KLAMATH COUNTY

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TRANSPORTATION SYSTEM PLAN

Submitted: June 2005

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Executive Summary

In accordance with the goals of the study, this Transportation System Plan (TSP) for Klamath County (County) addresses the provision of a safe, affordable, and accessible transportation system for all users. As such, the Plan includes an assessment of the existing transportation system; an evaluation of the impacts of growth on the transportation system; an identification of possible alternative improvements; an identification of improvement projects that are included in the preferred alternative; a transportation financing plan; transportation and land use policy recommendations that can assist the County in implementing the TSP; and a description of the Plan's compliance with the Transportation Planning Rule.

The identified transportation improvements are spread across a 20-year planning horizon; the TSP has determined that current transportation funding levels and resources are not adequate to meet the needs of the community. There are a number of potential funding resources that Klamath County may need to consider, including the state and local gasoline taxes, road user fees, traffic impact fees, revenue bonds, and developer fees. The complex task will be to match and combine federal, state, and local revenue programs to pay for needed capital improvements.

Klamath County will experience moderate growth over the next 20 years. The increasingly complex interaction of transportation and land use, and the need to find new and creative methods to fund public projects, will provide a challenge for policy-makers as they make public infrastructure investment decisions. This TSP is intended to guide transportation-related investment discussions in a coordinated and comprehensive manner and to provide local decision-makers with the standards to be met as transportation system improvements are implemented to meet the communities' overall vision.

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Chapter 1. Introduction

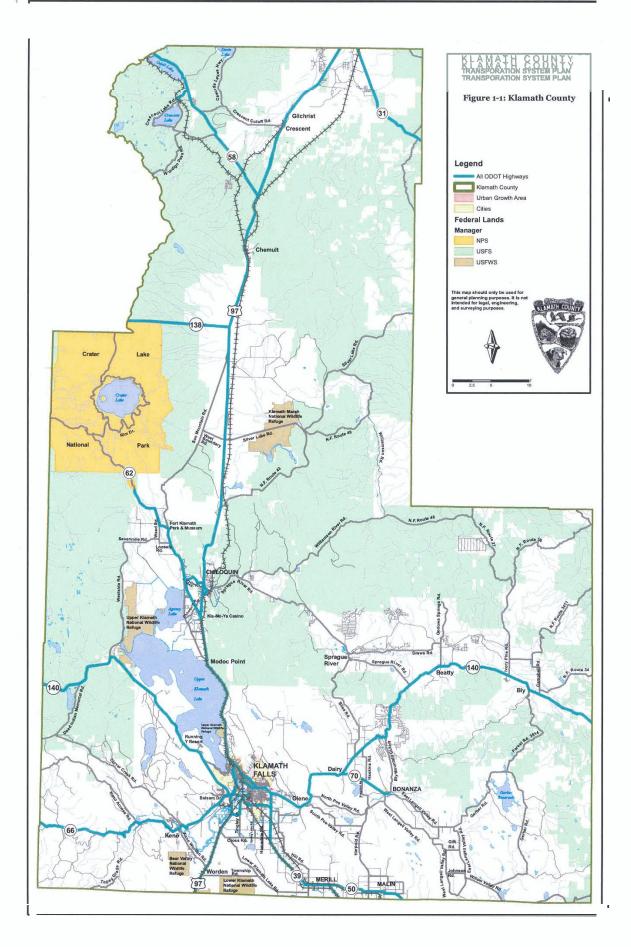
The Klamath County Transportation System Plan (TSP) will help to guide the development of existing transportation facilities and the funding of transportation facilities over the next 20 years. This TSP constitutes the Transportation Element of the County's Comprehensive Plan and satisfies the requirements of the Oregon Transportation Planning Rule (TPR) established by the Department of Land Conservation and Development (DLCD). This TSP identifies and prioritizes transportation projects for inclusion in the Oregon Department of Transportation's (ODOT's) Statewide Transportation Improvement Program (STIP) and the Klamath County Capital Facilities Plan.

PLANNING AREA

This 2005 Klamath County TSP includes plans for maintaining and upgrading the primary transportation modes in the county. The planning area for the Klamath County TSP is generally outside the Klamath Falls Urban Growth Boundary (UGB), and is shown on Figure 1-1. Transportation facilities included in this TSP fall under several jurisdictions, including the County, the State of Oregon, the United States Forest Service (USFS), the National Park Service (NPS), the National Wildlife Service (NWS), the Bureau of Land Management (BLM) and the Bureau of Reclamation (BOR).

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Klamath County is located in south-central Oregon; it is the fourth largest county in the state, encompassing 6,135 square miles in total area, with a population in 2004 of approximately 64,800.¹ Klamath Falls is the largest city in the county, with a population of 20,190; other incorporated communities include Bonanza, Chiloquin, Malin, and Merrill. The county is bordered by Deschutes County to the north; Lake County to the east; California to the south; and Jackson and Douglas Counties to the west.

The Klamath Basin supports substantial agricultural and ranching industries. The wood products industry, and manufacturing, service, and technology sectors have helped diversify the local economy. Tourism is an emerging industry in the county due to the region's natural beauty and the proximity of attractions such as Oregon's only national park, Crater Lake National Park, plus Lava Beds National Monument, three national wildlife refuges, and area resorts.

The primary routes through the county are US Highway 97 (The Dalles-California Highway #4) and Oregon Highway 140 (Lakes of the Woods Highway #270; Klamath Falls Lakeview Highway #20). US Highway 97 (US 97) runs north-south through the entire county; Oregon Highway 140 runs east-west connecting Klamath Falls to Medford (west) and Lakeview (east). Other highways in the county are described below:

Oregon Highway 39 (Klamath Falls- Malin Highway #50) generally runs north-south connecting Klamath Falls to Merrill and connecting to California. The Klamath Falls – Malin Highway connects from Highway 39 to the community of Malin.

Oregon Highway 138 (East Diamond Lake Highway #425) connects from the junction of Oregon Highway 62 and Oregon Highway 230 near Diamond Lake. The highway runs east-west along the north side of Crater Lake National Park and connects to US 97. Oregon Highway 62 (Crater Lake Highway #22) begins at the southeast border of Crater Lake National Park and connects to US 97.

Oregon Highway 70 (Dairy – Bonanza Highway #23) begins at the Dairy junction on OR 140 east of Klamath Falls and connects to Bonanza. Oregon Highway 66 (Green Springs Highway #21) runs east-west connecting Klamath Falls to I-5 near Ashland. Oregon Highway 58 (Willamette Highway #18) runs east-west connecting US 97 in northern Klamath County to I-5 near Eugene. The Chiloquin Highway runs east-west connecting OR 62 across US 97 to the community of Chiloquin.

Other transportation options in Klamath County include Basin Transit Service, Amtrak passenger rail service and commercial airline service at Klamath Falls International Airport.

PLANNING PROCESS

The Klamath County TSP establishes the county's direction in developing its transportation system for a 20-year horizon. The TSP evaluates existing and future needs, and identifies improvements to meet those needs. It is intended to serve as a master plan to guide transportation investments as development occurs in the county, to improve mobility throughout the county, and to balance transportation needs and improvements over the next 20 years. The TSP includes

¹ Portland State University Center for Population Research and Census.

the necessary Comprehensive Plan amendments and supporting ordinances to implement the TSP.

The Plan includes transportation issues related to the incorporated cities of Chiloquin, Bonanza, Merrill and Malin; the TSP also directs capital investments in rural communities including Beatty, Bly, Crescent, Gilchrist, Chemult, Dairy, Keno, and Sprague River. Overall, the TSP includes transportation issues related to state and county facilities, and not city facilities. However, this TSP attempts to identify projects that are beneficial to all agencies.

The Klamath County TSP satisfies the planning requirements of Oregon Statewide Planning Goal 12 and the Oregon Transportation Planning Rule (TPR). The TSP follows the ODOT *Transportation System Planning Guidelines*, including development of a balanced transportation system; the TSP process has consisted of four fundamental steps:

- 1. Analysis of existing conditions,
- 2. Assessment of future needs,
- 3. Creation of a draft TSP document and identification of code revisions, and
- 4. Finalization of the TSP.

During the development of the TSP, The Transportation Advisory Committee (TAC) guided the planning process through five (5) meetings. The Committee consisted of county staff, Basin Transit Service, elected and appointed county officials, residents, and members of Klamath County's business community. A series of public meetings also was conducted, which allowed citizens to provide input regarding the county's future transportation network. This feedback has proven invaluable in creating a TSP that will not only satisfy the State TPR requirements, but also meet the needs of the stakeholders it supports.

Chapter 2. Klamath County TSP Goals and Objectives

The TSP goals and objectives serve as the basis for the TSP needs analysis, policy and ordinance development, and project selection. These goals and objectives should reflect the transportation goals of the county and the overall transportation vision for the Klamath County community. The goals and objectives will maximize mobility, safety, efficiency and accessibility to the transportation system and will address the requirements of the Oregon Transportation Planning Rule (TPR) and the Oregon Transportation Plan (OTP) and the Oregon Highway Plan (OHP) as well other state modal plans such as Bike and Pedestrian, Rail, and Aviation. Figure 1-1 illustrates the relationship between the Klamath County vision and actions.

GOAL 1. OVERALL TRANSPORTATION SYSTEM

Provide a transportation system for the Klamath County planning area that is safe, efficient, economical, and accessible.

Objectives:

- A. Manage the transportation system for adequate and efficient operations consistent with community, land use, environmental, economic and livability goals.
- B. Enhance safety by prioritizing and mitigating high collision locations within the county.
- C. Ensure that adequate access for emergency services vehicles is provided throughout the county.
- D. Develop access management standards that will be consistent with county and state requirements to reduce conflicts among vehicles, trucks, bicycles, and pedestrians.
- E. Provide satisfactory levels of maintenance to the transportation system in order to preserve user safety, facility aesthetics, and the integrity of the system as a whole.
- F. Construct all new transportation facilities to meet the requirements of the Americans with Disabilities Act.

GOAL 2. LIVABILITY

Design and construct transportation facilities that enhance Klamath County's livability while meeting federal, state, regional, and local requirements.

Objectives:

- A. Enhance the livability of Klamath County through proper location and design of transportation facilities. Design roads, highways, and multi-use paths to be compatible with the existing and planned characteristics of the surrounding environment.
- B. Locate and design recreational and multi-use paths to balance the needs of human use and enjoyment with resource conservation.

GOAL 3. TRANSPORTATION AND LAND USE

Maximize the efficiency of Klamath County's transportation system through effective land use planning.

Objectives:

- A. Coordinate road and highway development so as to enhance overall county development.
- B. Revise development ordinances as needed to integrate transportation and land use to protect the long-term function of the transportation system.
- C. Ensure development is consistent with current and planned transportation infrastructure and provides proportionate mitigation of any adverse impacts.
- D. Require property access from facility with the lowest functional classification possible.

GOAL 4. ROAD SYSTEM

Provide a well-planned, comprehensive road system that serves the needs of Klamath County.

Objectives:

- A. Develop and maintain a road classification system to provide an optimal balance between mobility and accessibility for all transportation modes consistent with road function.
- B. Design new roads to safely and efficiently accommodate multiple travel modes within public rights-of-way.
- C. Balance the needed road function for all travel modes with adjacent land uses and stakeholders through context-sensitive design.
- D. Make needed safety improvements to existing state highways and county roads as part of the ongoing maintenance program.
- E. Provide for opportunities to implement rural Intelligent Transportation System (ITS) strategies.

GOAL 5. BALANCED TRANSPORTATION SYSTEM

Facilitate the development of a multi-modal transportation system in Klamath County to provide transportation options for Klamath County residents and visitors within the framework of context sensitive design.

Objectives:

- A. Implement Klamath County road standards that recognize the multi-purpose nature of the rightof-way for utility, pedestrian, bicycle, transit, truck, and auto use, and recognize roads as important to the community identity.
- B. Develop a safe, complete, attractive, efficient, and accessible system of pedestrian ways and bicycle routes. Provide connectivity in the county for convenient multi-modal access.
- C. In appropriate locations, consider grade-separated, multi-use paths and vehicle traffic ways to ensure maximum protection and convenience. Construct multi-use paths consistent with Klamath County comprehensive plans and design standards where they can be developed with satisfactory design components that address safety, security, and maintainability.

GOAL 6. TRANSPORTATION THAT SUPPORTS ECONOMIC DEVELOPMENT

Facilitate the provision of a multi-modal transport system for the efficient, safe, and competitive movement of goods and services to, from, and within Klamath County.

Objectives:

- A. Promote accessibility to transport modes that fulfill the needs of freight shippers.
- B. Designated arterial routes and expressways are essential for efficient movement of goods. Design these facilities and adjacent land uses to reflect the needs of goods movement.
- C. Coordinate proposed plans for truck routes with all related agencies and jurisdictions and strive to balance the needs of moving freight with community livability.
- D. Coordinate airport locations with the existing and future transportation system and land use. Encourage and support the operation, maintenance, and expansion of facilities and services provided at or near airports.
- E. Encourage a balanced system of transportation between air, rail, and land for efficient movement of goods and people.
- F. Promote the appropriate location of regional pipeline systems to enhance security, local service, and efficiency.
- G. Meet federal and state safety compliance standards for operation, construction, and maintenance of the rail system.
- H. Encourage efficient development and/or expansion of rail services to existing and future industrial land uses.
- I. Support and encourage tourism and recreational development through the transportation system by strategically upgrading transportations facilities.

GOAL 7. FUNDING TRANSPORTATION SYSTEM IMPROVEMENTS

Implement the transportation plan by working cooperatively with federal, state, regional, and local governments, the private sector, and residents. Create a stable, flexible financial system for funding transportation improvements.

Objectives:

- A. Encourage coordination and partnership between Klamath County and the Oregon Department of Transportation, along with other jurisdictions and agencies, to develop a long-range financial strategy to make needed improvements to the county transportation system and support operational and maintenance requirements.
- B. Coordinate transportation projects, policy issues, and development actions with all affected governmental units in the area. Key agencies for coordination include Oregon Department of Transportation and other jurisdictions and transportation agencies within the county.
- C. Participate in regional transportation, growth management, and air and water quality improvement policies. Work with agencies to assure adequate funding of transportation facilities to support these policies.
- D. Maintain a current capital improvement program that establishes Klamath County's construction and improvement priorities, and allocates the appropriate level of funding.
- E. Establish rights-of-way that meet county or state standards, whichever are applicable, at the time of land division or site development and, where appropriate, officially secure them by dedication of property.

F. Establish and provide adequate funding for maintenance of the capital investment in transportation facilities.

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G. Development to pay proportionate share to mitigate its impacts to the transportation system.

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From Vision to Action Klamath County Transportation System Plan

Klamath County





Klamath County Transportation System Plan Chapter 2 – TSP Goals and Objectives .

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Chapter 3. Review of Existing Transportation Facilities

INTRODUCTION

As part of the planning process, an inventory of the existing transportation system in Klamath County was compiled. The inventory data came from a variety of sources, and includes data collected in the field to develop this TSP.

A comprehensive roadway inventory was conducted for all major roadways within Klamath County. This detailed inventory is included in the appendix, and includes information about each inventoried road segment. Separate appendices list all of the relevant roadways in the county; this additional listing provides pavement types (paved, gravel, or unimproved), and the overall length of the road. In addition, information was compiled about the freight system (trucks and rail), county and state bridges, air transportation, bicycle and pedestrian facilities, public transit, pipelines, and fiber optic facilities.

JURISDICTION AND ROADWAY DESCRIPTION

Roadways included in this TSP fall under several jurisdictions, as previously listed. Table 3-1 shows roadways that are under the jurisdiction of ODOT and their functional classification:

| Route Name | State Highway Cross Reference # | ODOT Functional Classification |
|------------------------------|------------------------------------|---------------------------------------|
| OR 422 Chiloquin Highway | 422 | District Highway |
| OR 429 Crescent Lake | 429 | District Highway |
| OR 31 Fremont | 19 | Regional Highway |
| OR 39 Klamath Falls-Lakeview | 20 | Statewide Highway |
| OR 39 Klamath Falls-Malin | 50 | District Highway |
| OR 58 Willamette | 18 | Statewide Highway, Expressway |
| OR 62 Crater Lake | 22 | District Highway |
| OR 66 Green Springs | 21 | District Highway |
| OR 70 Dairy-Bonanza | 23 | District Highway |
| OR 138 North Umpqua | 138 | Regional Highway |
| OR 140 South Klamath Falls | 424 | Statewide Highway |
| US Highway 97 | 4 | Statewide Highway, Expressway |

Table 3-1: ODOT Highways in Klamath County

Figure 3-1 lists ODOT highways in Klamath County; following are descriptions of these highway classifications from the Oregon Highway Plan:

Statewide Highways (NHS) typically provide inter-urban and inter-regional mobility and provide connections to larger urban areas, ports, and major recreation areas that are not directly served by Interstate Highways. A secondary function is to provide connections for intra-urban and intra-regional trips. The management objective is to provide safe and efficient, high-speed, continuous-flow operation. In constrained and urban areas, interruptions to flow should be minimal. Inside Special Transportation Areas (STAs), local access may also be a priority.

Regional Highways typically provide connections and links to regional centers, Statewide or Interstate Highways, or economic or activity centers of regional significance. The management objective is to provide safe and efficient, high-speed, continuous-flow operation in rural areas and moderate to high-speed operations in urban and urbanizing areas. A secondary function is to serve land uses in the vicinity of these highways. Inside STAs, local access is also a priority. Inside Urban Business Areas, mobility is balanced with local access.

District Highways are facilities of countywide significance and function largely as county and city arterials or collectors. They provide connections and links between small urbanized areas, rural centers and urban hubs, and also serve local access and traffic. The management objective is to provide for safe and efficient, moderate to high-speed continuous-flow operation in rural areas reflecting the surrounding environment and moderate to low-speed operation in urban and urbanizing areas for traffic flow and for pedestrian and bicycle movements. Inside STAs, local access is a priority. Inside Urban Business Areas, mobility is balanced with local access.

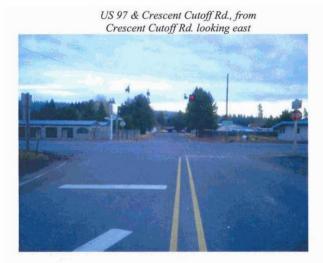
Expressways primary function is to provide for interurban travel and connections to ports and major recreation areas with minimal or no delays. A secondary function is to provide for long-distance and intra-urban travel in metropolitan areas.

OVERVIEW OF STATE HIGHWAYS

State highways often function as major arterial streets forming the primary roadway network within and through a region. They provide a continuous road system that distributes traffic between cities. In Klamath County, the state highways/major arterial streets often serve statewide, regional, and local traffic demands combined. Although Klamath County has no direct control over the state highways, the highways heavily influence adjacent land use and traffic patterns across the county. Therefore, any recommended improvements in this TSP should be implemented with the cooperation of both state and county agencies.

Following are a series of photos that document and describe the existing conditions of state highways in Klamath County:

US Highway 97 (The Dalles-California Highway #4) runs north-south through the entire county and is classified by ODOT as a Statewide Highway and Expressway. The roadway width varies from one to two lanes in each direction, and posted speeds range from 40 mph to 55 mph. Cities that are served by US 97 include, Gilchrist, Crescent, Chemult, Chiloquin, Klamath Falls, and Worden. US 97 is a designated State Freight Route.



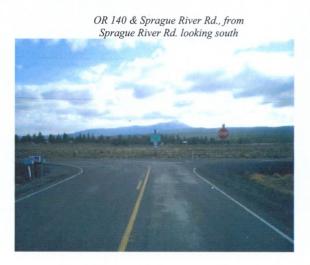
US 97 & Silver Lake Rd., from Silver Lake Rd. looking west



US 97 & Keno Worden Rd., from



Oregon Highway 140 runs east-west through the county and connects Klamath Falls to Medford (as the Lake of the Woods Highway #270) and Lakeview (as the Klamath Falls Lakeview Highway #20). ODOT has generally classified OR 140 as a Statewide Highway, although some sections are classified as District Highway (Milepost -0.14 to 0.19) and Regional Highway (Milepost 0.95 to 3.38). OR 140 generally has one lane in each direction and posted speeds range from 35 mph to 55 mph. Cities served by OR 140 include Klamath Falls, Olene, Dairy, Beatty, and Bly.

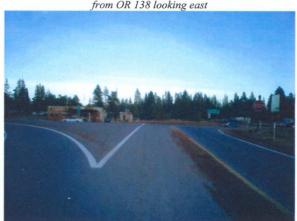




Oregon Highway 39 (the Klamath Falls-Malin Highway #50) runs southeast out of Klamath Falls through Merrill, and then continues as the Hatfield Highway south to California. ODOT has classified this road as a Statewide Highway. OR 39 generally has one lane in each direction, and posted speeds range from 30 to 55 mph.

The Klamath Falls–Malin Highway continues east where it connects to the community of Malin and California. After Milepost 16.51, OR 50 is classified as a District Highway by ODOT. The highway generally has one lane in each direction, and posted speeds range from 20 to 55 mph.

Oregon Highway 138 (East Diamond Lake Highway #425) travels west from US 97 along the north side of Crater Lake National Park to the junction of Oregon Highway 230 near Diamond Lake. It does not directly serve any large or small cities; its primary function is to provide recreation access. ODOT has classified OR 138 as a Regional Highway. OR 138 has one lane in each direction and the posted speed limit is 55 mph.



US 97 & OR 138 (Diamond Lake Junction), from OR 138 looking east

Oregon Highway 62 (Crater Lake Highway #22) is classified by ODOT as a District Highway and begins at the southeast border of Crater Lake National Park and connects to US 97 south of Chiloquin. Chiloquin Highway 422 runs east-west connecting OR 62 across US 97 directly to Chiloquin. OR 62 has one lane in each direction, and posted speeds range from 30 to 55 mph.

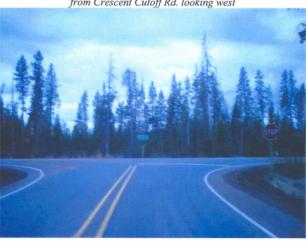
Oregon Highway 70 (Dairy–Bonanza Highway #23) begins at the Dairy junction on OR 140 east of Klamath Falls and connects to Bonanza. OR 70 has one lane in each direction, and posted speeds range from 25 to 55 mph.

Oregon Highway 66 (Green Springs Highway #21) runs east-west connecting Klamath Falls to I-5 near Ashland and serves the city of Keno. OR 66 is classified by ODOT as a District Highway, has one lane in each direction, and posted speeds range from 35 to 55 mph.



OR 66 & Keno Worden Rd., from Keno Worden Rd. looking north

Oregon Highway 58 (Willamette Highway #18) is classified by ODOT as a Statewide Highway and Expressway and runs east-west connecting US 97 in northern Klamath County to I-5 near Eugene. OR 58 does not directly serve any cities or towns in Klamath County and is primarily to provide recreational access. This route is also widely known to truckers and is used to some degree as a freight route to the mid-Willamette Valley. OR 58 is a designated State Freight Route.



OR 58 & Crescent Cutoff Rd., from Crescent Cutoff Rd. looking west

Klamath County Transportation System Plan Chapter 3 – Existing Transportation Facilities

OVERVIEW OF MAJOR COUNTY ROADS

County-owned roads traverse all of Klamath County; a complete listing is included in the appendix. Klamath County developed a road classification scheme; following is a description of some of the more heavily used roads in the county and its functional classification per the county.

Crescent Cutoff Road (Rural Principal)connects US 97 to the City of Crescent and OR 58 in the vicinity of Crescent Lake, and provides access to Davis Lake and other attractions in the Deschutes National Forest via the Cascade Lakes Highway. The road has one lane in each direction and posted speeds range from 45 to 55 mph. In keeping with the rural nature of the county, the road has no curbs, sidewalks, or parking. Traffic controls consist of stop signs.

Silver Lake Road (Rural Principal) runs northeast from US 97 and provides access to the Klamath Marsh National Wildlife Refuge, recreational sites in the Winema and Fremont National Forests, and Silver Lake in Lake County. The road has one lane in each direction and has no speed limit signs. The road has no curbs, sidewalks, or parking, and all traffic controls consist of stop signs.

Westside Road (Rural Principal) connects OR 140 to OR 62 and Crater Lake National Park via Sevenmile, Weed, and Loosely Roads. This road also provides direct access to the Upper Klamath National Wildlife Refuge. Approximately 20 percent of the total traffic on Westside Road is oversized truck traffic due to restrictions on OR 140 near Upper Klamath Lake; the road has one lane in each direction. The road currently has no curbs, sidewalks, or parking; bicycle travel is possible along the road shoulders. All traffic controls consist of stop signs.

Sprague River Road (Rural Principal) runs southeast from US 97 at the City of Chiloquin and provides access to the City of Sprague River and other residential developments, and also recreational sites near the Sprague River. The road has one lane in each direction and posted speeds range from 30 to 55 mph. The road has no curbs, sidewalks, or parking, and traffic controls are stop signs.

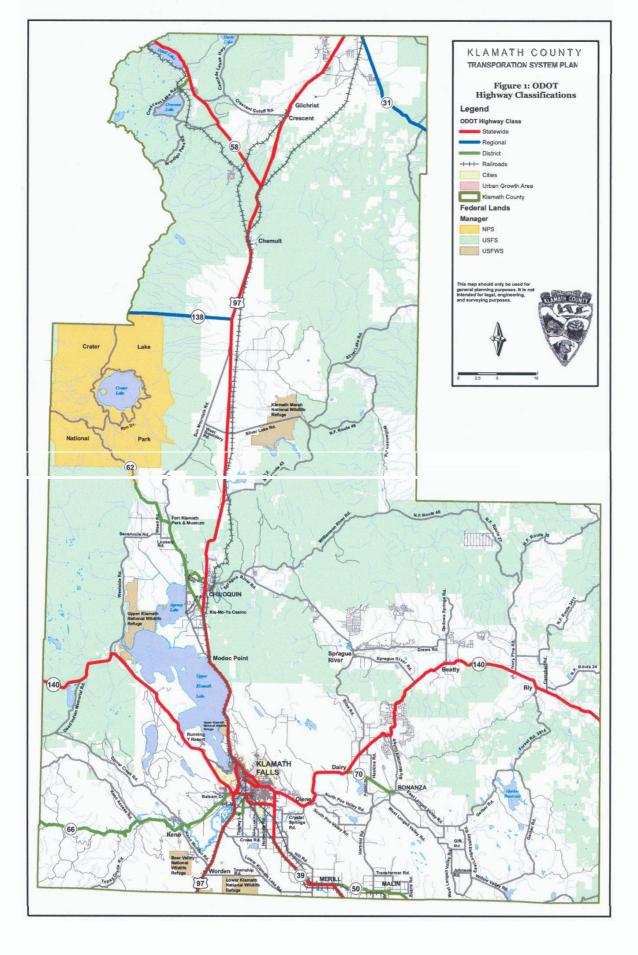
Bly Mountain Cutoff Road (Rural Principal) runs north from the City of Bonanza to OR 140 and a large percentage of vehicles using this road are trucks (approximately 70 percent). The road has one lane in each direction and has no speed limit signs. The road has no curbs, sidewalks, or parking, and traffic controls are stop signs.

Cross Road (Rural Principal) is an east-west road connecting US 97 and OR 39 south of the City of Klamath Falls. The road has one lane in each direction and has no speed limit signs. The road has no curbs, sidewalks, or parking, and traffic controls are stop signs.

Spring Lake Road (Rural Major) runs north from Cross Road to provide access to Klamath Falls Airport (Kingsley Field). The road has no curbs, sidewalks, or parking, and traffic controls consist of stop signs.

Keno Worden Road (Rural Principal) connects US 97 (at Worden) and OR 66 (at Keno) southwest of the City of Klamath Falls and provides access to the Bear Valley National Wildlife Refuge. The road has one lane in each direction and a posted speed limit of 35 mph. The road has no curbs, sidewalks, or parking, and all traffic controls consist of stop signs.

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Klamath County Transportation System Plan Chapter 3 – Existing Transportation Facilities .

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Bicycle and Multi-Use Facilities

The field inventory in the appendix shows that most bicycle facilities in the county are essentially located in the shoulders of state highways (e.g., along US 97, Oregon Highway 58). However, not all state highways have shoulders, (e.g., sections of Oregon Highway 62, much of Oregon Highway 140) and thus bicyclists and vehicular traffic must often travel in the same lanes.

Following are examples of dedicated bicycle facilities in the county:

- The State Park Trail is a paved "Rails to Trails" corridor extending east from Klamath Falls to Olene, utilizing the old OCE Railroad right-of-way. From Olene, a separate path parallels Oregon Highway 140 east to Bly.
- Crescent Cutoff Road includes a one-mile paved bike path just west of the City of Crescent, which is separated from the roadway, but within the right-of-way.
- Nearby, a separate off-road bike path runs parallel to US 97 in the right-of-way and connects the City of Crescent and the City of Gilchrist.

Pedestrian Facilities

Among the inventoried road segments, sidewalks were present only along Oregon Highway 39 in Merrill from the city limits east to west. Sidewalks along the local street system are all within official city boundaries and are not the jurisdiction of the county. Due to the rural nature of the county and the large distances between trip generators, there is little demand for pedestrian facilities outside of the incorporated cities.

Transit Services

Basin Transit Services (BTS), with service inside the Klamath Falls Urban Growth Boundary (UGB), operates six regular fixed-routes. None of these routes, however, extend beyond the city's UGB, and BTS has no plans to extend regular service outside of the city. Service generally operates from 6 AM to 7 PM, and cash fares range from \$0.50 (seniors and disabled) to \$1.00. BTS also operates a curb-to-curb Dial-A-Ride service for customers who are older than 60 or have a disability and are unable to use the fixed route buses.

Dial-A-Ride vans are also used to transport riders to and from selected areas outside of the transit district (i.e., outside of the UGB). Designated "Extended Service Areas" include:

- Henley, Wocus
- Klamath Falls Airport
- Columbia Plywood
- Aqua Glass
- International Paper
- Green Acres

Requests for this service must be made during regular office business hours of Monday through Friday from 8 AM to 5 PM, and rides are usually provided within 30-60 minutes. Reserved rides may be scheduled up to five days in advance, and the cost of the service is \$1.50.

Klamath Basin Senior Citizens Council (KBSCC), also based in Klamath Falls, operates special needs service for seniors, with fees varying by service type. Like BTS, this service operates entirely within Klamath Falls and there are no plans to expand the service.

Klamath Tribes (KT), based in Chiloquin, provides limited free transit for medical purposes. Service is available to both Tribal member and the general public, and transport must be scheduled in advance. Two routes are typically run:

- 1. Chiloquin to Klamath Falls
- 2. Chiloquin to Sprague River to Klamath Falls

Klamath Tribes also makes occasional trips to Portland for medical purposes.

<u>Rail System</u>

Freight Rail

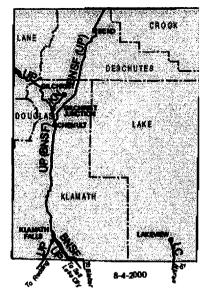
Klamath County's railroad activity consists mainly of the Union Pacific's Cascade main line to California and the Burlington Northern Santa Fe's Oregon Trunk line. When it purchased the Southern Pacific, the UP acquired trackway rights over the BNSF between Bend and Chemult. In return, BNSF acquired the former UP line between Bieber and Keddie, California. This has resulted in both the UP and the BNSF having parallel main lines between Oregon and California. The UP also owns the Modoc line which runs southeast from Klamath Falls to a connection with its California-to-Odgen mainline at Flanigan, Nevada. In 1999, UP's Cascade main line carried about 28 million gross tons on its line north of Klamath Falls and into California. The BNSF moved about 6.5 million gross tons over the line between Bend and Klamath Falls².

The Klamath Northern Railroad is a short line that runs between Gilchrist and Gilchrist Junction on the UP's Cascade main line. This line is owned by Crown Pacific Industries and is primarily to move wood products from the company facility to Gilchrist.

The UP and BNSF operate parallel tracks south of Klamath Falls. Some county stakeholders have suggested that both tracks may not be needed, and that combining the tracks could eliminate several crossings. The at-grade crossing on the South Side Expressway near Sumners Lane is particularly problematic and can cause significant back-ups on the expressway.

² ODOT Oregon Rail Plan. 2001.

Figure 3-2. Freight Rail Operators



Source: ODOT Oregon Rail Plan. 2001

Passenger Rail

Amtrak's Eugene-bound *Coast Starlight* passenger train departs in the mornings, and operates over the Union Pacific with stops at Klamath Falls and Chemult, the California-bound *Coast Starlight* departs in the evenings.

Air Transportation System

Klamath County has four public airports, shown on Figure 3-3. The Klamath Falls Airport (Kingsley Field) is the county's primary airport, located just south of the Klamath Falls metropolitan area. The Airport offers commercial air service (7 percent of operations), general aviation services (56 percent), air taxi services (7 percent), and also is home to the Oregon Air National Guard 173rd Fighter Wing (30 percent). The airport is served by Horizon Air, which provides three daily flights to and from Portland, and currently serves about 30,000 annual passengers³. Land uses adjacent to the airport include:

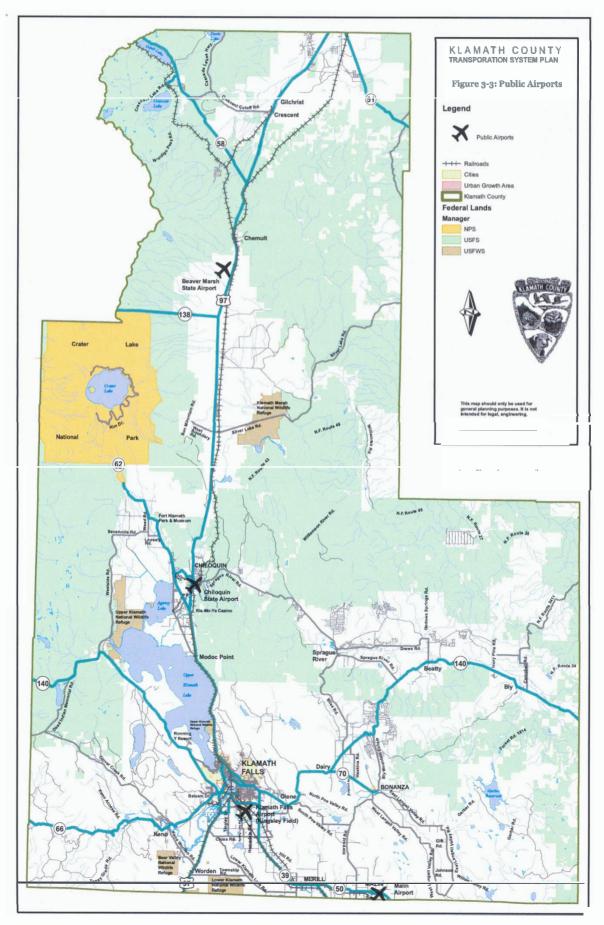
- An industrial park developed by Klamath Economic Development group
- A new Business Park adjacent to the airfield, developed by the airport on airport property
- Agricultural lands
- Minor residential development

Klamath County also has three smaller airports:

 <u>Chiloquin State Airport</u> (Category 4 - Community General Aviation Airport) is about 25 miles north of Klamath Falls and is mainly used by small planes. Adjacent lands consist primarily of National Forest. No airport improvements are planned in the near future.

³ http://www.airnav.com/airport/

- <u>Malin Airport</u> (Category 5 Low Activity General Aviation Airport) is about 18 miles southeast of Klamath Falls and is mainly used by small, privately-owned planes. Adjacent lands are used primarily for farming and agriculture. Part of the airport is leased by the Yankee Air Pirates to fly model airplanes. The airport is currently seeking grants to upgrade the runway.
- <u>Beaver Marsh State Airport</u> (Category 5) is a small landing strip about 60 miles north of Klamath Falls.



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Pipelines and Fiber Optic Facilities

Two primary natural gas pipelines traverse Klamath County. One line runs north-south from the California border to the Oregon-Washington border near Umatilla. This line was recently acquired by TransCanada Pipeline from Gas Transmission Northwest. An east-west lateral line extends from the vicinity of Klamath Falls to Medford; this line is owned by Gas Transmission Northwest. These lines have not been mapped at the request of the pipeline owners due to homeland security issues.

Avista Utilities is the natural gas provider in the county. The company operates a secondary pipeline distribution system in the county, and maintains numerous lines that branch off the mainline to provide gas to residences and businesses.

Both Bel-Tec and Qwest have fiber optic lines in Klamath County. Bel-Tec has two lines that are entirely within the City of Klamath Falls; one hub is located at 403 Pine St, and the other hub is located at the Sheriff's Office on Vandenberg Rd. These fiber-optic lines have not been mapped at the request of the owners due to homeland security issues.

Regional Activity Centers

Regional attractions in Klamath County include its cities, where shopping and employment opportunities are located. Other attractions in the county are driven by its growing tourism industry; some of these attractions are listed below:

- Crater Lake National Park
- Upper Klamath Lake
- Train Mountain Railroad Museum
- National Wildlife Refuges
- Klamath County Museum
- Klamath County Fairgrounds
- Ross Ragland Theatre
- The Running Y Resort
- Fort Klamath Museum & Park
- Collier Memorial State Park
- Kla-Mo-Ya Casino

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Klamath County Transportation System Plan Chapter 3 – Existing Transportation Facilities

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Chapter 4. Current Transportation Conditions

INTRODUCTION

This chapter describes the current transportation conditions and identified deficiencies within Klamath County. *Deficiencies* represent the difference between an existing or future transportation system characteristic and adopted standards for that characteristic. *Needs* represent the types of measures required to mitigate the deficiencies⁴. Detailed improvement projects that will be identified as deficiencies are more clearly defined and transportation system alternatives are developed.

This chapter includes the following topics:

- Existing Traffic Conditions
- Roadway System Needs and Deficiencies
- Bridges
- Public Transportation
- Bicycle Network
- Pedestrian Network
- Freight Facilities

EXISTING TRAFFIC CONDITIONS

Roadway Conditions

Listed in Table 4-1 are ODOT highway segments deemed to be in poor condition in 2003, based on the IRIS Pavement Management System. Pavement ratings for other road segments are included in the appendix. During the field inventory, no major paved roads maintained by the county were deemed to be in poor or very poor condition. ODOT's definitions for poor and very poor are:

Poor – Asphalt pavements in this category are marked by areas of instability, structural deficiency, large crack patterns (alligatoring), and numerous patches, and visible deformation. Ride quality ranges from acceptable to poor. Concrete pavements in this category may continue to provide acceptable ride quality. Both jointed and continually reinforced pavements display cracking patterns with longitudinal cracks connecting joints and transverse cracks occurring more frequently. Occasional pothole repair is evident, and some joints and cracks show a loss of base support.

Very Poor – Asphalt pavements in this category are in extremely deteriorated condition marked by numerous areas of instability and structural deficiency. Ride quality is unacceptable. Concrete pavements in this category display a rate of deterioration that is rapidly accelerating.

⁴ ODOT Transportation System Planning Guidelines. May, 2001.

| OR Shield | Section Name | Beg | End MP | Length | 2003 Overali Index | 2003 Rut Index | 2003 Fatigue Index | 2003 Patch Index | 2003 NoLoad Index | 2003 Ravelling Index | 2003 Condition |
|--------------|----------------------------------|-------|-----------|--------|--------------------------|----------------------|--------------------------|------------------------|-------------------------|----------------------------|-------------------|
| | MP 183 - Crescent Ranger Station | | 185.60 | | 36.20 | 92.10 | 67.30 | 56.10 | 91.10 | 99.90 | PR |
| | Jct. Hwy 004 - Lake County Line | 0.00 | 19.29 | 19.29 | 31.00 | 92.10 | 07.30 | 56.10 | 91.10 | 99.90 | PR |
| | Ritter Rd Sprague River Rd. | 25.17 | 35.90 | 10.73 | 24.70 | 87.70 | 44.90 | 81.40 | 64.80 | 100.00 | PR |
| | Sprague River Rd Scyan Marsh Rd. | 35.90 | 42.20 | 6.30 | 45.00 | 75.80 | 68.40 | 97.60 | 76.70 | 100.00 | PR |
| OR 66 | Weyerhaeuser Rd Jct. Hwy 270 | 56.72 | 58.86 | 2.14 | 41.50 | | | | | | PR |
| OR 66 | Jct. Hwy 270 - Jct. Hwy 004 | 58.86 | 59.05 | 0.19 | 31.30 | 95.00 | 44.90 | 86.50 | 79.50 | 100.00 | PR |
| OR 66 | Jct. Hwy 270 - Jct. Hwy 004 | 58.99 | 59.29 | 0.30 | 41.90 | 96.70 | 59.40 | 100.00 | 72.40 | 100.00 | PR |
| OR 62 | Jct. Hwy 422 - Jct. Hwy 004 | 98.55 | 103.95 | 5.40 | 27.50 | | | | | | PR |
| OR 39 | MP 7.0 - Merrill Pit Rd. | 7.00 | 11.60 | 4.60 | 43.90 | 97.10 | 97.90 | 45.10 | 99.60 | 100.00 | PR |
| OR 140 | Hanley Ranch - Fish Lake Rd. | 16.04 | 25.92 | 9.88 | 36.40 | 89.50 | 48.00 | 79.50 | 97.30 | 100.00 | PR |
| OR 140 | Laverne Ave Joe Wright Rd. | 1.33 | 3.75 | 2.42 | 38.00 | | | | | | PR |
| OR 140 | Joe Wright Rd Jct. Hwy 004 | 3.75 | 5.65 | 1.90 | 38.00 | | | | | | PR |
| OR 140 | Modoc Point Rd Jct. Hwy 004 | 0.00 | 5.29 | 5.29 | 45.00 | | | | | | PR |
| OR 140 | Chiloquin Spur | 4.39 | 4.58 | 0.19 | 31.00 | | | | | | PR |
| | Jct. Hwy 18 - Crescent Lake | 0.00 | 2.39 | 2.39 | 20.50 | | | | | | PR |
| OR 39 | N. Polk St SCL Merrill | 13.73 | 14.50 | 0.77 | 43.80 | 95.00 | 59.00 | 82.20 | 88.00 | 100.00 | PR |
| | | | i | 74.39 | | ĺ | | | | | |

Table 4-1: ODOT Roads in Poor Condition

Note: In 2003, no roads were assessed to be in very poor condition. Source: IRIS Pavement Management System

Table 4-1 shows that about 74 centerline miles of state highways are in poor condition in Klamath County; the longest segment (19 centerline miles) is along OR 31, which crosses the northeast corner of the county but does not provide direct access to any significant destinations. About 17 miles of OR 140 (the Klamath Falls-Lakeview Highway) are in poor condition, as are eight miles of OR 66 (The Green Springs Highway). There are a total of 394 centerline miles on the state highway system in Klamath County, according to the 2003 Oregon Mileage Report.

Traffic Volumes

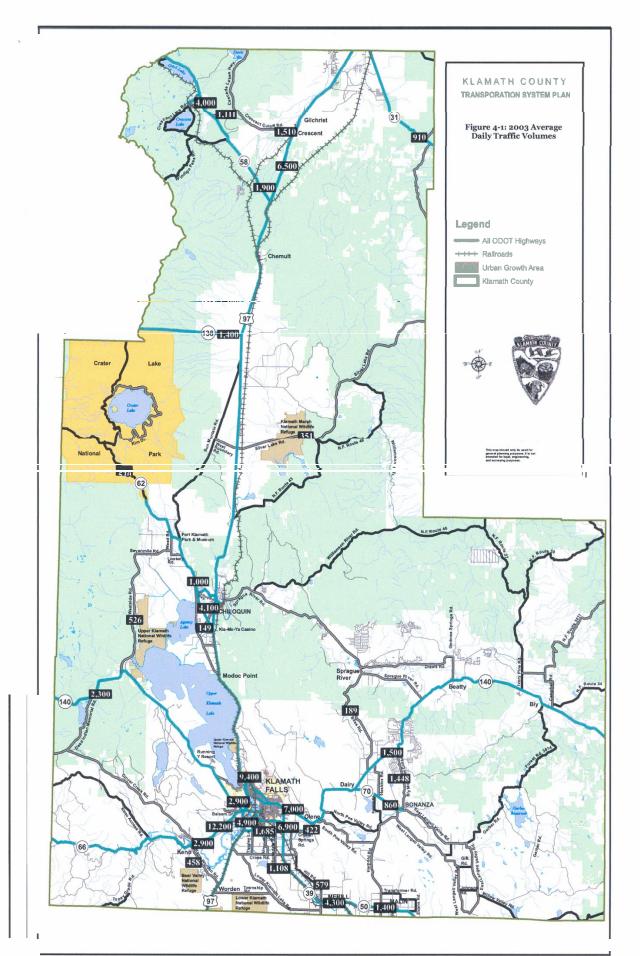
This section describes the traffic counts conducted in Klamath County for use in the roadway volume/capacity section analysis. Table 4-2 provides 2003 AADT volumes on state highways, which were collected for ODOT's regular counting program, and shows the percentage of trucks on each roadway as well.

| Road Name | Count Location | Count Date | Direction | One-Way Volume (AADT) | Two-Way Volume (AADT) | Pct. Trucks* |
|--------------------------|--|------------|-----------|-----------------------------|-----------------------------|-----------------|
| Westside Rd. | S. of Rocky Point Rd. | 8/02 | N.bound | 266 | 526 | 20% |
| Westside Rd. | S. of Rocky Point Rd. | 8/02 | S.bound | 260 | 1 1 | 20% |
| Spring Lake Rd. | S. of K Falls | 6/04 | N.bound | 811 | 1685 | 2% |
| Spring Lake Rd. | S. of K Falls | 6/04 | S.bound | 874 | 1 1 | 1% |
| Sprague River Rd. | ChilSprag. Riv.Rd Br. #4 | 6/02 | W.bound | 502 | NA | 12% |
| Short Rd. | Klamath Falls | 5/03 | W.bound | 1066 | 2102 | 4% |
| Short Rd. | Klamath Falls | 5/03 | E.bound | 1036 | 1 [| 4% |
| Reeder Rd. | K Falls, S. of 140 | 11/01 | N.bound | 179 | 358 | 1% |
| Reeder Rd. | K Falls, S. of 140 | 11/01 | S.bound | 179 | 1 1 | 2% |
| Pine Grove Rd. | K Falls, W. of Schooler Ct. | 10/03 | E.bound | 241 | 458 | 3% |
| Pine Grove Rd. | K Falls, W. of Schooler Ct. | 10/03 | W.bound | 217 | 1 | 2% |
| Keno Worden Rd. | K Falls, E. Overland | 8/02 | W.bound | 227 | 458 | 7% |
| Keno Worden Rd. | K Falls, E. Overland | 8/02 | E.bound | 231 |] [| 19% |
| Homedale Rd. | K Falls, S of Airway Dr. | 9/04 | N.bound | 521 | 1108 | 1% |
| Homedale Rd. | K Falls, S of Airway Dr. | 9/04 | S.bound | 587 |] [| 2% |
| Hill Rd. | N. of Merrill | 11/02 | S.bound | 269 | 579 | 6% |
| Hill Rd. | N. of Merrill | 11/02 | N.bound | 310 | | 4% |
| Crystal Springs Rd. | K Falls, W. of bridge | 9/01 | E.bound | 211 | 422 | 1% |
| Crystal Springs Rd. | K Falls, W. of bridge | 9/01 | W.bound | 211 | | 1% |
| Chiloquin Ridge Rd. | Chiloquin | 8/04 | N.bound | 74 | 149 | 5% |
| Chiloquin Ridge Rd. | Chiloquin | 8/04 | S.bound | 75 | | 9% |
| Bly Mnt. Cutoff | Bonanza, S. of Teal Dr. | 6/03 | N.bound | 1269 | 1448 | 73% |
| Bly Mnt. Cutoff | Bonanza, S. of Teal Dr. | 6/03 | S.bound | 179 | 1 1 | 8% |
| *Includes small trucks 1 | arge trucks, buses, and tractor traile | | | | | |

 Table 4-2: Klamath County Traffic Counts

Table source: Traffic counts received from Klamath County, October 14, 2004. Traffic counts conducted by Klamath County using Nu-Metrics traffic analyzers (HI-STAR units).

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Table 4-3 and Table 4-4 below provide additional traffic counts on various primary roads within Klamath County and their associated two-way volumes. Table 4-3 shows two-way traffic volumes on the local road system, with an estimate for Vale Road at about 600 vehicles per day; and Crescent Cutoff Road, with 1,500 vehicles per day (count in 1993).

| Street Name | Count Location | Date | Two-Way Volume (AADT) |
|--------------------------|------------------------|------|--------------------------|
| Crescent Cutoff Rd | 1/2 mile west of OR 58 | 1992 | 1,111 |
| Crescent Cutoff Rd | 1/2 mile west of US 97 | 1993 | 1,510 |
| Silver Lake Rd | N/A | 1995 | 351 |
| Squaw Flat Rd (Bliss Rd) | N/A | 1995 | 189 |
| Vale Rd* | N/A | 2004 | 600 |

| Table 4-3: | Additional | Klamath | County | Traffic | Counts |
|------------|------------|---------|--------|---------|--------|
|------------|------------|---------|--------|---------|--------|

* Estimated

Table source: Traffic counts received from Klamath County, November 30, 2004.

(It should be noted here for clarity that ODOT and Klamath County entered into a jurisdictional transfer whereby Crescent Cutoff will become a state highway, and Dairy-Bonanza Highway #23 will become a county road).

| | | | Two-way |
|--------|---------------------------------------|--------|---------|
| Road | | | Volume |
| Name | Count Location | MP | (AADT) |
| OR 31 | Klamath/Lake County Line | 18.28 | 910 |
| US 97 | Crescent Post Office | 185.57 | 6,500 |
| US 97 | 0.10 mile north of Chiloquin Hwy | 248.99 | 4,100 |
| US 97 | 0.30 mile north of OR 39/US 97 Bus. | 272.31 | 9,400 |
| US 97 | On Klamath River Bridge | 278.69 | 4,900 |
| OR 58 | 0.01 mile south of Crescent Lake Rd. | 69.42 | 4,000 |
| OR 58 | 0.45 mile northwest of US 97 | 86 | 1,900 |
| OR 138 | 0.10 mile west of US 97 | 100.72 | 1,400 |
| OR 62 | west boundary of Crate Lake NP | 65.45 | 530 |
| OR 62 | Chiloquin west city limit | 4.15 | 1,000 |
| OR 140 | 0.01 west of Dead Indian Rd. | 37.69 | 2,300 |
| OR 140 | 0.01 mile west of OR 39 | 3.27 | 24,000 |
| OR 140 | 0.06 mile east of OR 39 | 5.66 | 7,000 |
| OR 140 | 0.01 mile west of Bly Mountain Cutoff | 27.4 | 1,500 |
| OR 66 | 0.01 mile east of Keno-Worden Rd. | 49.92 | 2,900 |
| OR 66 | 0.01 mile west of US 97 | 59:04 | 12,200 |
| OR 39 | 0.01 mile south of OR 140 | 1.79 | 6,900 |
| OR 39 | Merrill east city limit | 14.49 | 4,300 |
| OR 50 | Malin west city limit | 23.82 | 1,400 |
| OR 70 | Bonanza west city limit | 5.94 | 860 |

Table 4-4: 2003 AADT on State Highways

Table source: ODOT 2003 Traffic Volume Tables

(Regarding the AADT of 24,000 on OR 140, while this volume is accurate, this needs to be clarified as this is for a portion of OR 140 that runs along S Sixth Street and not within county's jurisdiction. The total is a cumulative count for Lake-of-the-Woods Hwy #270, S Klamath Falls Hwy #424, and Klamath Falls-Lakeview Hwy #20, which all carry the OR 140 shield).

Highlighted in Table 4-4 are state facilities with the highest two-way volumes, including sections of US 97, OR 140 and OR 66 within the Klamath Falls UGB.

With regard to Level of Service (LOS) the 1999 Oregon Highway Plan (OHP) uses a volume-tocapacity ratio (V/C). V/C is the ratio of peak hour traffic volume to the maximum hourly volume of vehicles that a particular roadway section can accommodate (see Table 4-5). When the V/C exceeds 1.0, vehicle demand exceeds the capacity of the facility.

The OHP states that the maximum acceptable V/C ratio for Regional Highways outside the Portland metro area, and not identified as a Special Transportation Area (STA), is 0.80, where non-freeway speed limit is less than 45 mph; and is 0.75 when non-freeway speed limit is greater than 45 mph. For district/local roads, the acceptable ratio is 0.85 where non-freeway speed limit is less than 45 mph, and is 0.80 when non-freeway speed limit is greater than 45 mph.

| Highway Category | Land Use Type/Speed Limits | | | | | | | |
|---|----------------------------|--------|---|--|-------------------------------|-------------|--|--|
| | | Inside | Outside Urban Growth Boundary | | | | | |
| | STAs | мро | Non-MPO outside of STAs where non-freeway speed limit <45 mph | Non-MPO where non- freeway speed limit >= 45 mph | Unincorporated Communities | Rural Lands | | |
| Interstate Highways and Statewide (NHS) Expressways | N/A | 0.80 | 0.70 | 0.70 | 0.70 | 0.70 | | |
| Statewide (NHS) Freight Routes | 0.85 | 0.80 | 0.75 | 0.70 | 0.70 | 0.70 | | |
| Statewide (NHS) Non-Freight Routes and Regional or District Expressways | 0.90 | 0.85 | 0.80 | 0.75 | 0.75 | 0.70 | | |
| Regional Highways | 0.95 | 0.85 | 0.80 | 0.75 | 0.75 | 0.70 | | |
| District/Local Interest Roads | 0.95 | 0.90 | 0.85 | 0.80 | 0.80 | 0.75 | | |

Table 4-5: Maximum Volume/Capacity Ratios for Peak Hour Operating Conditions

Roadway Segment Operations

The following section presents the results of the operational analysis for selected roadway segments, and is based on the 30th HV estimation methods described above. Using 14- and 48-hour directional tube counts, the two-way peak hour volumes were estimated at several roadway sections using the 30th HV adjustment factor. These sections were identified by the County and ODOT for analysis and represent key roadways within the study area.

The results of the operations analysis were compared with the appropriate OHP mobility standards to determine which study area roadway facilities are deficient. Table 4-6 presents the results of roadway section capacity analysis for highways within the county; the results show that all of the study area roadway segments are within OHP mobility standards.

30th Highest Hour Volumes

The traffic counts and the results of traffic volume trends from ODOT's automatic traffic recorders (ATR) were used to estimate the annual 30th highest hour traffic volumes. ODOT traffic analysis procedures call for the annual 30th highest hour (30 HV) traffic volumes to be used to calculate volume-to-capacity ratios for intersections and street segments. Although most counts were taken close to the highest periods of the year and on weekdays, counts were checked for any seasonal variations.

| | Count | Two-Way Adjusted Volume | Peak | Two-way Capacity | OHP | |
|---|---------------------------------------|-------------------------------|----------|---------------------|----------|-----------|
| Street Name | Location | (AADT)* | Volume** | (vph) | Standard | V/C Ratio |
| Westside RD | S. of Rocky Point RD | 536 | 54 | 2,000 | 0.75 | 0.03 |
| Spring Lake RD | S. of K Falls | 1,685 | 169 | 2,000 | 0.75 | 0.08 |
| Sprague River RD | ChilSprag. Riv.RD. Br. #4 | 511 | 50 | 2,000 | 0.75 | 0.03 |
| Short RD | Klamath Falls | 2,121 | 210 | 2,000 | 0.75 | 0.11 |
| Reeder RD | K Falls, S. of 140 | 368 | 36 | 2,000 | 0.75 | 0.02 |
| Pine Grove RD | K Falls, W. of Schooler CT | 462 | 46 | 1,700 | 0.75 | 0.03 |
| Keno Worden RD | K Falls, E. Overland | 466 | 46 | 2,000 | 0.75 | 0.02 |
| Homedale RD | K Falls, S of Airway DR | 1,108 | 111 | 2,000 | 0.75 | 0.06 |
| Hill RD | N. of Merrill | 590 | 58 | 1,700 | 0.75 | 0.03 |
| Crystal Springs RD | K Falls, W. of bridge | 434 | 42 | 1,700 | 0.75 | 0.02 |
| Chiloquin Ridge RD | Chiloquin | 149 | 15 | 1,700 | 0.75 | 0.01 |
| Bly Mnt. Cutoff | Bonanza, S. of Teal DR | 1,461 | 145 | 1,700 | 0.75 | 0.09 |
| OR 31 | Klamath/Lake County Line | 910 | 92 | 1,700 | 0.70 | 0.05 |
| US 97 | Crescent Post Office | 6,500 | 656 | 2,000 | 0.70 | 0.33 |
| US 97 | 0.10 mile north of Chiloquin Hwy | 4,100 | 414 | 2,000 | 0.70 | 0.21 |
| US 97 | 0.30 mile north of OR 39/US 97 Bus. | 9,400 | 949 | 2,000 | 0.70 | 0.47 |
| US 97 | On Klamath River Bridge | 4,900 | 495 | 2,000 | 0.70 | 0.25 |
| OR 58 | 0.01 mile south of Crescent Lake Rd. | 4,000 | 404 | 2,000 | 0.70 | 0.20 |
| OR 58 | 0.45 mile northwest of US 97 | 1,900 | 192 | 2,000 | 0.70 | 0.10 |
| OR 138 | 0.10 mile west of US 97 | 1,400 | 141 | 2,000 | 0.70 | 0.07 |
| OR 62 | west boundary of Crate Lake NP | 530 | 53 | 1,700 | 0.70 | 0.03 |
| OR 62 | Chiloquin west city limit | 1,000 | 101 | 1,700 | 0.70 | 0.06 |
| OR 140 | 0.01 west of Dead Indian Rd. | 2,300 | 232 | 2,000 | 0.70 | 0.12 |
| OR 140 | 0.06 mile east of OR 39 | 7,000 | 706 | 2,000 | 0.70 | 0.35 |
| OR 140 | 0.01 mile west of Bly Mountain Cutoff | 1,500 | 151 | 2,000 | 0.70 | 0.08 |
| OR 66 | 0.01 mile east of Keno-Worden Rd. | 2,900 | 293 | 1,700 | 0.70 | 0.17 |
| OR 66 | 0.01 mile west of US 97 | 12,200 | 1231 | 1,700 | 0.70 | 0.72 |
| OR 39 | 0.01 mile south of OR 140 | 6,900 | 696 | 2,000 | 0.70 | 0.35 |
| OR 39 | Merrill east city limit | 4,300 | 434 | 2,000 | 0.70 | 0.22 |
| OR 50 | Malin west city limit | 1,400 | 141 | 1,700 | 0.70 | 0.08 |
| OR 70 | Bonanza west city limit | 860 | 87 | 1,700 | 0.70 | 0.05 |
| *1.05% per year growth **30th HV estimated | a rate at 10% of the AADT | - | - | <u> </u> | | |

Table 4-6: Study Area Roadways Maximum V/C Ratios - Year 2004 30th HV Conditions

ROADWAY SYSTEM NEEDS

The state highway system within the Klamath County region should be upgraded to improve service for inter-city and urban area travel demand. When coupled with local street improvements and development, these highway enhancements will improve the functional capacity of the overall roadway system.

From the existing conditions inventory, participation from the TAC and ODOT, and interviews with local stakeholders, it became evident that particular facilities in the county have deficiencies of varying degrees; these fall under the category of either design deficiencies or, as in other instances, the need for passing lanes along particular sections.

Transportation System Deficiencies

<u>US 97: Modoc Point – Algoma, Phase 2:</u> this segment of highway has substandard shoulder widths, substandard cut and fills slopes, and unprotected hazards that exist within the clear zone. The existing guardrail and guardrail end terminals need upgrades to current standards, and the existing concrete barrier does not meet current established road standards. <u>Source: Supplemental STIP.</u>

<u>OR 39: Jct. Klamath falls/Lakeview Hwy – Lost River (within Klamath Falls UGB)</u>: the pavement in this segment of highway is rated in fair condition; safety problems also exist and four Safety Priority Index System (SPIS) sites are identified in this segment. During peak hour traffic volumes, vehicles coming from eastbound Southside Expressway and turning northbound have difficulty, and this signal currently meets warrants and should be reevaluated. Clearance and width requirements at the aqueduct (M.P. 3.68) are inadequate; widths and clearance at the newly constructed RR over crossing (M.P. 3.47) are also substandard. Source: Development project (KFCC).

Additional system deficiencies have been identified for portions of OR 140, including:

<u>OR 140: Ritter Rd – Deer Run Rd (Bly Mt. Curves)</u>: substandard shoulders & curves to be addressed by wider roadway and shoulders, and realignment to correct curves & improve sight distance; upgrade and add guardrail. <u>Source: SCORP Hwy 140 corridor analysis (2001)</u>.

<u>OR 140 at Homedale Rd (in Klamath Falls UGB)</u>: congestion and accidents to be reduced by new construction, including roadway widening, bridge work and grade separation of Homedale. There is also consideration of an interim management strategy to look at a provisional signal solution. Source: Klamath Falls TSP (1998).</u>

<u>OR 140: Stevenson Co. Park – "E" Canal:</u> the existing curves in this section of highway do not meet current design standards, and would be addressed by realignment of the highway, construction of a deceleration lane for right turns into North Poe Valley Rd and extension of North Poe Valley Rd to match the new state highway alignment. <u>Source: Klamath Falls Project Office.</u>

<u>OR 140 Extension to Olene:</u> one of the more significant deficiencies on the state highway system is the Southside Expressway; the County has been very interested in working with ODOT to extend the Expressway from the intersection of OR 140/39 to Olene. The proposed alignment would require a Goal Exception from DLCD, as it goes through exclusive farm use (EFU) land and other agricultural zones.

The Olene extension project would consist of constructing a new 4-mile alignment from the junction at Hwy 39/Hwy 424 to Hwy 140 at Milepost 9.8. As part of this project, one mile of Reeder Road would also be reconstructed, as well as a new bridge over the Lost River canal and a bridge over BOR B Canal.

Short-term deficiencies on US 97 relate to the fact that it is a freight corridor, which is gaining additional usage because of bridge restrictions on I-5. Over time there could also be an increase in distribution centers in the corridor, which potentially would lead to an overall increase in freight traffic, and possibly increase the use of triple-trailer truck configurations; the need for passing lanes in several locations is addressed in Chapter 7 of this TSP.

Associated geometric improvements are also needed on portions of OR 66 through Keno, where substandard curves and excessive crashes are a growing issue. Sections of OR 58, particularly near Odell Lake, are a concern as the road is lined with boat trailers in the summer causing safety issues.

<u>Crash Analysis</u>

Data from ODOT's Crash Analysis and Reporting Unit provides crash summaries by year and collision type for all state highways within Klamath County (excluding the City of Klamath Falls). Statistics from January 1, 1999 through December 31, 2003 are summarized in Table 4-7:

| Year | Non-Fatal Crashes | Property Damage Only | Fatal Crashes | Total Crashes |
|-------------|----------------------|-------------------------|---------------|---------------|
| 1999 | 1 | 2 | N/A | 3 |
| 2000 | N/A | 1 | N/A | 1 |
| 2001 | 2 | 4 | | 6 |
| 2002 | N/A | 1 | 2 | 3 |
| 2003 | 1 | 2 | N/A | 3 |
| Final Total | 4 | 10 | 2 | 16 |

| Table 4-7: 2003 Crash Summa | ry for Klamath County |
|-----------------------------|-----------------------|
|-----------------------------|-----------------------|

As one might expect, the majority of crashes in the county occurred on US 97, Klamath Falls-Malin Highway, where a total of 11 crashes occurred between January 1999 and December 2003. Most of these crashes were not serious and did not cause bodily injury; however, one of these crashes on US 97 was fatal. Other notable locations that indicate system deficiencies include OR 70 at East Langell Valley Road near the community of Bonanza, where two of the 16 reported crashes occurred. The remaining three reported crashes took place on Chiloquin Highway 422; of these three, two took place in virtually the same location: Chocktoot Street and Lalakes Street; one fatal accident occurred on Highway 422 at Chiloquin Highway and Chocktoot Street.

Safety Priority Index System

The Safety Priority Index System (SPIS) is a method developed by ODOT for identifying hazardous locations on state highways. The SPIS score is based on three years of crash data and considers the following factors: crash frequency, crash rate, and crash severity. ODOT bases its SPIS on 0.10-mile segments to account for variances in how crash locations are reported. To become a SPIS site, a location must meet one of the following criteria:

- Three or more crashes have occurred at the same location over the previous three years.
- One or more fatal crashes have occurred at the same location over the previous three years.

For the year 2003, which includes crash data for 2000, 2001, and 2002, the SPIS scores at or above 45.07 are in the top 10 percent.

Each year, a list of the top 10 percent of SPIS sites is reviewed by the five Region Traffic Engineers. These sites are evaluated and investigated for safety problems; when a problem is identified, a cost/benefit analysis is performed and appropriate projects are initiated, often with funding from the Hazard Elimination Program (HEP). Regions report the results of their site evaluations to the State Traffic Engineer.

Specific SPIS sites as they relate to Klamath County are as follows:

- East Side Bypass (MP -2.24 at OR 39 MP 3.22) OR 39 (MP 3.28 at Summers Ln)
- Esplanade/Hwy 50 spur @ (MP 4.97)
- Shady Pine Rd @ US 97 (MP 268.84)
- Railroad crossing to past Summers Ln (OR 140 MP 3.87)
- OR 39 (MP 17.00)
- US 97 (MP 251.00) beginning and ending of lanes
- US 97 (MP 228.70 and 228.76)
- Midland Hwy/Washburn Way/Laverne Ave/Washburn (MP 1.46)
- Hwy 424 access/39 intersection
- Tombo Rd (US 97 MP 176.57)
- OR 39 (MP 32.00)
- MOLLIES (US 97 MP 272.4)
- End of Green Springs Hwy 021 (OR 66 MP 59.05)
- Near Varney Creek Rd (OR 140 MP 43.00)

COUNTY BRIDGES

The appendix lists bridges that are located in Klamath County, and which are owned and maintained by the county; all but two of these bridges were last inspected by ODOT in 2003⁵.

Included in this table is a bridge sufficiency rating, which is a measure of the overall functionality of each bridge. The rating is a numeric value ranging from 0 to 100, with higher ratings indicating optimal conditions and lower ratings indicating a deficient condition. The sufficiency rating is based on a formula that accounts for four primary factors:

- 1. Structural adequacy and safety (structural condition)
- 2. Serviceability and functional obsolescence (# of lanes, ADT, width, geometry, etc.)
- 3. Necessity for public use (detour length, ADT, defense highway designation)
- 4. Special reductions (detour length, traffic safety features, structure type)

Bridges with a sufficiency rating of 80 or less are eligible to receive funding for repairs; bridges with a sufficiency rating of 50 or less are at or nearing a structurally deficient condition; currently, 11 County-owned bridges have a deficient rating.

Functionally obsolete bridges cannot adequately serve the demand placed on them today. For example, they may be too narrow according to today's design standards, or unable to accommodate heavier loads. Bridges are a fundamental link in the transportation system for general mobility, and are vital to local farmers and businesses alike. Furthermore, load limits disrupt commerce as heavy trucks are forced to detour around load-limited bridges, adding time and cost to their routes.

| ROAD NAME | INTERSECTS | STATE ID# | SUFFICIENCY RATING |
|-----------------------|----------------------|--------------|-----------------------|
| E. Langell Valley Rd. | Lost River | 18C017 | 61.1 |
| Ioof Cemetery Rd. | Irrig Canal | 35C145 | 65.0 |
| Reeder Rd. | B Canal | 35C179 | 69.8 |
| Sprague River Rd. | Sprague R. | 6835 | 14.5 |
| Sprague River Rd. | Sprague R. | 6745 | 24.2 |
| Sprague River Rd. | Sprague R. | 6746 | 36.4 |
| Chiloquin Rdg. Rd. | Sprague R. | 35C120 | 64.5 |
| Dehlinger Rd. | G Canal | 18C023 | 67.1 |
| Crystal Springs Rd. | Lost River | 18C025 | 46.9 |
| Williamson River | Pine Cone Dr. | 35C176 | N/A |
| Miller Creek | E. Langell Valley Rd | 18C16A | N/A |

| Table 4-8: | Structurally | Deficient Bridges |
|------------|--------------|--------------------------|
| 14010 1 0. | Structurany | Denerene Driages |

⁵ These bridges are only five feet long and cross irrigation canals; they are no longer inspected.

Bridge replacement and repair is at the forefront of ODOT's planning for the future of Oregon's roadway system, and it is doing so under the Oregon Transportation Investment Act (OTIA). The OTIA State Bridge Delivery Program is ODOT's 10-year, \$3 billion undertaking; during the next decade, OTIA funds will repair or replace hundreds of bridges, pave and maintain city and county roads, improve and expand interchanges, add new capacity to Oregon's highway system, and remove freight bottlenecks statewide. The bridge repair and replacement work is taking place through five overlapping stages:

- <u>Stage 1</u> includes repairs to bridges along the US 97-US 26 corridor from Klamath Falls to Portland. This will create a route that trucks can use when repairs are being done to hundreds of bridges along I-5.
- <u>Stage 2</u> will repair bridges along all of I-84 and on I-5 from Portland to Eugene.
- <u>Stages 3-5</u> will include repairs to the rest of I-5's bridges from Eugene south to the California border, plus bridges on other state highways throughout Oregon.

Table 4-9 lists four bridges maintained by ODOT that have sufficiency ratings of 50 or less. Additional ratings and more detailed information for nearly 100 state-owned bridges in the county are included in the appendix.

| | | | Sufficiency |
|---------------------------------|-----------------|-----------------------|-------------|
| Bridge Name | Carries | Crosses | Rating |
| Klamath River, Hwy 21 (Spencer) | OR 66 (HWY 021) | Klamath River | 40.30 |
| Spring Creek, Hwy 4 | US 97 (HWY 004) | Spring Creek | 40.90 |
| Algoma Log Pond, Hwy 4 | US 97 (HWY 004) | Algoma Log Pond | 43.00 |
| USRS Diversion Canal, Hwy 420 | HWY 420 | BOR Diversional Canal | 48.30 |

Table 4-9: Structurally Deficient State-Owned Bridges (2003 Ratings)

FREIGHT INFRASTRUCTURE

Truck Routes

Truck traffic in and around the county is a growing concern, due to the safety issues that are present in either narrow roadway sections, or in areas where sight-distance is problematic because of topographic features. Table 4-1 summarizes the county roadways that have greater than 10 percent truck traffic, including the following:

- Westside Road, with 20 percent truck traffic south of Rocky Point Road, in both the northbound and southbound directions;
- 12 percent on Sprague River Road near Sprague River Road Bridge #4;
- 19 percent in the eastbound direction of Keno Worden Road, east of Overland; and
- 73 percent in both directions on Bly Mountain Cutoff in Bonanza, south of Teal Dr.

The map in Figure 3-2 in the previous chapter highlights the remainder of freight routes in the county and their associated percentage of truck traffic. Some percentages as shown, such as those for Highway 97 and other major, regional routes are to be expected.

US Highway 97 and Oregon Highway 58 are the designated state freight routes in Klamath County. Truck traffic typically accounts for 25 to 40 percent of all traffic on these routes; because US 97 has fewer passes and a reduced amount of traffic than I-5, it is increasingly being used as an alternative route. As the advantages of US 97 over I-5 are discovered more and more (no passes, fewer winter delays, largely flat surface), additional passing lanes may be needed. A crucial deficiency on US 97 is its location along Upper Klamath Lake and the impracticality of widening the current two-lane configuration to four-lanes. The roadway is positioned in a difficult spot, whereby if it is widened to the west it will have to be on structure above the water; if it is widened to the east it will impact archeologically sensitive areas.

Oregon Highways 138, 140 and 39 are also used frequently by trucks. On these routes, truck traffic typically comprises 10 to 25 percent of all traffic. On OR 140 near Upper Klamath Lake, wide loads currently are prohibited in a two-mile section, forcing trucks to detour to the north. Wide loads are also prohibited on sections of OR 140 east of Klamath Falls; these sections are scheduled for improvements in 2008. One of the primary deficiencies in many locations, which relates to freight mobility, is the absence of passing lanes or segments of various roadways that are too narrow and cause safety issues.

Truck Freight

The State Highway freight system is intended to facilitate interstate, intrastate, and regional truck movements. This freight system, comprised of Interstate Highways and certain Statewide Highways on the National Highway System, includes routes that carry a significant tonnage of freight by truck and serve as the primary interstate and intrastate highway freight connection to ports, inter-modal terminals and urban areas. US 97 and Oregon Highway 58 are the designated State Freight Routes in Klamath County. Truck traffic typically accounts for 25 to 40 percent of all traffic on these routes, and is increasing on US 97 in particular due to bridge problems on I-5⁶. However, while an important issue, this is not considered to be long term. There will likely be short-term diversions of truck traffic from Interstate 5 to US 97 while the Interstate bridges are repaired or replaced. Because US 97 has fewer passes and less traffic than I-5, it is increasingly being used as an alternative route through southern Oregon. In addition, US 97 does have a distinct advantage over Interstate 5 during the winter months, due to the absence of mountain passes and the lesser snowfall amount on the east side of the Cascades vs. the Siskiyou mountains of southern Oregon.

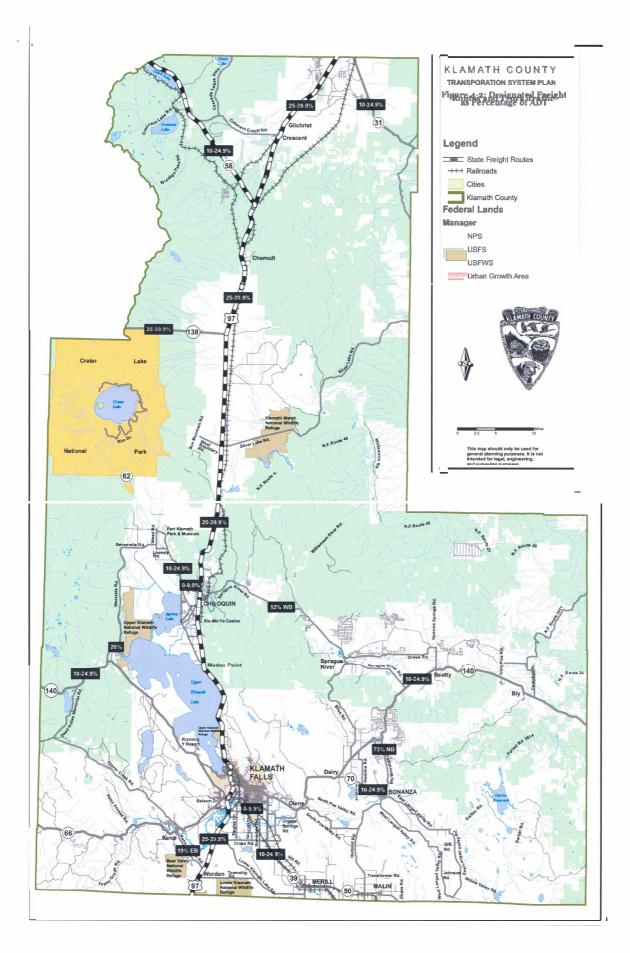
Oregon Highways 58, 138, 140, and 39 are also being used by freight traffic. On these routes, truck traffic typically comprises 10 to 25 percent of all traffic. On OR 140 west of Klamath Falls, wide loads are currently prohibited in a two-mile section along Upper Klamath Lake, forcing trucks to detour. Wide loads are also prohibited on sections of OR 140 east of Klamath Falls; these sections are scheduled for improvements in 2008. Figure 4-2 on the following pages shows the percent of truck traffic for these and other locations.

⁶ ODOT 2002 Vehicle Classification Count Data.

Three of the largest employers in the county with heavy truck shipping/receiving demands are all located in Klamath Falls. These are:

- Columbia Plywood—Hardwood
- Kingsley Field / ORANG (Oregon Air National Guard)
- Jeld-Wen, Inc. (Specialty windows and doorframes).

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Klamath County Transportation System Plan Chapter 4 - Current Transportation Conditions .

Passing Lanes

On many sections of the county road network, passing lanes and/or left-turn refuges are needed in an assortment of narrow, congested areas. This is particularly true for portions of US 97, which may experience additional usage as a freight corridor in the short term, due to various bridge work along I-5; US 97 is also being used more to bypass sections of I-5 in southern Oregon. These locations are summarized below:

- US 97: Hackett Dr Gilchrist (formerly Lapine Crescent)
- US 97: M.P. 230 M.P. 235 (Spring Creek)
- US 97: Klamath Falls Port of Entry
- OR Highway 140: M.P. 17 to M.P. 44

A high-priority location is the junction of OR 39 and OR 140, where congestion and delays will be addressed by a mix of traffic signal improvements, access improvements or a grade-separated intersection. This project is particularly important considering safety issues and the fact that it is a top-ten SPIS site with a total of 33 crashes from 2001-2003 (SPIS value = 74.57).

Freight Rail Network

The Klamath Basin is served by the Union Pacific (UP) and Burlington Northern Railroads (BN). As a result of its purchase of the Southern Pacific (SP), the UP acquired trackway rights over the BNSF between Bend and Chemult. In return, BNSF acquired the former UP line between Bieber and Keddie, California. This has resulted in both the UP and the BNSF having parallel main lines between the Pacific Northwest and California. The UP also owns the Modoc line, which runs southeasterly from Klamath Falls to a connection with its California-to-Ogden mainline at Flanigan, Nevada. The Oregon California and Eastern Railroad abandoned its right-of-way, which reverted to the state and is used as a bicycle/pedestrian connection.

Deficiencies in the freight rail network are found in areas north of Klamath Falls, where UP and BN both run on the Cascade Line track. Just south of Highway 140, the UP track has a wye that connects to the Modoc Line, which then aligns to the west of the rail yard and brackets the airport. This requires that an entry road must cross a portion of the trackway, causing potential at-grade conflicts.

General freight rail issues:

- Two problem intersections along Hill Road where there are two at-grade RR crossings within 1/4 mile of each other.
- General lack of railcars to meet local needs.
- At-grade crossing on South Side Expressway near Sumners Lane; trains can cause significant back-ups on the Expressway.

PUBLIC TRANSPORTATION

Basin Transit Service (BTS) is the public transit agency for the Greater Klamath Falls Urban Area. The District covers over 30 square miles; BTS operates six fixed-routes in the Klamath Falls basin serving the city and the surrounding suburbs (Figure 4-3 on the following pages shows BTS routes). Transfers are made at the Downtown and Fairgrounds Transit Centers; in addition, BTS offers Dial-a-Ride service to customers that are unable to use regular fixed-route buses. The District is essentially the same size as the Klamath Falls UGB and serves a population of roughly 45,000.

Dial-A-Ride vans are used to transport customers that want to go beyond the regular fixed routes into other locations in the District known as "Extended Service Areas," which include Henley, Wocus, the Airport, Columbia Plywood, Aqua Glass, International Paper, and Green Acres. A unique service provided in Klamath County, The Linkville Trolley, is supported through the cooperative efforts of the City of Klamath Falls, Klamath County and BTS. The service is provided during the summer months to support the tourism industry, with round-trip service from the museum.

Basin Transit Service does not provide regular service outside of Klamath Falls; however, there is regular shuttle bus service to other destinations such as Medford, Ashland, and Kla-Mo-Ya Casino; and Sage Stage, operated by the Modoc Transportation Agency, which provides public transportation with connections to Redding, Susanville (CA), and Klamath Falls.

Public transportation in Klamath County is perceived by some to be lacking, and in particular the Klamath Tribes have indicated that more comprehensive transit service in the county is desirable. At this time, there are no expansion plans for Basin Transit's regular service.

An opportunity for expansion relates to providing transit on Hwy 140 West, to the Pine Valley area – this area is expected to grow over the next several years.



Figure 4-3. Basin Transit Service Route Map

BICYCLE AND PEDESTRIAN NETWORK

Pedestrian and bicycle modes serve a variety of needs in Klamath County, including relatively short trips to major attractors, recreational trips and circulation, and access to public transit. Bicycle travel is a viable commuting option, particularly where supported by facilities such as bicycle lanes and/or paved shoulders, secure bicycle parking and bus-mounted bicycle racks. Walking is also a viable choice for commute trips where mixed-use development occurs and when people live near their place of work.

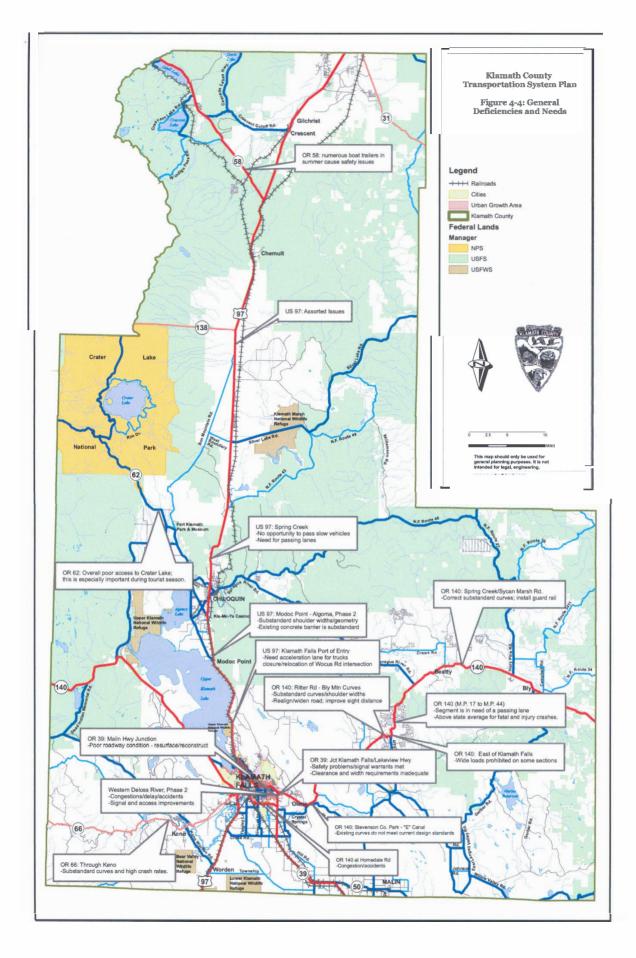
Both the City of Klamath Falls and Klamath County have bike lanes on several city streets, and one of the more distinct bike features in the county is the separated bikeway in Gilchrist-Crescent. Plus, there is a seven-mile separated multi-use path along the A Canal; the A Canal path links to the Oregon, California, and Eastern railroad (OC&E) Woods Line State Trail, which starts at the city limits and is paved for 4 miles through the south suburban area along the Alameda Bypass. The trail is open for an additional 4 unpaved miles to Olene Gap, where the Lost River cuts through into the mountains on its way to its terminus at Tule Lake and the nearby wildlife refuges.

As previously noted, sidewalks were present from the east to west city limits in Merrill. Sidewalks along the local street system are all within official city boundaries and are not the jurisdiction of the county. Due to the rural nature of the county and the large distances between trip generators, there is relatively little demand for pedestrian facilities outside of the cities.

Bicycle advocacy issues are led by the Klamath County Bike Trails Advisory Committee. This group coordinates with the County, ODOT and the City of Klamath Falls on bicycle infrastructure planning and other related issues. In addition, there is an active bicycle club, the Klamath Freewheelers, and a local Rails-to-Trails chapter.

ODOT has proposed several projects for the county that would add new/upgraded sidewalks in various communities on state facilities. This work included modernizing sidewalks and curbs in the existing curb area and an ADA crossing.

Pedestrian deficiencies exist on US 97 in Crescent-Gilchrist; OR Highway 62 in the Community of Fort Klamath; US 97 in the City of Chiloquin; OR Highway 140 in the Community of Beatty; OR Highway 140 in the Bly Community; OR Highway 70 in the City of Bonanza; and OR Highway 39 in Merrill. These consist largely of sidewalk/shoulder needs for bicycle and pedestrian access.



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Chapter 5. Future Transportation Conditions

Klamath County's future transportation facility conditions presented in this chapter are based on several factors: historic and projected population change, historic and projected economic change, and historic and projected traffic growth on the state highways.

POPULATION

Land use and population change are key factors in projecting future condition of the existing transportation infrastructure. As Figure 5-1 illustrates, Klamath County has experienced relatively minor population shifts over the years. Table 5-1, below, shows the county's populations from 1960 to 2004, as well as the percent change between 1990 and 2000. As this table shows, after declining by about 2,000 from 1980 to 1990, Klamath County's population now appears to be on a gradual rise and holding steady.

Table 5-1: Klamath County Population, 1960-2000

| | 1960 | 1970 | 1980 | 1990 | 2000 | July 1, 2004 ⁷ | Percent Change 1990-2000 |
|--------|--------|------|--------|--------|--------|------------------------------|-----------------------------|
| County | 47,475 | | 59,117 | 57,702 | 63,775 | 64,800 | 10.5% |

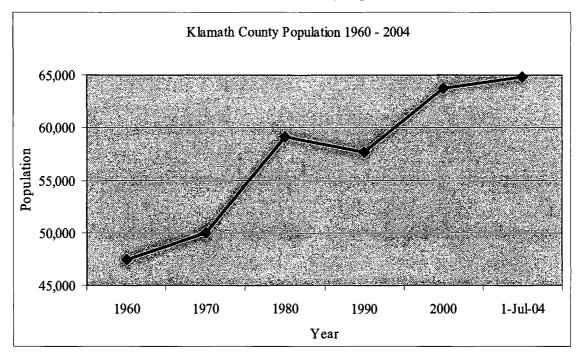


Table 5-2: Klamath County Population

⁷ Population Research Center, Portland State University.

As Figure 5-1 below shows, the largest age group in Klamath County was 45-64 year olds (2000 Census). However, the three age groups that generally contain the most transportationdisadvantaged individuals (age 65 and over, under 5 years, and 5-19 years) together represented 64 percent of the County population.

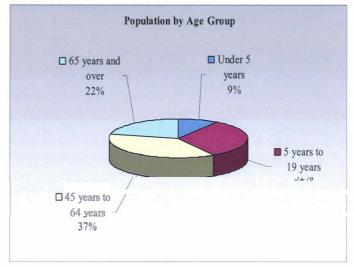




Table 5-3 presents population forecasts by age in Klamath County; workforce-aged people will increase by 1,591 from 2005 to 2025. More notable, however, is that the number of people in Klamath County 65 or older will increase by almost 5,000 from 2005 to 2025.

| Year 2005 | Age Group | | | | | | |
|----------------------|-------------|--------------------------|------------------|--|--|--|--|
| Area | <u>0-14</u> | <u>0-14</u> <u>15-64</u> | | | | | |
| Oregon Total | 712,727 | 2,451,155 | 454,318 | | | | |
| Klamath County | 13,217 | 42,387 | 9,726 | | | | |
| 1 Managala Manda e e | | | | | | | |
| Year 2025 | _ | Age Grou | p | | | | |
| Area | 0-14 | <u>15-64</u> | <u>65 + Over</u> | | | | |
| Oregon Total | 854,349 | 2,917,868 | | | | | |
| Klamath County | 13,995 | 43,978 | 14,658 | | | | |

Table 5-3: Population Forecasts by Age

The State of Oregon's Office of Economic Analysis develops growth projections for all of the counties; Table 5-4 identifies the 2025 population projection for Klamath County. Intermediate year projections are based on the 1995-2025 average annual growth rate of 0.51 percent

(compounded). As this table shows, Klamath County is forecast to grow moderately over the next 20 years to reach a projected population of approximately 72,631.

Land use and population change plays an important role in projecting future traffic volumes. Historic trends and their relationship to historic traffic growth on state highways are the basis of those projections. Population forecasts were developed to determine future transportation needs. The amount of growth, and where it occurs, will affect traffic and transportation facilities in the study area.

| Klamath Co. | Population | | | | | | Average Annual | |
|-------------|------------|-------------------|--------|--------|--------|--------|-----------------------------|--|
| | 2000 | 2005 ⁸ | 2010 | 2015 | 2020 | 2025 | Growth Rate (compounded) | |
| Co. Total | 63,775 | 65,330 | 66,968 | 68,851 | 70,595 | 72,631 | 0.51% | |

Table 5-4: Klamath County Office of Economic Analysis Forecast, 2000-2025

⁸ http://www.oea.das.state.or.us/DAS/OEA/docs/demographic/pop_components.xls

TRAFFIC VOLUMES

Projected traffic volumes are based on the population factors described above as well as the historic traffic volumes described below. Traffic volumes on Klamath County highways have historically grown very slowly; this trend is expected to continue. The general forecast for continued gradual growth is also reflected by the population projection for Klamath County (Table 5-3). While traffic volume data is not available for local roads, it is likely that traffic volumes on local roads will also follow a similar trend.

Future Traffic Conditions (2025)

This section summarizes the methodology used to determine future travel demand and shows the results of the operational analyses of future conditions for the roadways in the county. The forecasted, no-build, future conditions analyses assume that the existing roadway geometry, traffic controls and lane configurations all remain in place.

The future traffic volume forecasts were based on the population and employment forecasts described by Oregon's office of Economic Analysis. This technical memorandum was distributed and discussed by the Technical Advisory Committee (TAC) on January 27, 2005.

Seasonal Variations

Time of year may have effects on the amount of traffic on a roadway system; harvest, closure due to snow or flooding, and tourism are all examples of seasonal events. ODOT has permanent Automatic Traffic Recorders (ATR) on US 97 at Modoc Point (Milepost 254.3) and at Midland (Mile point 289.4). It is likely that seasonal impacts are similar to other highways in Klamath County; for example, areas on US Highway 58 are lined with boat trailers in the summer months, causing safety concerns and sight-distance issues. However, overall seasonal variations in the county are on a relatively small-scale level.

Level of Service (LOS) Impacts

As discussed previously, gradual increases in daily traffic are expected through the year 2025 on US 97 and the other major roadways in the county. The V/C ratio on those sections of roadway in the county is expected to remain satisfactory (V/C < 1) through the next 20 years; all other roadways in the study area are expected to maintain acceptable V/C throughout the 20-year horizon as well, as seen in Table 5-5 on the following page.

| Road | Count Location | Two-Way Adjusted Volume (AADT)* | Peak Volume** | Existing V/C Ratio | 2025 Volumes (AADT) | Peak Volume** 2025 | 2025 V/C Ratio |
|--------------------------------|---------------------------------------|--|------------------|--------------------------|---------------------------|--------------------------|-------------------|
| Westside RD | S of Rocky Point RD | 536 | 54 | 0.03 | 590 | 59 | 0.03 |
| Spring Lake RD | S of K Falls | 1,685 | 169 | 0.08 | 1857 | 186 | 0.09 |
| Sprague River RD | ChilSprag. Riv Rd Br #4 | 511 | 50 | 0.03 | 563 | 56 | 0.03 |
| Short RD | Klamath Falls | 2,121 | 210 | 0.11 | 2338 | 234 | 0.12 |
| Reeder RD | K Falls, S of 140 | 368 | 36 | 0.02 | 406 | 41 | 0.02 |
| Pine Grove RD | K Falls, W of Schooler CT | 462 | 46 | 0.03 | 509 | 51 | 0.03 |
| Keno Worden RD | K Falls, E Overland | 466 | 46 | 0.02 | 514 | 51 | 0.03 |
| Homedale RD | K Falls, S of Airway DR | 1,108 | 111 | 0.06 | 1221 | 122 | 0.06 |
| Hill RD | N of Merrill | 590 | 58 | 0.03 | 650 | 65 | 0.04 |
| Crystal Springs RD | K Falls, W of bridge | 434 | 42 | 0.02 | 478 | 48 | 0.03 |
| Chiloquin Ridge RD | Chiloquín | 149 | 15 | 0.01 | 164 | 16 | 0.01 |
| Bly Mnt. Cutoff | Bonanza, S of Teal DR | 1,461 | 145 | 0.09 | 1610 | 161 | 0.09 |
| OR 31 | Klamath/Lake County Line | 910 | 92 | 0.05 | 1003 | 100 | 0.06 |
| US 97 | Crescent Post Office | 6,500 | 656 | 0.33 | 7163 | 716 | 0.36 |
| US 97 | 0.10 mile north of Chiloquin Hwy | 4,100 | 414 | 0.21 | 4518 | 452 | 0.23 |
| US 97 | 0.30 mile north of OR 39/US 97 Bus. | 9,400 | 949 | 0.47 | 10359 | 1036 | 0.52 |
| US 97 | On Klamath River Bridge | 4,900 | 495 | 0.25 | 5400 | 540 | 0.27 |
| OR 58 | 0.01 mile south of Crescent Lake Rd | 4,000 | 404 | 0.20 | 4408 | 441 | 0.22 |
| OR 58 | 0.45 mile northwest of US 97 | 1,900 | 192 | 0.10 | 2094 | 209 | 0.10 |
| OR 138 | 0.10 mile west of US 97 | 1,400 | 141 | 0.07 | 1543 | 154 | 0.08 |
| OR 62 | west boundary of Crate Lake NP | 530 | 53 | 0.03 | 584 | 58 | 0.03 |
| OR 62 | Chiloquin west city limit | 1,000 | 101 | 0.06 | 1102 | 110 | 0.06 |
| OR 140 | 0.01 west of Dead Indian Rd | 2,300 | 232 | 0.12 | 2535 | 253 | 0.13 |
| OR 140 | 0.06 mile east of OR 39 | 7,000 | 706 | 0.35 | 7714 | 771 | 0.39 |
| OR 140 | 0.01 mile west of Bly Mountain Cutoff | 1,500 | 151 | 0.08 | 1653 | 165 | 0.08 |
| OR 66 | 0.01 mile east of Keno-Worden Rd | 2,900 | 293 | 0.17 | 3196 | 320 | 0.19 |
| OR 66 | 0.01 mile west of US 97 | 12,200 | 1231 | 0.72 | 13444 | 1344 | 0.79 |
| OR 39 | 0.01 mile south of OR 140 | 6,900 | 696 | 0.35 | 7604 | 760 | 0.38 |
| OR 39 | Merrill east city limit | 4,300 | 434 | 0.22 | 4739 | 474 | 0.24 |
| OR 50 | Malin west city limit | 1,400 | 141 | 0.08 | 1543 | 154 | 0.09 |
| OR 70 | Bonanza west city limit | 860 | 87 | 0.05 | 948 | 95 | 0.06 |
| *0.51% per year grow | | | | | | | |
| **30 th HV estimate | d at 10% of the AADT | | | | | | |

Table 5-5: Average Annual Daily Traffic (2025)

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Chapter 6. Development of TSP Alternatives

The modal plans that appear in subsequent chapters of this TSP identify several road, interchange, bicycle, pedestrian, transit, and freight projects to meet existing and future multimodal needs. These plans and projects were developed through an iterative process and were informed by the following sources:

- A review of the system deficiencies identified during the plan process;
- Recommendations from the TAC, which were solicited during a series of meetings;
- Input from the residents of Klamath County, solicited during a public open house;
- Mitigation required by various policies and regulations;
- Professional judgment by City and ODOT staff and the project consultants.

EVALUATION PROCESS

Recognizing that the full set of identified needs and/or desired projects would likely outstrip available funding or conflict with other planned projects, it was important to determine which potential projects or groups of projects should be proposed for adoption and potential funding opportunities, and when the projects should be constructed. Several fundamental considerations were taken into account in making these determinations and in refining the improvements:

- How critical is the need for the project(s)?
- How urgent is that need?
- Is the County meeting its benchmark commitments (e.g., increasing bicycle and pedestrian facilities on arterial and collector streets)?
- Are the projects supportive of the County's land use and other Comprehensive Plan goals?
- Does the project(s) support the County's policies for transportation, and if so, how well?
- Does the range of projects include a reasonable mix from all travel modes?

To address these broader questions, the goals and objectives presented earlier in this TSP were used to establish which projects would be carried forward. These goals were applied to each potential (i.e., draft) improvement project, typically requiring subjective assessments. As Table 6-1 shows, the projects chosen were consistent with the stated goal and could improve circulation by providing alternative routes, and on projects that directly improve mobility (e.g., mitigate traffic congestion at specific locations). The plans and projects that are described in the following chapters were deemed to be most consistent with these overall priorities within the TSP goals and objectives. Not all projects are listed in Table 6-1, but examples of projects geared towards each goal are provided.

Table 6-1: TSP Goals and Potential Transportation Improvement Projects (Examples)

Goal 1: Provide a transportation system for the Klamath County planning area that is safe, efficient, economical, and accessible.

Project #140-1: Fish Lake Road Passing Lanes/Left-turn Refuge

Goal 2: Design and construct transportation facilities that enhance Klamath County's livability while meeting federal, state, regional, and local requirements.

Project #140-5: Olene Extension

Goal 3: Maximize the efficiency of Klamath County's transportation system through effective land use planning.

Project #3: Beatty Community Sidewalks

Goal 4: Provide a well planned, comprehensive road system that serves the needs of Klamath County.

Project# 97-4: Klamath Falls Port of Entry

Goal 5: Facilitate the development of a multi-modal transportation system in Klamath County to provide transportation options for Klamath County residents and visitors within the framework of context sensitive design.

Project: Transit should be considered for OR 140 to Pine Valley

Goal 6: Facilitate the provision of a multi-modal transport system for the efficient, safe, and competitive movement of goods and services to, from, and within Klamath County.

Project# 140-4: Widen 2-mile section near Upper Klamath Lake to avoid out of direction travel.

Goal 7: Implement the transportation plan by working cooperatively with federal, state, regional, and local governments, the private sector, and residents. Create a stable, flexible financial system for funding transportation improvements.

Project# 140-5: Olene Extension

Chapter 7. Modal Plans

The purpose of this chapter is to describe the individual elements of the TSP for Klamath County; the TSP provides operational plans for each modal element within the county. Projects are summarized on corresponding maps at the end of this chapter; components of this TSP include roadway standards, access management recommendations, transportation demand management measures, modal plans, and an implementation program.

ROADWAY ELEMENT

The Klamath County TSP Plan provides the county with an opportunity to review and revise roadway design standards to more closely fit with the functional roadway classification, and the goals and objectives of this TSP.

In appreciation of funding cycles and capital costs, Klamath County supports ODOT policy to develop two-lane State Highways through a four-step approach. The goal of this approach is to improve an existing two-lane rural highway, culminating in a four-lane facility with grade-separated interchanges and frontage roads. The four phases of development are implemented incrementally as the traffic volumes increase and the associated level of service decreases. Beginning with a standard two-lane rural State Highway, the improvement phases are as follows:

- 1. Addition of passing or climbing lanes every 3-5 miles
- 2. Continuous four-lane section
- 3. Adding grade-separated interchanges and overpasses/raised medians
- 4. Full access control with median barriers, frontage roads. Depending on the intersection, some elements of Phases 3 and 4 can be intermixed.

Considering the condition of Klamath County roadways and their rural nature, this four-phased approach is highly applicable.

Roadway Functional Class

Roadways have two functions, to provide mobility and to provide access. From a design perspective, these functions can be incompatible, since high or continuous speeds are desirable for mobility, while lower speeds are more desirable for access to homes and businesses. Furthermore, the number of accesses can have an inverse relationship to speed and safety, as more driveways (accesses) mean lower speeds and potentially more crashes.

Figure 7-1 below illustrates this tradeoff. Generally, arterials emphasize a high level of mobility for through movement; local facilities emphasize the land access function, and collectors offer a balance of both of these functions.

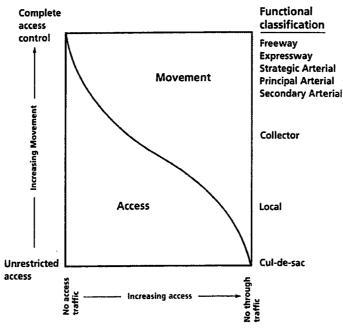


Figure 7-1. Relationship of Mobility and Access

The functional class of a roadway relates to the intended purpose of that roadway. Whether the road serves to connect destinations and handle large volumes of high-speed traffic; or if it provides access to adjacent properties, the intent of the roadway will drive its physical characteristics (i.e., number of lanes, alignment, grade, speeds, anticipated volumes, etc.). For example, the vehicular traffic on a roadway can be directly related to specific land uses, and the fact that the road carries a lot or a little traffic does not determine its function. The traffic volume, design (including access standards) and size of the roadway are outcomes of function, but do not define function. Function can best be defined by connectivity; without connectivity, neither mobility nor access can be achieved. Roadways that provide the greatest reach of connectivity are the highest level facilities.

The draft Functional Classification for Klamath County is shown in Figure 7-2. A description of each functional classification follows. Generally, the geographic scope of the following descriptions goes from a physically large area for arterials, to moderate areas for collectors, to neighborhoods for local roads.

Principal Arterials (State Highways) serve as the primary gateways in and out of the Klamath County area. These highways provide a connection between communities, towns, and cities. These highways are critical to the county because they generally serve the highest traffic volumes and longest trips between major attractors. Access control is critical on these facilities to ensure that they operate safely and efficiently.

Source: NCHPR Report 348, "Access Management Policies and Guidelines for Activity Centers." Metro Transportation Group. Transportation Research Board, Washington, DC 1993.

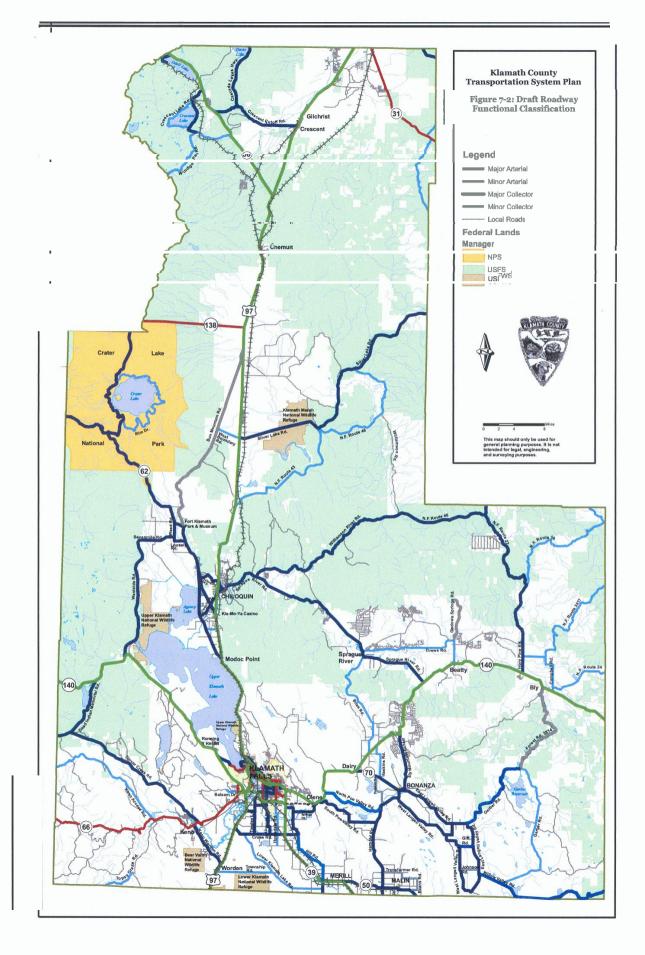
Minor Arterials connect state highways and link major destinations, and provide through movement to traffic, distributing it to collector streets and principal arterials, and provide limited land access. Signalization should be provided at intersections with other arterials and collector streets, as warranted. Arterials in the county generally have two- to four-lane cross-section with an approximate width of 80 feet; any newly planned arterials should be designed for a minimum right of way width of 80 feet.

Major Collectors move traffic between arterials and local roads, and provide access to adjacent uses. Intersections with other collectors and arterials may be signalized, as warranted. Property access from collectors should be discouraged where applicable. The collector is generally characterized by a two or three lane cross section. The county's collectors currently have an approximate width of 60 feet; any newly planned collectors should be designed for a minimum right of way width of 60 feet.

Minor Collectors are spaced at intervals consistent with population density to accumulate traffic from local roads and bring all developed areas within reasonable distance of collector roads. These roads also provide service to the remaining smaller communities.

Local roads provide access to private dwellings and businesses. Local streets should focus on serving passenger cars, bicycles and pedestrians. Transit and heavy truck traffic are generally discouraged from using local streets. Generally, local roads have two lanes and may include on-street parking on one or both sides.

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Roadway Standards

State Highway Standards:

Roadway design standards for state highways are provided in the Oregon Highway Design Manual. These standards should be applied to all State Highway improvements.

Klamath County Road Standards:

Currently, Klamath County has a set of roadway design standards for the County which can be found in the *Klamath County Road Standards*.

Suggested design standards on the Klamath County roadway system have been developed to maximize the safety and efficiency of the entire transportation system. The recommended roadway standards for arterials, collectors and local streets are summarized in Table 7-1. Because the final design of the roadway can vary from segment to segment due to adjacent land uses and demands, the objective was to develop a system that allows standardization of key characteristics to provide consistency and to provide guidelines for application that provides some flexibility while meeting standards.

| Roadway 1 | Design Standards |
|---------------------------------|--|
| | and the second |
| Vehicle Lane Widths: | Truck Route = 12 feet |
| (minimum widths) | Arterial = 12 feet |
| · · | Collector = 12 feet |
| | Local = 10-11 feet |
| | Turn Lane = 12-14 feet |
| On-Street Parking: | Not Applicable |
| Bicycle Lanes: | Arterials = shoulder or 5 feet |
| (minimum widths) | Collectors = shoulder or 5 feet |
| Sidewalks: | Shoulder or separated pathway |
| Landscape Strips: | Optional |
| | |
| Medians: | Optional |
| | |
| Neighborhood Traffic Management | None |
| /Traffic Calming: | |
| Turn Lanes: | When warranted |
| Maximum Grade: | Arterials = 6% |
| | Collectors = 6% |
| | Local Streets = 10% |

Table 7-1: Recommended Design Standards for Klamath County Road Department⁹

Four notable references that should be used to assist in Klamath County road design include the following:

• A Policy on Geometric Design of Highways and Streets, American Association of

⁹ Highway Design Manual

Highway Transportation Officials (AASHTO)

- Roadside Design Guide, AASHTO
- *Residential Streets 2nd Edition*, American Society of Civil Engineers, National Association of Home Builders and Urban Land Institute
- Residential Street Design and Traffic Control, Institute of Transportation Engineers

Bike Lanes

In Klamath County, rural roadways generally do not require separate bikeway facilities. Bicyclists are essentially accommodated on the shared roadway or on a shoulder, depending on traffic volumes. In general, bike lanes should be accommodated in the shoulders of arterial and collector streets when forecasted traffic volumes exceed 2,500 to 3,000 vehicles per day; otherwise shared roadway facilities will be adequate. In areas with high bicycle use, a pathway should be considered, preferably located on both sides of the roadway, separated from the roadway by at least five feet of greenbelt or a drainage ditch.

Sidewalks

Rural roadways generally do not require separate pedestrian facilities. Pedestrians are generally accommodated on the shoulder of the roadway. In areas with high pedestrian activity, a corridor should be considered, preferably located on both sides of the roadway, separated from the roadway by at least five feet of greenbelt or a drainage ditch.

For the Inside Urban Areas Alternative, sidewalks are shown on the typical cross-sections as well as sidewalk minimum widths.

Access Management

Access management is important, particularly on high volume roadways, for maintaining overall traffic flows and mobility. Whereas local and neighborhood streets primarily function to provide access, collector, and arterial streets typically serve greater traffic volumes. Numerous driveways or street intersections increase the number of conflicts and potential for accidents, and decrease mobility and traffic flow. Klamath County needs a balance of streets that provide access and streets that provide mobility.

Following are several access management strategies that the county could implement to ensure that access and mobility are both considered and maintained:

- Establish new county access management standards for all routes on new developments using maximums and minimums;
- Work with land use development applications to consolidate driveways;
- Potentially use medians on arterial routes to limit access;
- Provide right in/right out driveways on arterials or collectors where appropriate;
- Close and consolidate existing access points within 1,320 feet of interchanges, as possible;
- Allow no new access within 1,320 feet of interchange ramps (Interchange Management Access Plan (IAMP) required for new interchanges);
- Develop minimum traffic signal spacing on arterials and collectors in coordination with Klamath County and ODOT.

Access Management Standards

Access management is hierarchical, ranging from complete access control on freeways, to increasing use of streets for access purposes, parking, and loading at the local level.

For state highways, Klamath County should follow the guidelines specified in the *1999 Oregon Highway Plan*, Appendix C – Access Management Standards. Access to State Highways is controlled under Oregon Administrative Rules, Division 51 (OAR 754-54-0190). Table 7-2 and Table 7-3 below show ODOT's access standards for regional and district highways; Table 7-4 shows ODOT's access standards for Statewide Highways.

 Table 7-2: Access Management Spacing Standards for Statewide Highways (Feet*)

| Posted | Rural | - | | | | |
|---------|--------------|-------|--------------|-------|-----|--------|
| Speed | Expressway** | Other | Expressway** | Other | UBA | STA |
| ≥55 | 5280 | 1320 | 2640 | 1320 | | |
| 50 | 5280 | 1100 | 2640 | 1100 | | |
| 40 & 45 | 5280 | 990 | 2640 | 990 | | |
| 30 & 35 | | 770 | | 770 | 720 | Note 1 |
| ≤25 | | 550 | | 550 | 520 | Note 1 |

 Measurement of the approach road spacing is from center to center on the same side of the roadway.

**Spacing for Expressway at-grade intersections only.

Table 7-3: State Highway Access Management Spacing Standards for Regional Highways (Feet*)

| Posted | Rural | | Urban | | | | | |
|---------|--------------|-------|--------------|-------|-----|--------|--|--|
| Speed | Expressway** | Other | Expressway** | Other | UBA | STA | | |
| ≥55 | 5280 | 990 | 2640 | 990 | | | | |
| 50 | 5280 | 830 | 2640 | 830 | | | | |
| 40 & 45 | 5280 | 750 | 2640 | 750 | | | | |
| 30 & 35 | | 600 | | 600 | 425 | Note 1 | | |
| ≤25 | | 450 | | 450 | 350 | Note 1 | | |

* Measurement of the approach road spacing is from center to center on the same side of the roadway.

** Spacing for at-grade intersections only.

Note 1: Minimum spacing is either existing city block spacing, or city block spacing in local comprehensive plan.

| District High | District Highways | | | | | | | | | |
|----------------------|-------------------|-------|--------------|-------|-----|--------|--|--|--|--|
| Posted | Posted Rural | | | Urban | | | | | | |
| Speed | Expressway** | Other | Expressway** | Other | UBA | STA | | | | |
| ≥55 | 5280 | 700 | 2640 | 700 | | | | | | |
| 50 | 5280 | 550 | 2640 | 550 | | | | | | |
| 40 & 45 | 5280 | 500 | 2640 | 500 | | | | | | |
| 30 & 35 | | 400 | | 400 | 350 | Note 1 | | | | |
| ≤25 | | 400 | | 400 | 350 | Note 1 | | | | |

Table 7-4: Access Management Spacing Standards for District Highways (Feet*)

* Measurement of the approach road spacing is from center to center on the same side of the roadway.

** Spacing for at-grade intersections only.

Note 1: Minimum spacing is either existing city block spacing, or city block spacing in local comprehensive plan.

Proposed access management guidelines by roadway functional classification for Klamath County are described in Table 7-5. These access management guidelines should be applied to county roads; they are generally not intended to eliminate existing intersections or driveways. Rather, they should be applied as new development occurs. Over time, as land is developed and redeveloped, the access to roadways will meet these guidelines. In some cases, where there is a recognized problem, such as an unusual number of collisions, these techniques and standards can be applied to retrofit existing roadways.

 Table 7-5: Proposed County Road Access Management – Minimum Spacing Standards

| Functional Class | System Spacing | Minimum |
|------------------|----------------------------------|---------|
| | | Spacing |
| Major Arterial | 1 mile | 500 |
| Minor Arterial | 1 mile | 500 |
| Major Collector | ¹ / ₄ mile | 250 |
| Minor Collector | ¹ /4 mile | 250 |
| Local Street | 200-400 feet | 25 |

Notes: For most roadways, at-grade crossings are appropriate. Allowed moves and spacing requirements may be more restrictive than those shown to optimize capacity and safety. Any access to a State Highway requires a permit from the ODOT District Office. Access will generally not be granted where there is a reasonable alternative access.

Transportation Systems Management (TSM)

TSM focuses on low cost strategies to enhance operational performance of the existing transportation system. Measures that can optimize performance include intelligent transportation systems (ITS), intersection channelization, access management (as noted in prior section), incident response and various programs that enhance existing transit operations.

One of the tools that typically brings positive results is ITS. Incident detection and response along rural highways in Oregon has long been a concern for ODOT. ITS technologies such as cellular call-in services and mayday systems are currently in use and can effectively provide additional capacity without increasing the size of the facility. In some cases, public opposition to adding traffic lanes due to construction delays, as well as the overall public cost of building them, makes ITS an attractive alternative, with many more applications and technologies than just a short time ago.¹⁰

<u>Maintenance</u>

Preservation projects, maintenance, and operation are essential to protect the county's investment in transportation infrastructure. With increasing road inventory and the need for greater maintenance of older facilities, protecting and expanding funds for maintenance is critical.

A pavement management program is a systematic method of organizing and analyzing information about pavement conditions to develop the most cost-effective maintenance treatments and strategies. Pavement management can be a major factor in maintaining facilities in an environment of limited revenues. As a management tool, it enables public works to determine the most cost-effective maintenance program. The concept behind a pavement management system is to identify the optimal rehabilitation time and to pinpoint the type of repair that makes which makes the most sense.

There are 750 miles (centerline mileage) of paved roads in Klamath County. The county chip seals all of the roads every 5 years. The county will forward the finance information and maintenance program to PB for inclusion in the TSP.

Modal Plans

The Klamath County modal plans have been formulated using information collected and analyzed through a physical inventory, forecasts, goals and objectives, and input from area residents. The plans consider transportation system needs for Klamath County during the next 20 years assuming the growth projections discussed in Chapter 5. The timing for individual improvements will be guided by the changes in land use patterns and growth of the population in future years. Specific projects and improvement schedules may need to be adjusted depending on where growth occurs within Klamath County.

Roadway System Plan

The improvements to the roadway system include projects from three primary sources:

- The Klamath Falls Urban TSP 1998;
- The Statewide Transportation Improvement Program, and
- Those identified from deficiencies in Chapter 4 of this document. All of the improvement alternatives appear in figures at the end of this chapter.

1. Klamath Falls Urban TSP, 1998

Projects identified in the 1998 Klamath Falls TSP, which relate directly to state facilities, are being carried forward in this TSP. These are as follows:

• OR 39: Summers Lane - Klamath Falls-Malin Hwy (Klamath Falls)

¹⁰ 1999 Oregon Highway Plan, ODOT.

- OR 39: Junction Klamath Falls Malin Hwy (Klamath Falls)
- OR 140 at Homedale Road (Interchange) (Klamath Falls)
- OR 66 at US 97 (Klamath Falls)
- Olene Extension from OR 39/140
- OR 140: Fish Lake Road {Great Meadows Snow Park} [Safety]

2. Statewide Transportation Improvement Program Projects

The Oregon Department of Transportation has a comprehensive transportation improvement and maintenance program that includes the entire State Highway System. The Statewide Transportation Improvement Program identifies all the highway improvement projects in Oregon. The program lists specific projects, the counties in which they are located, and their construction year. The final 2004-2007 Statewide Transportation Improvement Program identified several major highway improvements and bridge replacements in Klamath County as follows:

- OR 39: OC&E Railroad Over crossing Bridge (Dairy) [Replace bridge]
- OR 39/140: Western Lost River Diversion [Modernization]
- OR 140: Ritter Road Deer Run Road (Bly Mountain) [Modernization]
- OR 140: North Fork Little Butte Creek Grizzly Road [Pavement Preservation]
- OR 140: Modoc Billy Creek Fish Hole Creek (Beatty/Bly) [Pavement Preservation]
- OR 140: Grizzly Road Fourmile Flat Road [Pavement Preservation]
- North Entrance to the Volcanic Legacy {All-American Road} [Enhancement]
- Chemult Train Station Welcome Center Enhancement]

3. Deficiencies

In addition to the projects identified in existing state improvement programs, roadway and bridge projects have been identified as possible projects from those identified in Chapter 4.

IMPROVEMENT PROJECTS

This section describes potential improvements that address deficiencies in each element of the transportation system. Not all potential improvements have been carried forward; overall, these recommendations are based on costs and benefits relative to traffic operations, the transportation system and community livability.

The remainder of this section is organized into the following topics:

Road Improvement Alternatives

- Freight Improvement Alternatives
- Public Transportation Alternatives
- Bicycle/Pedestrian Network Improvements
- Future County Projects

Road Improvements

This section describes potential 20-year improvement projects that are primarily intended to improve safety and mobility. Each project is listed under its associated roadway; to the extent that these road improvements also improve freight, bicycle, and pedestrian mobility, they are indicated as such. All of the following roadway projects, along with the freight-related improvements, are shown together on Figure 7-3.

In Chapter 8, Finance, each of these listed improvement projects appears in Table 8-5, along with associated project costs and implementation strategies. Based on feedback from the TAC, each project is also given a priority rating of either High (0-6 years), Medium (6-14 years) or Low (14+ years); in the list that appears on the following pages, a priority ranking is indicated before the project description.

U.S. Highway 97

The following list shows these potential 20-year street improvements along with their priority rating (all figures appear at the end of this chapter). These improvements and associated project numbers are:

- **97-1.** (High) Worden Passing Lane: {Milepost 289.5 291.5} Construct a 1-mile passing lane; widen shoulders. Keno-Worden Road Left-Turn Refuge: {Milepost 289.25} Construct left-turn lane and widen shoulders.
- 97-2. (Medium) US 97 Modoc Point Algoma: Substandard shoulder widths/geometry; replace existing concrete barrier.
- **97-3.** (High) Left-Turn Refuge at major Truck Stop: {Milepost 280.2 280.7} Construct a left-turn refuge at the entrance to Truck Stop to improve access management and safety conditions.
- 97-4. (High) Klamath Falls Port of Entry: Relocation and North Wocus Road Realignment: {Milepost 271.25 - 270.0} Close South Wocus Road, reconnect South Wocus Road north of the continuous left-turn refuge on US 97; reconstruct northbound on-ramp at Klamath Falls Port of Entry. Reconstruct North Wocus to 90 degrees with US 97 road realignment. South Wocus Road-North Shady Pine {Milepost 271.27 - 267.08} Widen shoulders to 8' and add guardrail.
- 97-5. (Low) US 97: MP 230 MP 235 (Spring Creek): Construct 1-mile passing lane.
- **97-6.** (Low) Interchange Junction Hwy US 97 & Hwy OR 58: Realign U.S. Highway 97 south to Highway 58 West off-ramp; improve safety conditions.

- 97-7. (Medium) Hackett Dr Gilchrist Passing Lanes (formerly LaPine Crescent): {MP 181.0 – MP 183.0} Construct 1-mile passing lanes and widen shoulders.
- **97-8.** (Medium) Kla-Mo-Ya Casino: This TSP lays out the basic needs at this intersection; future updates of this TSP should examine the feasibility, timing, and type of interchange.
- **97-9.** (Medium) Bear Flat Road Left-Turn Refuge: {Milepost 227.25 227.75} Construct left-turn refuge and right deceleration lane, widen shoulders.
- **97-10. (High) Chemult Train Station Welcome Center:** this enhancement project is listed in the 2004-2007 STIP and is scheduled to begin construction in 2007.

Oregon Highway 39

- **39-1.** (High) Hwy **39 Summers Lane Klamath Falls/Malin Hwy:** Shoulder widening, reconstruct left-turn refuges, and reconstruct continuous left-turn refuge. Construct sidewalks, curbs, storm system at Henley Schools, reconstruct highway at BNSF and BOR Aqueduct for vertical clearance. Replace culverts on main BOR ditches and canals.
- 39-2. (Medium) Hwy 39 & Hwy 140 Interchange: Construct interchange at Hwy 39/ Hwy 140. Project to connect Southside Expressway *(See project #140-2 under Oregon Highway 140 projects).
- **39-3.** (Low) Merrill Passing Lanes: {Milepost 9.0 11.0} Construct passing lanes and widen shoulders.
- **39-4.** (Medium) OR 39/140: Western Lost River Diversion (Klamath Falls): Rebuild roadway including shoulders, widen aqueduct; lower grade at RR crossing.
- **39-5.** (Medium) OR 39: OC&E Railroad Over crossing Bridge #02147 (Dairy): Replace bridge.

Oregon Highway 62

- **62-1.** (Medium) Loosely Road Left-Turn Refuge: Construct left-turn refuge and widen shoulders.
- 62-2. (Low) Junction Chiloquin Hwy 422 Left-Turn Refuge: Construct left-turn refuge and widen shoulders for improved safety and enhanced access to Hwy 422.

Oregon Highway 140

- 140-1. (High) Klamath County Boat Marina-Lakeshore Drive (Near Doak Mtn): {Milepost 57.0 - 62.3} Widen shoulders to 8 feet; install guardrail; minor realignment to include flatten curves to eliminate detours for oversized loads.
- 140-2. (High) Southside Expressway Olene Extension: Construct a new alignment from the junction at Highway 39/Highway 140 to Olene (approximately 4 miles of new highway); reconstruct 1 mile of Reeder Road; construct a new bridge over BOR Lost River Canal; refurbish one bridge over BOR B Canal; add new guardrail and complete signage.
- 140-3. (Medium) Left-Turn Refuge at Fish Lake Road plus Passing Lanes: Construct left-turn refuge and realign Fish Lake Road. {Milepost 31 33} Construct one-mile passing lane, widen shoulders and install standard guardrails.
- 140-4. (Medium) Left-Turn Refuge at Great Meadows Snow Park: Construct left-turn refuge.
- 140-5. (High) Ritter Road Deer Run Road (Bly Mtn): {Milepost 25.17 32.56} Reconstruct and realign the highway; widen shoulders; add guardrail; construct climbing lane on eastside; left-turn refuge at Bly Mountain Cutoff Road. (Project Scheduled for 2008).
- 140-6. (Medium) Dairy to Olene: Correct substandard curves.
- 140-7. (Low) Spring Creek Sycan Marsh: Correct curves; install guardrail.
- 140-8. (Medium) OR 140: Stevenson Co. Park "E" Canal: the existing curves in this section of highway do not meet current design standards, and would be addressed by realignment of the highway, construction of a deceleration lane for right turns into N Poe Valley Rd and extension of N Poe Valley Rd to match the new State Highway alignment. Source: Klamath Falls Project Office.
- 140-9. (High) Homedale Road Interchange: Construct interchange; interim traffic signal.
- 140-10. (Low) Grizzly Road-Fourmile Flat Road (Lake-of-the-Woods): {Milepost 43.5 42.5} Construct 1-mile passing lane. Widen shoulders to 8 feet and flatten slopes.

- 140-11. (Low) Olene-Swan Lake Road: {MP 8.0-MP 15.0} Widen shoulders, guardrail, flatten and realign curves, right lane deceleration lane at S Poe Valley Road; right deceleration lane at N Poe Valley Road.
- **140-12.** (High) Beatty Curves/Realignment and Shoulder Widening: {MP 41-MP 45} Flatten curves, realign highway, widen shoulders, reduce the number of trees on the south side of the roadway to improve sight distance.
- 140-13. (Low) Left-turn refuge at Varney Creek Road: Construct left-turn refuge and realign Varney Creek Road.

Oregon Highway 66

- 66-1. (Medium) Oregon Highway 66 at US 97: Interchange improvement add loop ramp to eliminate left turns.
- 66-2. (Low) Oregon Highway 66-Kern Swamp Road Klamath River Bridge: {Milepost 53.64 – 50.26}. Reconstruct highway, realign curves, widen shoulders, and add guardrail and left-turn refuge at Clover Creek Road.
- 66-3. (Medium) Keno-Worden Road: Left-turn refuge.

Oregon Highway 58

- 58-1. (Low) OR 58: Replace old, narrow railroad bridge
- 58-2. (Low) OR 58: Diamond Peaks development: upgrade road width/turn-lanes.
- 58-3. (Low) OR 58: Left-turn refuge for Mowich.

FREIGHT IMPROVEMENTS

<u>Truck Routes</u>

The movement of freight through Klamath County is heavily dependent on the highway system, and US 97 is the most important roadway in the county with respect to trucks. In addition, a primary issue in the county regarding freight movement is the required out-of-direction travel on Oregon Highway 140 West.

Due to the substandard curvature of OR 140 near Upper Klamath Lake, trucks entering the county from the west are forced to detour north in a circuitous manner to get onto US 97. Klamath County recognizes the importance of OR 140 as an east-west freight route across the state; in keeping with Goal 6 of this Plan, this TSP recommends the following actions:

Oregon 140, from Lake to Jackson County, should be designated as a State Freight Route; in addition, Oregon 39 should be designated as a State Freight Route from Hwy 140 to the California border.

There are pros and cons associated with designating routes as freight routes; areas to consider include the following: on the positive side, there is a commitment from the Oregon legislature to consider freight issues in the state project selection process, which could potentially mean earmarked monies for future freight projects. Furthermore, designating a route as a freight route does not necessarily mean that truck volumes would increase, but in the case of Klamath County, the designation is proposed for routes that already experience a relatively high volume of truck traffic.

In contrast, freight route designation on a state facility would mean that the maximum V/C ratio would decrease by about 0.05 (or 5 percent less congestion allowed), which in Klamath County would likely have few implications because of the already low traffic-volumes on the highway system. Most important to consider is the fact that a freight route designation would affect highway design standards in a number of ways. Certainly cost implications would range from minor to substantial. Two of the more significant considerations deal with the physical characteristics of the roadway, those being travel lane width, and truck accommodation. A freight route designation would likely require a wider standard travel lane; and the issue of accommodating trucks could lead to major roadway work with potential environmental impacts.¹¹ Designation of freight routes will need to be carefully considered.

The freight improvements included in this modal plan have been grouped with the roadway improvement alternatives (see Figure 7-3), as several projects include passing lanes, which will enhance freight mobility.

FUTURE PROJECTS (BEYOND THIS TSP PLANNING HORIZON)

During the planning process, several capital improvement projects in the county were identified, though these particular projects are more conceptual in nature and are beyond the 20-year planning horizon of this TSP. The following conceptual projects were acknowledged by the Transportation Advisory Committee and therefore are included in this TSP for future consideration; these should be carried forward to future updates of county plans, so that if/when funding becomes available these projects can be prioritized accordingly. Future updates of this TSP should examine funding options that would be reasonably expected to be available to Klamath County and ODOT.

Width constraints on US 97: As US 97 becomes a more popular and favored West Coast truck route, the current two-lane configuration around Upper Klamath Lake (from Modoc Point to Hagelstein Park – 6-mile section) makes future roadway widening extremely difficult and costly. If the highway were widened to the west, a viaduct would likely be required due to the existing railroad. To the east, major challenges exist in the form of an unstable hillside that is scattered with early Native American village sites, which, upon disturbance, would immediately cease any project work and require substantial excavation and documentation. However, if this segment remains only two lanes, it would essentially be the sole bottleneck on nearly 325 miles of

¹¹ Freight Route Analysis Project – Frequently Asked Questions, ODOT, December 14, 2004.

highway. Some additional options to consider for widening US 97 in a 20- to 50-year timeframe include the following (each listed project is estimated to have a construction value of roughly \$200-\$300+ million):

- Realign highway over the top of the hill on existing ROW.
- Drop the highway down to the railroad level.
- Construct a two-lane causeway over the lake to parallel the existing roadway, which would accommodate southbound traffic; northbound traffic on existing alignment.
- Deck the highway for northbound over and southbound below.
- Existing road-cuts near the existing alignment could be pieced together to arrive at a 4-lane roadway.

With respect to future funding for the US 97 conceptual projects listed above, perhaps as an update to future TSP's or other Planning documents, the Oregon Transportation Commission suggests the following:

A study regarding the economic feasibility of adding capacity to US 97, whereby the added lanes would function as a toll facility; adding capacity to US 97 will be necessary to offload the burden on the portion of Interstate 5 between Eugene and the California border. An investigation into the feasibility of a public/private partnership should also be undertaken as part of future TSP updates. Irregardless of the final agreed upon solution for US 97, widening this 6-mile segment to 4 lanes is one of the biggest challenges facing ODOT and the county.

South Algoma Intersection: Another long-term project to consider in subsequent updates of the Klamath County TSP: Moving this intersection north will be a major undertaking that would require a bridge to traverse an adjacent irrigation pond.

North End of Shady Pine Road (at US 97): An additional long-term project to consider in this TSP, and to carry forward in subsequent updates of the County TSP: County has had recent, preliminary discussions with Klamath Pacific regarding their interest in giving the county right of way just south of their project so the county could bring Shady Pine straight over to connect with US 97 to a T-intersection; this would allow the intersection to be completely improved, and left-turn refuge from US 97 provided. The remaining portion of Shady Pine would then be vacated and Klamath Pacific could use the remaining area for its inventory.

Spring Lake Road and Old Midland Road: construct a left turn refuge.

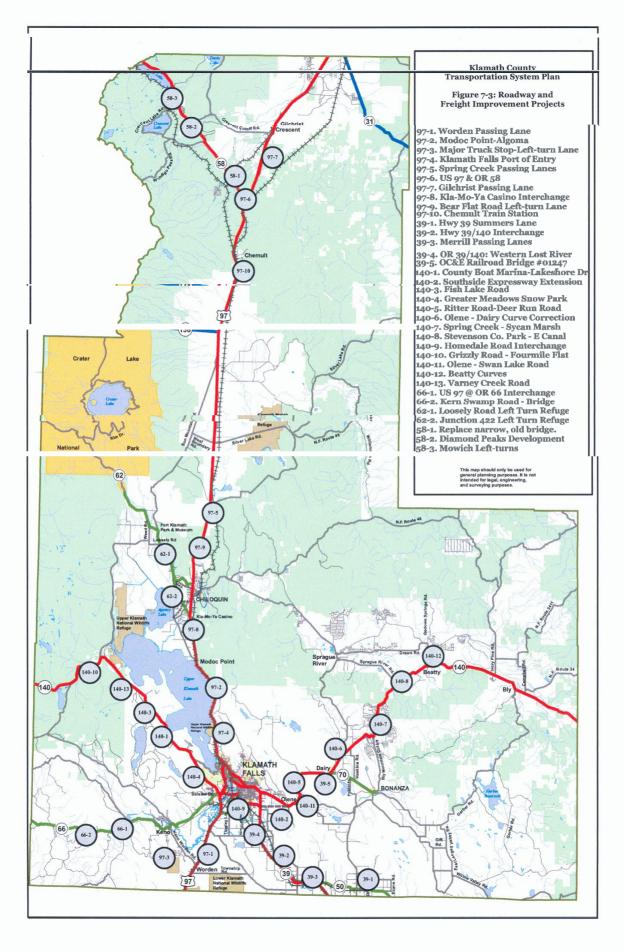
The following four road widening projects should be considered when the county turns its attention to Oregon Highway 140 west. Along Upper Klamath Lake (*see project #140-1 on page 7-18) there is a narrow section that forces wide-loads to detour off of 140 and travel north in a circuitous manner on these 4 roads as shown. It is recommended that these roads be improved to more efficiently handle freight traffic, or improve OR 140 to eliminate the required detour.

Westside Road: widen roads (detour) Sevenmile Road: widen roads (detour) Weed Road: widen roads (detour) Loosely Road: widen road (detour)

Klamath County Transportation System Plan Chapter 7 – Modal Plans Interchange at Highways 97/140/66: this interchange will become obsolete in the next 20 years as Klamath County continues to grow. The current configuration of this interchange is inefficient and substandard; however, it will also be very costly to upgrade to a grade-separated, free-flowing highway interchange. Options for funding this project should be explored and studied in the years to come and this project should be prioritized in future updates of this Plan.

Interchange at Running Y Road: In the future, this intersection will need either major widening or a grade-separated intersection to accommodate increasing traffic. Options for funding this project should be explored and studied in the years to come and this project should be prioritized in future updates of this Plan.

Interchange at Kla-Mo-Ya Casino (project #97-8): In the future, this intersection will need either major widening or a grade-separated intersection to accommodate increasing traffic. Options for funding this project should be explored and studied in the years to come and this project should be prioritized in future updates of this Plan. Preliminary estimates for a partial-diamond intersection at this location are on the order of roughly \$15 million.



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PUBLIC TRANSPORTATION

Basin Transit has six fixed-routes which provide transit service for the Klamath Falls urbanized area.

In the future, additional transit service should be oriented to:

- Klamath Tribes in Chiloquin
- Parks and athletic fields, and senior housing facilities
- Oregon 140 as Pine Valley and other developments occur
- Park-and-Ride lots (Peak-hour associated)

Currently, there are no plans for expanding service beyond the District boundaries (which are essentially the same as the UGB boundaries). Basin Transit's service concentration is presently on improvements that offer better service to existing customers and/or expansion to meet anticipated needs due to growth or shifting population patterns. Local developments such as Pine Valley, among others, suggest future needs for the District to expand or offer additional peak-hour service on Oregon 140 West.

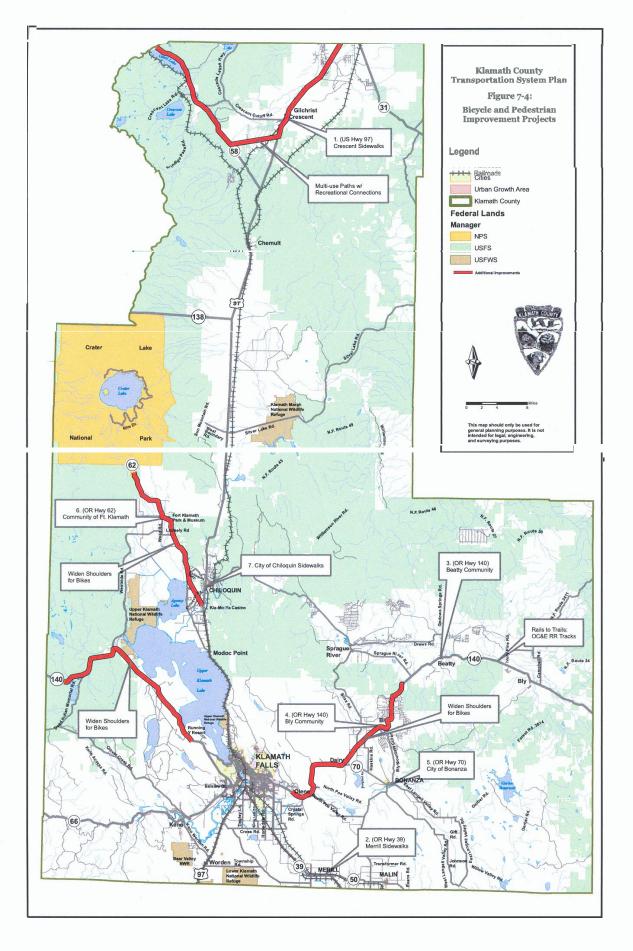
Service to outlying areas of the county may eventually be implemented, particularly if fuel prices continue to escalate. Basin Transit's recent experience (out-of-county bus service funded by ODOT through the Senior Center) and additional studies have indicated that the use of such service would not justify the expense at this time. Park-and-Ride work trip services, for example, may be considered in the future.

BICYCLE AND PEDESTRIAN NETWORK

Due to the small number of bicycle facilities in Klamath County, there is little connectivity between the county bikeways, though a number of bicycle amenities are present. Similarly, there are few facilities connecting residential neighborhoods to commercial areas and schools for local travel. In the future, bike facilities should be provided on major north-south, and east-west roads for overall connectivity in the bicycle network, as feasible.

In some areas of the county, sidewalks provide only limited access to commercial areas and employment sites; on the arterial and collector street system, sidewalks are discontinuous and incomplete, and many roads lack sidewalks altogether. In the future, sidewalks should be constructed on all local streets to facilitate pedestrian activity. Potential bicycle and pedestrian-related improvement projects have been grouped together for this TSP and are listed below; they are also shown in Figure 7-4.

- 1. Crescent-Gilchrist Sidewalks (U.S. Highway 97): Install ADA crossing; construct new sidewalk in the curb area; and re-construct the sidewalk/curbs as necessary.
- 2. Merrill Sidewalks (Oregon Highway 39): Install ADA crossings; construct new sidewalks in current gutter sections; replace curb as necessary; and reconstruct sidewalk as necessary to improve access management.



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- 3. Beatty Community (Oregon Highway 140): Widen shoulder to 8 feet within the community on both sides of Hwy 140 to facilitate better pedestrian circulation.
- 4. City of Bonanza (Oregon Highway 70): Widen shoulders on both sides of highway to 8 feet for pedestrian circulation; construct from Horseshoe Irrigation to Harpold Road.
- 5. Community of Fort Klamath (Oregon Highway 62): Construct sidewalks in curb areas and provide ADA crossings.
- 6. City of Chiloquin (Oregon Highway 422): Construct sidewalk, curbs, and storm system from railroad tracks to Tribal Center.

INTELLIGENT TRANSPORTATION SYSTEMS

Intelligent Transportation Systems (ITS) include diverse technologies, ranging from information processing and communications to traffic control devices and electronics. These technologies were first introduced as a means of resolving the conflict between increasing travel demand and insufficient transportation infrastructure. The benefits of ITS strategies have become apparent to transportation departments across the country, and safety advantages have taken center stage as the major focus of many ITS programs.

Today, ITS is a collaborative effort that seeks to develop coordinated technologies to improve the efficiency of surface transportation through better informed drivers, improved traffic controls, information technology and electronic systems. ITS technologies are applied to vehicles and roadways that perform communications, data processing, traffic control, navigation and various other functions. The United States Department of Transportation (USDOT) has defined integration "links" connecting the various features of ITS infrastructure, and offers several components, some of which could be applicable to Klamath County¹²:

- Incident management
- Arterial management
- Transit management
- Electronic fare payment
- Electronic toll collection
- Emergency management
- Highway-rail intersections
- Regional multi modal traveler information

Intelligent Transportation System (ITS) Facilities

One of the few ITS facilities in the county is a changeable message sign (CMS) in the westbound lane of Oregon Highway 140 near the Running Y Resort, about 7 miles west of Klamath Falls. The balance of such facilities in the county are listed below:

<u>Hwy OR 140 West</u> Lake of the Woods - Camera and RWIS

¹² Metropolitan ITS Integration, A Cross-Cutting Study, FHWA/FTA, August 2002

Doak Mountain - Camera and RWIS (under contract to be completed in 2005) Butte Creek - RWIS/Ice Sign (under contract to be completed in 2005) Lakeshore Drive - VMS

Hwy OR 140 East Bly Mountain - Camera and RWIS

Hwy US 97 Green Spring Interchange - Camera Modoc Point - Camera and RWIS (under contract to be completed in 2005) Chemult - Camera

The use of ITS technologies and strategies must be planned at the regional level and developed to properly and efficiently define projects so that they build upon one another. Regional integration is important so that planning and deployment of ITS can take place in an organized and coordinated fashion. It is also important that ITS solutions be implemented economically, in order to utilize public funds in a responsible manner. A regional ITS architecture illustrates this integration and provides the basis for planning the evolution of existing systems and the definition of future systems that facilitate the integration over time.

In Klamath County, the use of ITS could provide benefits to the roadway system and to overall safe travel throughout the county. Applicable components of the links listed above, with respect to the county, include incident and arterial management. There are a number of areas in the county that already have ITS components; following is a list of camera, automated signs, and variable message signs (VMS) for future implementation on the county road network:

Oregon Highway 140 West: Automated chain up signs: (Mileposts 21, 41, 51, and 57)

Oregon Highway 140 East: Automated chain up signs: (Mileposts 25, 33, and 62)

US Highway 97 (several locations): Midland Rest Area (KIOSK Center); Green Spring Interchange (VMS sign located south of Green Spring interchange for northbound traffic (Milepost 279)); Chiloquin interchange (VMS sign located north of Chiloquin interchange for southbound traffic (Milepost 248)); Sand Creek (camera and RWIS); Diamond Lake junction (VMS sign located south of Diamond Lake junction for northbound traffic); Oregon Hwy 58 junction (VMS sign located south of Oregon Hwy 58 junction for northbound traffic); Gilchrist (VMS sign located north of Gilchrist for southbound traffic); Chemult rest area (north and south bound - KIOSK Center).

Oregon Highway 58: Automated chain up signs in the following locations (Mileposts 86, 75, and at Crescent Cut-Off Junction)

RAIL STATION

Chemult Train Station Welcome Center (Project #97-10): This enhancement project will renovate the railroad station, construct restrooms, reconstruct platform and provide parking. (Project scheduled for construction 2007 – listed in 2004-2007 STIP).

Chapter 8. Finance

INTRODUCTION

This chapter describes various funding sources that could be used to meet the needs of the transportation system in Klamath County. Costs for individual elements of the transportation system plan are outlined and compared to potential revenue sources. Subsequently, options for balancing plan costs and revenues are discussed.

CAPITAL IMPROVEMENTS LIST

Order-of- magnitude cost estimates were developed for the projects identified in the roadway, bicycle, pedestrian and transit elements of this plan. Project costs were estimated using typical unit costs for transportation improvements, and do not reflect unique project costs such as significant environmental mitigation. Development of more detailed project costs (and additional financial analysis) could be prepared in the future as these projects are further studied and refined. Since many of the projects address multiple transportation modes (e.g., autos and bikes), projects costs were developed by project and include all elements of each relevant mode.

Table 8-1 is a summary of total capital cost by funding source. The last category is to be determined by Klamath County. The State of Oregon would be responsible for many of the roadways, bicycle facilities, and pedestrian facilities in the plan. The pedestrian projects are not included in Table 8-1 because a specific cost has not been determined for their construction. The total estimated cost for all projects excluding pedestrian walkways is about \$238 million in 2005 dollars. The County's share of these projects is about \$91 million from undetermined sources.

| Funding Source | Estimated Budget | Percent | |
|--|------------------|---------|--|
| 2004-2007 STIP | 26,275,000 | 11.0% | |
| Bridge Section | 5,230,000 | 2.2% | |
| Klamath Falls Project Office | 1,861,000 | 0.8% | |
| Klamath Falls TSP 7/98 | 73,049,543 | 30.7% | |
| Region Staff | 26,665,914 | 11.2% | |
| SCORP Hwy 140 corridor analysis (2001) | 2,413,000 | 1.0% | |
| Supplemental STIP | 5,916,036 | 2.5% | |
| TAC Meeting #5 | 5,680,000 | 2.4% | |
| тво | 90,800,000 | 38.2% | |
| Total | 237,890,493 | 100% | |

Table 8-1. Summary of Capital Improvements List by Funding Sources

To fund these projects the County likely will require additional revenue sources. A review of the County's current funding ability shows why new sources are needed.

| | Road | Bicycle Trails | KF Streets | Road Reserve | 2003 Combined | % of Revenues |
|------------------------------|--------------|-------------------|---------------|-----------------|------------------|------------------|
| Revenues | | | | | | |
| Fed Forest | 9,745,300 | | | | 9,745,300 | 61.9% |
| Mineral lease | 403 | | | | 403 | 01.3% |
| BLM Land Sales | 2,785 | | | | 2,785 | 0.0% |
| Motor Vehicle Appropriations | 3,235,670 | 32,684 | | | 3,268,354 | 20.8% |
| Drainage Dist Rev | 37,798 | 52,004 | | | 37,798 | 0.2% |
| Rent | 1,548 | | | | 1,548 | 0.2% |
| Miscellaneous | 1,040 | | | | 1,540 | 0.0% |
| Bond Receipts | 32,669 | | | | 32,669 | 0.0% |
| Gen. Fund Contrib. | 1,500 | | | | 1,500 | 0.2% |
| Park Contrib. | 300 | | | | 300 | 0.0% |
| Revolving Trust Fund | 292,075 | | | | 292,075 | 1.9% |
| Solid Waste Contrib. | 9,375 | | | | 9,375 | 0.1% |
| Weed Control Contrib. | 2,000 | | | | 2,000 | 0.0% |
| Sale of Property | 30,715 | | | | 30,715 | 0.2% |
| Trf-Elec/Bldg/Onsite | 375 | | | | 375 | 0.0% |
| Tr-Bicycle trails | 1,000 | | | | 1,000 | 0.0% |
| Interest on Investments | 329,345 | 3,638 | 43,551 | 1,946,104 | 2,322,638 | 14.7% |
| | | 0,000 | , | .,, | _,0,000 | /0 |
| Total Revenues | 13,722,858 | 36,322 | 43,551 | 1,946,104 | 15,748,835 | 100.0% |
| Expenditrues | | | | | | |
| Personal services | (3,268,240) | (1) | | | (3,268,241) | 20.8% |
| Materials & services | (6,873,405) | (806) | (150,000) | | (7,024,211) | 44.6% |
| Capital outlays | (779,870) | (67,792) | (467,212) | | (1,314,874) | 8.3% |
| Trsf. (from) to KF Streets* | (595,618) | | 595,618 | | 0 | 0.0% |
| Trsf. (from) to Road Reserve | (1,000,000) | | | 1,000,000 | 0 | 0.0% |
| Other & transfers | (512,189) | (1,000) | | | (513,189) | 3.3% |
| Total Expenditures | (13,029,322) | (69,599) | (21,594) | 1,000,000 | (12,120,515) | 77.0% |
| Net Revenues | 693,536 | (33,277) | 21,957 | 2,946,104 | 3,628,320 | 23.0% |
| Beginning Working Capital | 10,218,589 | 147,463 | 763,775 | 77,840,536 | 88,970,363 | |
| Ending Working Capital | 10,912,125 | 114,186 | 785,732 | 80,786,640 | 92,598,683 | - |

Table 8-2. Klamath County Combined Transportation Funds

Notes: *KF Streets is the City of Klamath Falls and their share of County federal timber receipts.

In fiscal year ending June 30, 2003, the County received about \$15 million from federal, state, and local sources of revenue, and it spent about \$12 million on repair, replacement, and improvements to existing roadways and bridges. The single largest source of revenue, about 62 percent of total revenue, is the County share of timber receipts from federally managed forests in Klamath County. This source of revenue fluctuates with timber sales that are affected by federal

forest management practices. As timber harvesting and timber prices fluctuate, so will Klamath County's timber receipts. The County shares these receipts with cities in the County. These receipts are at risk of decreasing for reasons well beyond the County's ability to control. Another significant and at risk source of revenue is interest on investments. The County invests idle-cash in interest bearing securities, and in 2003 these interest earnings amounted to over \$2.3 million, 15 percent of total receipts. The earnings are on cash reserves of approximately \$90 million. If the County spends these reserves, annual interest on investment also will decrease.

Klamath County owns and maintains 134 bridges. The transportation network is laced with bridges that link roadway sections, and these bridges are subject to storm damage and damage from daily usage. The County maintains a large reserve (\$70 million) for bridge repair and replacement.

Additional Funding Sources

System Development Charges

Oregon statutes permit Klamath County to charge each new real estate development in the County a transportation system development charge. The amount of the SDC is comprised of two fees—a reimbursement fee and an improvement fee. If the transportation system has excess capacity already built into it, then the County can calculate and charge a reimbursement fee to the new development. If no excess capacity exists, then the County may charge an SDC for roadways to be built that partially or wholly benefit future development.

The methodology to calculate the total SDC (with reimbursement and improvement fees) requires that each project in the capital improvement list be evaluated to determine how much benefit each proposed roadway improvement will benefit future development and determine a cost per future trip. In general terms, the SDC is the price one has to pay to purchase the capital assets needed to provide transportation services to a particular development. The amount that each new development pays varies proportionately with the amount of traffic the development is expected to produce.

In a perfect world where the county can precisely forecast future traffic, roadway capacity, and the cost of proposed projects, SDC charges will produce just enough money over time to pay the cost of building proposed roadways that benefit future developments. SDCs can provide a reasonable estimate of future capital costs and revenues resulting from growth.

Local-Option Motor Fuel Tax

The County could adopt a local option fuel tax that would be in addition to the federal and state motor fuel taxes. This type of tax is charged by a minority of cities and counties in Oregon, though they collect a significant amount of money for roadway improvements as shown in a 1997 survey summarized in Table 8-2.

| | | Tax Rate | Annual | |
|----------|---------------------|-----------|-------------|----------------|
| | | \$/gallon | Revenue | Gallons (Est.) |
| Cities | | | | |
| | The Dalles | \$0.03 | \$323,253 | 10,775,100 |
| | Tillamook | \$0.02 | \$115,000 | 7,666,667 |
| | Woodburn | \$0.01 | \$105,360 | 10,536,000 |
| Counties | | | | |
| | Multnomah | \$0.03 | \$7,857,000 | 261,900,000 |
| | Washington | \$0.01 | \$1,684,000 | 168,400,000 |
| | Klamath County Est. | \$0.01 | \$ 609,273 | 60,927,267 |
| | | | | |

Table 8-3. Local Option Gas Tax Revenues

Without knowing the amount of motor fuel pumped by service stations in Klamath County, one cannot accurately predict the amount of revenue it would generate at various tax rates. Using population to extrapolate the tax revenues realized in other counties, a rough estimate shows that a \$0.01 per gallon tax would produce about \$609,000 annually from service stations in Klamath County.

Bond Issues

Klamath County could issue tax-based bonds to construct projects on the capital improvement list. Voters would need to approve a general obligation bond at a general election. In odd numbered years, a double majority is required to approve a tax measure such as a bond. That is, a majority of voters would have to cast ballots, and a majority of those would have to approve the bond. In even numbered years only a majority of cast ballots is needed to approve a bond measure. Revenues from a general obligation bond could be used only for capital improvements including major repairs to roadways.

The County's current assessed value is \$3,678,911,175. It has been growing about 3.4% per year. A general obligation bond of \$1,000,000 repaid over a 20 year period at 5.5 % interest would require a tax of \$0.023 per \$1,000 of assessed value to pay annual debt service. A property (house) with an assessed value of \$150,000 would pay annual taxes of \$3.45 to pay debt service. The tax rate would decrease as assessed value increases. Growth in population and employment would distribute the fixed annual taxes over a broader base of tax payers, thus lessening the burden for all tax payers.

| Tax year | Assessed Value | Growth |
|-------------|----------------|--------|
| 2003 (est.) | 3,557,941,175 | NA |
| 2004 | 3,678,911,175 | 3.4% |

The County could ask voters to approve general obligation bonds periodically for a specific project or group of projects on the capital improvements list.

Another form of bonding is a serial levy in which voters approve a specific annual amount of taxes to be raised to fund construction of a particular project or set of projects. Each levy has a specific life, lasting up to 5 years. The drawback to this finance method is that projects can be funded only up to the amount of cash the County has in hand. Thus the County may need to levy the tax for 2 or 3 years before obtaining sufficient revenue to build a project. This source of bonding has most frequently been associated with operating expenses or major maintenance or repair projects. It also is considered to be part of the Constitutional property tax limit of \$10 per \$1,000 of assessed value. Depending upon the tax year and tax amounts by all taxing authorities on a particular property, the tax revenues may be compressed to less than the desired amount.

SUMMARY

The TSP capital improvements list identified \$238 million in projects of which \$91 million of projects will require new funding sources over the next 20 to 25 years. Most of the \$238 million of capital improvements will be paid with federal and state funding and with current County sources of revenue. Over time the County may consider adopting a system development charge, a local-option motor fuel tax, or use its bonding authority to borrow the money and repay it with new property tax assessments.

The County maintains a significant cash balance (approximately \$91 million) to account for the risks of lost timber receipts and of major damage to its 134 bridges.

| TSP Project Number | Project | Brief Project Description | Project Source | Categor y1 | Categor y2 | PE Estimate | ROWEsti mate | Total Estimate |
|-----------------------|---|---|--|-------------------|-------------------|--------------------|---------------------------------------|-------------------------|
| Costed/Funded | | | | | | | | |
| 140-4 | OR140 @ Fish Lake Road (Greater Meadow Snow Park) | Left turn lane. | 2004-2007 STIP | Operatio ns | | \$15,000. 00 | \$0.00 | \$377,000. |
| 140-5 | OR 140: Ritter Rd Deer Run Rd. (Bly Mt. Curves) | (MP 25.17-32.56) Reconstruct and realign Hwy, widen shoulders, guardrail, construct climbing lane on eastside, left-turn refuge at Bly Mtn Cutoff (project scheduled 2008). | 2004-2007 STIP | Moderni zation | 1 | | | \$7,800,00 .0 |
| 140-6 | OR 140: Olene - Dairy | Curve correction. | SCORP Hwy 140 study (2001) | Operatio ns | Safety | \$173,539 .00 | \$175,000. 00 | \$1,200,00 .0 |
| 140-7 | OR 140: Spring Creek - Sycan Marsh Rd | Install guardrail; curve correction | SCORP Hwy 140 corridor analysis (2001) | Moderni zation | | \$113,000 .00 | \$115,000. 00 | \$1,213,00 .0 |
| 140-8 | OR140: Stevenson Co. Park - "E" Canal | Realign highway and reconstruct roadway. | Klamath Falls Project Office | Moderni zation | | \$46,000. 00 | \$0.00 | \$1,161,00 .0 |
| 140-9 | OR 140 @ Homedale Rd. (Klamath Falls) | Interchange, interim traffic signal. | Klamath Falls TSP 7/98 | Moderní zation | Safety | \$0.00 | \$0.00 | \$9,000,00 .0 |
| 39-1 | OR39: Summers Ln Klamath Falls-Malin Hwy (Klamath Falls) | Realign intersection; Construct Canal Bridge; Install Signals. | Klamath Falls Transportation System Plan (7/98) | Moderni zation | | \$315,954 .00 | \$520,000. 00 | \$3,159,54 |
| 39-2 | Hwy 39 & 140 Interchange. | Construct interchange at Hwy 39 & 424; project to connect Southside Expressway Extension project. | Klamath Falls TSP 7/98 | Moderni zation | | \$0.00 | \$0.00 | \$9,000,00 0. |
| 39-4 | OR 39/140: Western - Lost River Diversion | Add signals; widen aqueduct; lower grade at RR crossing | 2004-2007 STIP | Modemi zation | | \$1,108,0 00.00 | \$3,000,00 0.00 | \$7,588,00 .0 |
| 66-1 | OR66 @ US97 (Kfalls) | Add loop ramp to eliminate left turns. | Kfalls TSP (1998) | Safety | Moderni zation | \$0.00 | \$0.00 | \$3,540,00 .0 |
| 66-2 | Kem Swamp Road - Klamath River Bridge | {MP 53.64-50.26} Reconstruct highway; realign curves; widen shoulders; guardrail; left-turn refuge at Clover Creek Road, guardrail and culverts. | Bridge Section | Bridge | | \$485,000 .00 | \$78,000.0 0 | |
| 97-2 | US97: Modoc Point - Algoma | This section of highway has narrow, substandard shoulder widths, substandard cut and fills slopes and unprotected hazards exist within the clear zone. The existing guardrail and guardrail end terminals need upgrades to current standards; the existing concrete barrier does not meet current road standards. | Supplemental STIP | Moderni zation | | \$591,603 .61 | \$50,000.0 0 | \$5,916,03 .1 |
| 97-3 | US97 @ Major Truck Stop | Left Tum Lane - half mile | Klamath Falls Project Office | Operatio ns | | \$28,000. 00 | · · · · · · · · · · · · · · · · · · · | *********************** |
| 97-4 | US 97: Klamath Falls Port of Entry (Klamath Falls) | (MP 271.25-MP 270) Close South Wocus Road, reconnect S. Wocus Road north to the continuous left-tum refuge on US 97, reconstruct northbound on-ramp at Klamath Falls Port of Entry. Reconstruct N. Wocus Road to 90 degreen with US 97 road realignment. South Wocus Rd - Shady Pine: widen shoulders to 8 feet, add guardrail. | Region Staff | Modemi zation | | \$0.00 | \$0.00 | \$3,500,00 .0 |
| 97-5 | US97: {MP 230 - MP 232} Spring Creek Passing Lane | Construct 1-mile passing lane; widen shoulders. | Region Staff | Moderni zation | | \$0.00 | \$0.00 | \$6,000,00 |
| 39-5 | OR 39: OC&E Railraod Overcrossing Bridge #02147 (Dairy) | Replace Bridge | 2004-2007 STIP | Bridge | | \$0.00 | \$0,00 | \$2,492,00 |
| 97-10 | Chemult Train Station Welcome Center | Enhancement Project | 2004-2007 STIP | Enhance ment | | | | \$310,000. |
| 140-3 | Left-Turn Refuge at Fish Lake Road plus Passing Lanes | Construct left-turn refuge and realign Fish Lake Road lane, widen shoulders and install standard guardrails. | . {Milepost 31 - Milepost 33} Construct one mi | | | | | [|

Table 8-5: Klamath County Needs Projects

Klamath County Transportation System Plan Chapter 8 – Finance

| TSP Project Number | Project | Brief Project Description | Project Source | Categor y1 | Categor y2 | PE Estimate | ROWEsti mate | Total Estimate |
|-----------------------|--|---|---|-------------------|---------------|------------------|-----------------|--------------------|
| 140-10 | Grizzly Road - Fourmile Flat Road (Lake-of-the- Woods) | {Milepost 43.5 - Milepost 47} Construct 1-mile passin | g lane. Widen shoulders to 8 feet and flatten slop | es. | | | | \$7,708,000 |
| 140-1 | Klamath County Boat Marina-Lakeshore Drive: | Milepost 57.0 - Milepost 62.3} Widen shoulders to 8 curves and remove wide-load detour to the north. | feet; install guardrail; minor realignment to include | flatten | | | | |
| 97-7 | US 97: Hackett Dr Gilchrist (formerly LaPine - Crescent) | {MP 181-MP 183} Construct 1-mile Passing Lanes; widen shoulders. | | Moderni zation | | \$171,591 .00 | \$0.00 | \$1,715,914 .00 |
| Not c | osted/Unfunded Projects In the TSP: | | | | | | | |
| 140-2 | Southside Expressway Extension | New alignment from the junction at Highway 39/High miles of new highway; reconstruct 1 mile of Reeder R reconstruct one bridge over USRS B Canal; add new | Road; construct a new bridge over USRS Lost Rive | | | | | \$48,350,00 C |
| 39-3 | OR 39: Merrill Passing Lanes | {MP 6.6-MP 8.6} Construct passing lanes; widen shoulders. | | | | | | \$5,950,000 |
| 62-1 | OR 62: Loosely Road left turn refuge | Construct left-turn refuge; widen shoulders. | | | | [| | \$450,000 |
| 62-2 | OR 62: Junction Chiloquin Hwy 422 Left turn refuge | Construct left-turn refuge; widen shoulders. | | | | | | \$450,000 |
| 97-1 | US 97: Worden Passing Lane/Keno-Worden Road Left-tum Refuge | {Milepost 289.5 - Milepost 291.5} Construct a one-mi | ile passing lane; widen shoulders. {Milepost 289.2 | 5} Constru | ct a northb | ound left-tun | n refuge; wide | |
| 97-8 | Kla-Mo-Ya Casino Interchange | Construct free-flowing interchange | Region staff | | | | | \$15,000,00 |
| 97-9 | Bear Flat Road Left-Turn Refuge | Left turn lane - half mile length | | | | | | \$800,000 |
| 140-12 | Beatty Curves/Realignment and Shoulder Widening | {MP 41-MP 45} Flatten curves, realign highway, wide | en shoulders, reduce the number of trees on the so | outh side o | the roadw | ay to improv | e sight distan | ce. |
| 140-13 | Left-turn refuge at Vamey Creek Road | Construct left-turn refuge and realign Varney Creek Road. | | | | | | \$450,000 |
| 140-11 | Olene-Swan Lake Road | {MP 8.0-MP 15.0} Widen shoulders, guardrail, flatten Valley Road. | n and realign curves, right lane deceleration lane at | t S. Poe Va | illey Road; | right decele | ration lane at | N. Poe |
| 66-3 | Keno-Worden Left-turn Refuge | Construct new left-turn refuge, widen shoulders. | Region staff | | | | | \$450,000 |
| 58-3 | Left-turn refuge at Mowich | Construct new left-turn refuge, widen shoulders. | | | | | | \$450,000 |
| 58-2 | OR 58: Diamond Peaks Development | Widen roadway; provide left-turn opportunity | TAC Meeting #5 | | | | | \$450,000 |
| 58-1 | OR 58: Replace narrow, old Railroad bridge | Replace bridge (Mike Stinson will get details) | TAC Meeting #5 | | | \$485,000 .00 | \$78,000.0 0 | \$5,230,000 .00 |
| 97-6 | Interchange Junction Hwy US 97 & Hwy OR 58: | Realign U.S. Highway 97 south to Highway 58 West | off-ramp; improve safety conditions. | | | | | \$40,000,00 0 |
| | Pedestrian Related Projects: | | | | | | | |
| 1 | Crescent-Gilchrist Sidewalks (U.S. Highway 97): | Install ADA crossing; construct new sidewalk in the of the sidewalk/curbs as necessary. | curb area; re-locate sidewalk obstructions; and re⊣ | construct | | | | \$670,000 |
| 2 | Merrill Sidewalks (Oregon Highway 39) | Install ADA crossings; construct new sidewalks in cureplace curb as necessary; and reconstruct sidewalk | | ons; | | | | \$1,340,000 |
| 3 | Beatty community (Oregon Highway 140): | Widen shoulder to 8 feet within the Community on bo install new sidewalks and curb ramps. | oth sides of Hwy 140; re-locate sidewalk obstructio | ns; | | | | \$710,000 |
| 4 | City of Bonanza (Oregon Highway 70): | Widen shoulders on both sides of highway to 8 feet f obstructions; install new sidewalks and curb ramps. | or improved pedestrian circulation; relocate sidewa | alk | | | | \$710,000 |
| 5 | Community of Fort Klamath (Oregon Highway 62): | Relocate sidewalk obstructions; install new sidewalks provide ADA crossings. | s and curb ramps; construct sidewalks in curb area | as and | | | | \$460,000 |
| 6 | City of Chiloquin (Oregon Highway 422): | Relocate sidewalk obstructions; install new sidewalk railroad tracks to Tribal Center. | s and curb ramps; replace curbs and storm system | from | | | | \$450,000 |

Klamath County Transportation System Plan Chapter 8 – Finance

Chapter 9. Implementing Policies and Ordinances

Full implementation of the TSP will also require selected amendments to the Comprehensive Plan for Klamath County and Land Development Code. The amendments are also intended to be consistent with the Oregon Transportation Planning Rule (TPR). Because the scope of the TSP does not include the Klamath Falls urban area, the focus of the proposed plan and code amendments pertains to:

- Rural portions of the county and urban areas for the remaining cities;
- Protecting street and road operations including implementing access controls and conditions on new development;
- Encourage alternatives to automobile use by providing safe and convenient pedestrian and bicycle circulation; and
- Reduced parking requirements where possible.

Two general types of plan and ordinance amendments address the transportation system and supportive land use: they are either required by the TPR, or they are recommended to enhance the performance of the transportation system for Klamath County. The recommended amendments should be considered for adoption in addition to the TSP. The majority of the TPR provisions that relate to the plan and ordinance amendments can be found in Section 660-12-0045 of the TPR.

9.1 Proposed Amendments - Comprehensive Plan for Klamath County

The comprehensive plan is generally consistent with the TPR and the TSP, however, there are several areas where the policy language should be clarified or strengthened. The recommended amendments are described below. Deleted text is shown with a strike through and new text is shown in **bold**.

| Goal 5, Policy 28 (p. 28) | The County shall encourage efficient energy design in and of proposed subdivisions by encouraging proper building energy-efficient design and orientation as well as efficient circulation for vehicles, pedestrians and bicyclists. |
|------------------------------|---|
| Goal 12, Policy 7 (p. 78) | The County-shall encourage, in coordination with local governments and ODOT, shall to improve the convenience and safety of pedestrian and bicycle transportation throughout the County. |
| Goal 13, Policy 1 (p. 81) | The County shall encourage the use of renewable and efficient energy sources in residential, commercial, and industrial development, as well as energy- efficient forms of transportation. |
| Goal 13, Policy 3 (p. 82) | New developments and neighborhoods that are large enough to support neighborhood-serving land uses (e.g., shopping centers, schools, parks) may be created, shall be encouraged to include such uses to reduce the need for long-distance trips. |

9.2 Proposed Amendments - Klamath County Land Development Code

The Land Development Code is generally consistent with the TPR and the TSP, however, there are several areas where the code language should be clarified or amended to comply with TPR requirements. The recommended amendments are described below. Deleted text is shown with a strike through and new text is shown in **bold**.

| 41.060 N. | Vehicular, pedestrian , and bicycle access and circulation as required by Article 71. Comment: This amendment is recommended to recognize other travel modes besides the automobile. |
|--------------|---|
| 45.060 D. 15 | Location, width and names of all existing and proposed roads on or adjacent to the property along with an analysis regarding how the proposed road system will promoted efficient vehicular, pedestrian, and bicycle circulation; Comment: In order to promote convenient access between developments, an evaluation should be made during the application review stage to determine feasible and desirable street and access connections between subdivisions and other land development. |
| 46.030 B. 5 | The street for the proposed subdivision will permit the development of adjoining land in a safe and efficient manner for vehicles, pedestrians, and bicyclists in accordance with the Comprehensive Plan and this code; Comment: This amendment is recommended to recognize other travel modes besides the automobile. |
| 62.040 | Front setbacks of 25 feet are required for the CN, CG, CR, and CT zones. This standard should be reduced to 0 to 5 feet. Comment: While creating a good pedestrian environment is not a TPR requirement, it is very difficult to attain between major streets and parking areas. People generally walk in these places because they have to because the want to. Required setbacks such as these encourage commercial development to have parking in the front and the building in the rear. New commercial development should at least be given the option of locating the building near the street with parking to the rear or side. |
| 68.030 | The off-street parking requirement for "Shopping Centers/Department Stores" of 5 spaces per 1,000 square feet of gross floor area should be reduced to 3 spaces per 1,000 square feet. Comment: Retail developers often want to have 5 spaces per 1,000 square feet, but this may be excessive for some types of commercial uses. The TPR encourages parking reductions where practical. |

| 68.030 | The following bicycle parking standards are recommended: 1 space per multiple family residence for project over 4 units; 1 space per classroom for primary and secondary schools; and 1 space per 10 required vehicle spaces for all other uses with a 2-space minimum. Comment: Bicycle parking is required by Section 660-12-0045 (3). These standards are intended to provide a minimum amount of bicycle parking recognizing currently low demand. It is recommended that the County focus on providing a modest number of well-designed and located facilities. |
|--------|--|
| 71 | Vehicular Access and Circulation. See the recommendations in Chapter 7. |
| 88.060 | The approval section should have an additional criterion related to circulation such as: G. Safe and efficient circulation shall be incorporated into the design for vehicles, pedestrians, and bicyclists to the extent practical. Comment: Destination resorts should be designed to encourage efficient travel, especially by walking and bicycling to reduce the need for automobile use while people are visiting the resort. |

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Appendices

Appendices

Appendix A – Klamath County Transportation System Field Inventory Appendix B – County Bridge Inventory Appendix C – ODOT-Owned Bridges in Klamath County Appendix D – ODOT Highway Road Conditions

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Appendix A – Field Inventory of Major County Roads

Klamath County Transportation System Field Inventory

| | | | | | | | | | | | | | VG | | | |
|-------------------------------|---|---|--------------------------------|-----------|------------------|-----------------|-------------------|----------------------|----------------------|---------------|----------------|-------------------------|---------------------|------------------------------|-----------|---|
| | | | 4 | | | | 0=none | 0=none | | | | 1=Freeflow | G F | 0 = State | | |
| | | | 1=esphait | | | | 1=paint | 1=lane 2=shoulder | 0=no | 0=no | 0=no | 2=Stop Sign 3=Signal | P | 1 = County 2 = Frst Serv. | | |
| | | | 2=portland concrete 3=other | • | | | 2=CLT 3=median | 2=shoulder 3=path | u=no 1=ves | u=no 1=yes | u=no 1=ves | 3=Signai 4≕Yleid | P VP | 2 = Fist Serv. 3 = Other | | |
| | 1 | · · · · · · | T | | | Dente 1 | | 5-paul | | T | 1-yes | 1 | - | | · · | 1 |
| Street Name | Street From | Street To | Surface Type | No. Lanes | School Zone | Posted Speed | Median Type | Bike Lane | On-Street Parking | Curbs | Sidewalk | Traffic Control | Street Condition | Jurisdiction | ROW width | Notes |
| Chiloguin HWY 422 | OR 62 | US 97 | | 1 | N | opeeu - | 1 | 2 | | 0 | 0 | 1 | G | | | Needs Speed limit signs |
| Chiloguin HWY 422 | US 97 | OR 62 | + + | 1 | | | 1 | 2 | | 0 | + ö | 2 | G | 0 | | Needs Speed limit signs |
| Chiloquin HWY 422 | US 97 | Chiloguln (town) | | 1 | | 40 | | 0 | - <u>ö</u> | ŏ | 1 õ | 1 | F | ň | | Heeds opeca limit signa |
| Chiloguin HWY 422 | Chiloquin (town) | US 97 | | 1 | 1 - N | 55 | 1 | | - <u>ö</u> | ŏ | Ď | 1 1 | F | ŏ | | |
| Crecent Lake HWY | IOR 58 | Crecent Lake RD | 1 1 | 1 | | | 1 | ő | ō | Ő | 1 õ | 1 1 | P | ō | | |
| Crecent Lake HWY | Crecent Lake RD | OR 58 | 1 | 1 | Ň | - | 1 | Ö | 0 | Ō | 0 | 2 | P | 0 | | |
| Market ST (Bonanza) | OR 70 | Bly Mountain Cutoff | 1 | 1 | N | 25 | 1 | 0 | 0 | 0 | 0 | 1 | F | 0 | | |
| Market ST (Bonanza) | Bly Mountain Cutoff | OR 70 | 1 | 1 | N | 25 | 1 | 0 | 0 | 0 | 0 | 1 | F | 0 | | |
| Midland HWY | US 97 | Tingley LN | 1 | 1 | N. | - | 1 | 0 | 0 | 0 | 0 | 1 | F | 0 | | |
| Midland HWY | Tingley LN | US 97 | 1 | 1 | N | - | 1 1 | 0 | 0 | 0 | 0 | 2 | F | 0 | | |
| OR 138 | US 97 | W. County Line | 1 | 1 | N | 55 | 1 | 2 | 0 | 0 | 0 | 1 | G | 0 | | |
| OR 138 | W. County Line | US 97 | 1 | 1 | N | 55 | 1 | 2 | 0 | 0 | 0 | 2 | G | 0 | | |
| OR 140 | E. County Line | Sprague River RD | 1 | 1 | N | 35,45,55 | 1 | 0 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 140 | Sprague River RD | E. County Line | 1 | 1 | N | 35,45,55 | 1 | 0 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 140 | Sprague River RD | Bliss RD | 1 | 1 | N | | 1 | 0 | 0 | 0 | 0 | 1 | F | 0 | | L |
| OR 140 | Bliss RD | Sprague River RD | 1 | 1 | N | - | 1 1 | 0 | 0 | 0 | 0 | 1 | <u> </u> | 0 | | |
| OR 140 | Bliss RD | Poe Valley RD S. | 1 | 1 | N - | <u> </u> | | 0 | 0 | 0 | 0 | 1 | F | 0 | | ┟─────┤ |
| OR 140 | Poe Valley RD S. | Bliss RD | 1 | 1 | N N | | | 0 | 0 | 0 | 0 | 1.3 | F | 0 | | |
| OR 140 | Poe Valley RD S. OR 39 | OR 39 (S. turn) | 1 | 1 | N | | | 0 | 0 | 0 | 0 | 1,3 | + <u>-</u> | 0 | | |
| OR 140 | Westward turn | Poe Valley RD S. OR 39 | 1 | 1 | | 45.55 | | 0 | | 0 | 0 | 3 | | | | |
| OR 140 | OR 39 | OR 39 | 1 | 1 | | 40,00 | | 2 | 0 | 0 | 0 | 1 | | 0 | | l |
| OR 140 | OR 55 | OR 39 | | 1 | <u>N</u> | 55 | | 2 | | | 0 | 2 | | 0 | | l · · · · · · · · · · · · · · · · · · · |
| OR 140 | OR 66 | Lakeshore Dr | 1 | 1,2 | N | 55 | | 2 | 1 õ | ő | Ö | 1 | 1 <u>-</u> | | | |
| OR 140 | Lakeshore Dr | OR 66 | | 1.2 | | | | 2 | | | <u>ö</u> | 2 | F F | + | | <u> </u> |
| OR 140 | Lakeshore Dr | Westside RD | l i | 1 | N N | | 1 1 | 1 õ | ō | ŏ | i õ | 1 1 | F/G | 0 | | |
| OR 140 | Westside RD | Lakeshore Dr | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 1 | F/G | 0 | | |
| OR 140 | Westside RD | W. County Line | 1 1 | 1 | N | 55 | 1 | 0 | 0 | 0 | 0 | 1 | G | 0 | | |
| OR 140 | W. County Line | Westside RD | 1 | 1 | N | - | 1 | 0 | 0 | 0 | Ō | 1 | G | 0 | | |
| OR 140 (turn S.) | OR 39 | Westward turn | 1 | 1 | N | 45,55 | 1 | 0 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 39 | S. County Line | OR 50 (KF Malin HWY) | | 1 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 39 | OR 50 (KF Malin HWY) | | 1 | 1 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 39 | OR 50 (KF Malin HWY) | | 1 | 1 | N | 30,45,55 | 1 | 0 | 0 | 0 | 0,1 | 1 | F | 0 | | |
| OR 39 | Main ST (in Merrill) | OR 50 (KF Malin HWY) | | 1 | <u>N</u> | 30,45,55 | 1 | 0 | 0 | 0 | 0,1 | 1 | F | 0 | | |
| OR 39 | Main ST (in Merrill) | Cross RD/Dehlinger LN | 1 | 1 | N | 45,50 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | ļ |
| OR 39 | Cross RD/Dehlinger LN | | | 1 | N | 45 | 1 | 2 | 0 | 0 | 0 | | F | 0 | | |
| OR 39 OR 39 | Cross RD/Dehlinger LN OR 140 (west turn) | OR 140 (west turn) Cross RD/Dehlinger LN | | 1 | N N | 55 55 | | 0 | 0 | 0 | 0 | | F | 0 | l | |
| OR 39 OR 39 | OR 140 (west turn) | Jnct OR 39/OR140 | 1 | 1 | | 45,55 | + + | 0 | 0 | 0 | 0 | 3 | | 0 | | <u> </u> |
| OR 39 | Jnct OR 39/OR140 | OR 140 (west turn) | 1 | 1 | | 45,55 | 1 1 | 0 | 0 | 0 | 0 | 1 | | 0 | l | ┥────┥ |
| OR 59 OR 50 (KF Malin HWY) | S. County Line | S. Malin RD (in Malin) | 1 | 1 | | 40,00 | 1 | 0 | 0 | 0 | 0 | | F F | 0 | · | <u>├</u> │ |
| OR 50 (KF Malin HWY) | | S. County Line | 1 | 1 | | 55 | 1 1 | 0 | | 0 | ö | 1 | F | 0 | | ┥────┥ |
| OR 50 (KF Malin HWY) | N. on Broadway | Market | <u> </u> | | t ÿ | 20 | <u>† i</u> | 2 | <u>+ ī</u> | 0 | ŏ | 1 1 | F | 0 | <u> </u> | + |
| OR 50 (KF Malin HWY) | Market | S. on Broadway | 1 1 | 1 | Ý | 20 | 1 | 2 | 1 1 | ŏ | ŏ | 1 1 | 1 | Ö | ··· | <u>├</u> ────┤ |
| OR 50 (KF Malin HWY) | Broadway (in Malin) | Harpold RD | 1 1 | 1 | Ý | 20,55 | 1 | 2 | 0 | Ō | 0 | 1 1 | Ġ | ő | i | |
| OR 50 (KF Malin HWY) | Harpold RD | Broadway (in Malin) | 1 1 | 1 | Ý | 20,30 | 1 1 | 2 | 0 | 0 | i õ | 1 | G | 0 | 1 | ····· |
| OR 50 (KF Malin HWY) | Harpold RD | OR 39 | 1 | 1 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | G | 0 | | |
| OR 50 (KF Malin HWY) | OR 39 | Harpold RD | 1 | 1 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | G | 0 | | |
| OR 58 | W. Odel Rd | Crecent lake Junc. | 1 | 1 | Ň | 55,45 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 58 | Crecent lake Junc. | W. Odel Rd | 1 | 1 | N | 55 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 58 | Crecent lake Junc. | Crecent Cutoff Rd | 1 | 1 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 58 | Crecent Cutoff Rd | Crecent lake Junc. | 1 | 1 | <u>N</u> | | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 58 | Crecent Cutoff Rd | US 97 | 1 | 1,2 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 58 | US 97 | Crecent Cutoff Rd | 1 | 1,2 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| OR 62 | | Chiloguin HWY 422 | 1 | 1 | N | | 1 | 2 | 0 | 0 | 0 | 1 | G | 0 | | L] |
| OR 62 | Chiloquin HWY 422 | US 97 | 1 | 1 | N | <u> </u> | <u>↓</u> ! | 2 | 0 | 0 | 0 | 1,2 | G | 0 | L | L |
| OR 62 | Chiloquin HWY 422 | Fort Klamath | 1 | 1 | N | 30,40 | 1 | 2 | 0 | 0 | 0 | 1 | F F | 0 | | |

| | | | | | | | | | | | | | | VC | | | |
|------------------------------------|--|---------------------------------------|----------|---------------|-----------|----------|----------------|---|------------|-----------|----------------|----------|-------------|------------------|----------------|---------------------------------------|----------------------------|
| | | | | | | | | 0=none | 0=none | | | | 1=Freeflow | VG G | 0 = State | | |
| | | | 1=asphal | It | | | | 1=paint | 1=lane | | | | 2=Stop Sign | F | 1 = County | | |
| | | | | nd concrete | • | | | 2=CLT | 2=shoulder | 0=no | 0=no | 0=no | 3=Signal | P | 2 = Frst Serv. | | |
| | | | 3=other | | | | | 3=median | 3=path | 1=yes | 1=yes | 1=yes | 4=Yield | VP | 3 = Other | | |
| | | | | | | School | Posted | Median | | On-Street | | | Traffic | Street | | | |
| Street Name | Street From | Street To | Surface | Туре | No. Lanes | Zone | Speed | Туре | Bike Lane | Parking | Curbs | Sidewalk | Control | Condition | Jurisdiction | ROW width | Notes |
| OR 62 | Fort Klamath | Chiloquin HWY 422 | | 1 | 1 | N. | 40,55 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| ÓR 66 | OR 140 | Orindale RD | | 1 | 1 | N | 35,45 | 1 | 1 | 0 | 0 | 0 | 1 | VG | 0 | | |
| OR 66 | Orindale RD | OR 140 | | 1 | 1 | N | 35,45 | 1 | 1 | 0 | 0 | 0 | 1 | VG _ | 0 | · · · · · · · · · | |
| OR 66 | Orindale RD | Keno Worden RD | | <u>1</u> 1 | | Y/N | 35,45,50,55 | 1 | 0.2 | 0 | 0 | 0 | 1 | F/G/VG F/G/VG | 0 | | |
| OR 66 | Keno Worden RD Keno Worden RD | Orindale RD W. County Line | | 1 | 1 | Y/N N | 35,50,55 55 | | 0,2 | | 0 | 0 | | G | 0 | | |
| OR 66 | W. County Line | Keno Worden RD | | 1 | 1 | | - 55 | | 0 | | | 0 | 1 | G | 1 0 | · · · · · · · · · · · · · · · · · · · | |
| OR 70 | OR 140 | Casebeer RD-Bonanza | <u></u> | 1 | 1 | N | 45,55 | | 0 | ň | 1 õ | ő | 1 | F | Ť | | · · · · |
| OR 70 | Casebeer RD-Bonanza | | | 1 | 1 | - N | 35,55 | 1 | ŏ | Ö | Ö | Ö | 2 | F | Ő | | |
| OR 70 | | Market ST (in Bonanza) | 1 | 1 | 1 | Ŷ | 25 | 1 | 2 | 1 | 0 | 0 | 1 | F | Ō | | |
| OR 70 | | Casebeer RD-Bonanza | | 1 | 1 | Y | 25 | 1 | 2 | 1 | 0 | 0 | 1 | F | 0 | | |
| US 97 | N. County Line | Crecent Cutoff Rd | | 1 | 1,2 | Ň | 40,55 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| US 97 | Crecent Cutoff Rd | N. County Line | | 1 | 1,2 | N. | 55 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| US 97 | Crecent Cutoff Rd | OR 58 | | 1 | 1,2 | N. | 55 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| US 97 | OR 58 | Crecent Cutoff Rd | | 1 | 1,2 | N | 40,55 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| US 97 | OR 58 | Chemult (town) | | 1 | 1,2 | N | 40,55 | 1 | 2 | 0 | 0 | 0 | + 1 | Р | 0 | | ļ |
| US 97 | Chemult (town) | OR 58 | | 1 | 1,2 | N | 55 | 1 | 2 | 0 | 0 | 0 | 1 | P F | 0 | | |
| US 97 | Chemult (town) Beaver Marsh (town) | Beaver Marsh (town) Chemult (town) | | <u>1</u> 1 | 1,2 | N N | 55 40,55 | | 2 | 0 | 0 | 0 | 1 | ┼╌╴╞┈╶╴ | 0 | | |
| US 97 US 97 | Beaver Marsh (town) | OR 138 | | 1 | 1,2 | | 50,55 | | 2 | | | 0 | | | | | |
| US 97 | OR 138 | Beaver Marsh (town) | | 1 | 1,2 | N | 50,55 | | 2 | l õ | | 0 | 1 | F | 0 | | - |
| US 97 | OR 138 | Silver Lake RD | | 1 | 1,2 | N | 55 | 1 1 | - 2 | | <u> </u> | ő | | F F | - ŏ | | |
| US 97 | Silver Lake RD | OR 138 | | 1 | 1,2 | N N | 55 | 1 | 2 | - O | Ŏ | 0 | 1 1 | F | Ő | | <u> </u> |
| US 97 | Silver Lake RD | Collier Mern. St. Prk | | 1 | 1,2 | N | 55 | 1 | 2 | l õ | 0 | 0 | 1 | F | 0 | | very few speed limit signs |
| US 97 | Collier Mem. St. Prk | Silver Lake RD | | 1 | 1,2 | N | 55 | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | very few speed limit signs |
| US 97 | Collier Mem. St. Prk | Chiloquin HWY 422 | | 1 | 1,2 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| US 97 | Chiloquin HWY 422 | Collier Mem. St. Prk | | 1 | 1,2 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | F | 0 | | |
| US 97 | Chiloguin HWY 422 | OR 62 | | 1 | 1,2 | N | 55 | 1 | 2 | 0 | 0 | 0 | 1 | G | 0 | | |
| US 97 | OR 62 | Chiloquin HWY 422 | | 1 | 1,2 | N | | 1 | 2 | 0 | 0 | 0 | 1 | Ģ | 0 | | |
| US 97 | OR 62 | Modoc Point (town) | | 1 | 1,2 | N N | 55 | 1 | 2 | 0 | 0 | 0 | 1 | G | 0 | ļ | |
| US 97 US 97 | Modoc Point (town) Modoc Point (town) | OR 62 N. Side of K. Falls | | 1 | 1,2 | N N | 55 | 1,2 | 2 | | 0 | 0 | | G | 0 | | |
| US 97 | N. Side of K. Falls | Modoc Point (town) | | 1 | 1,2 | N N | 50.55 | 1,2 | 2 | 0 | 0 | 0 | 1 1 | G | 0 | | 1 |
| US 97 | N. Side of K. Falls | OR 140 / OR 66 | | 1 | 1,2 | Ň | 50.55 | 1 | 2 | 1 õ | 1 õ | ő | 1 | Ğ | ŏ | | |
| US 97 | OR 140 / OR 66 | N. Side of K. Falls | | 1 | 1,2 | N | 50,55 | 1 | 2 | 0 | 1 0 | Ő | 1 1 | G | 0 | | |
| US 97 | OR 140 / OR 66 | Midland HWY | | 1 | 1,2 | N | - | 1,3 | 2 | 0 | 0 | 0 | 1 | G | 0 | _ | 1 |
| US 97 | Midland HWY | OR 140 / OR 66 | | 1 | 1,2 | N | - | 1,3 | 2 | 0 | 0 | 0 | 1 | G | 0 | | |
| US 97 | Midland HWY | Old Midland RD | | 1 | 1 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | G | 0 | | |
| US 97 | Old Midland RD | Midland HWY | | 1 | 1 | N | 55 | 1 | 2 | 0 | 0 | 0 | 1 | G | 0 | | |
| US 97 | Old Midland RD | Keno Worden RD | | 1 | 1 | <u>N</u> | 55 | 1 | 2 | 0 | 0 | 0 | . 1 | G | 0 | | |
| US 97 US 97 | Keno Worden RD | Old Midland RD | ļ | 1 | 1 | <u>N</u> | 55 | 1 | 2 | 0 | 0 | 0 | -+ | G | 0 | · | |
| US 97 | Keno Worden RD | S. County Line | [| <u>1</u> 1 | | N | 55 55 | 1 | 2 | 0 | 0 | 0 | | G | • | | - |
| US 97 Balsam DR | S. County Line OR 66 | Keno Worden RD W. Line of UGB | | 1 | 1 | NN | 35,55 | 1 1 | - 2 | | 0 | 0 | | G F | 0 | ··· | |
| Balsam DR Balsam DR | W. Line of UGB | OR 66 | | 1 | | N | 35,55 | <u> </u> | | | | 0 | 2 | l F | 1 | | |
| Bly Mountain Cutoff | Market ST (Bonanza) | OR 140 | | 1 | 1 | N | | | 0 | - o | 1 õ | 0 | 2 | F | 1 | | Needs Speed limit signs |
| Bly Mountain Cutoff | OR 140 | Market ST (Bonanza) | | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 1 | F | 1 | | Needs Speed limit signs |
| Carroll Ave (Bonanza) | OR 70 | switches to Harpold RD | | 1 | 1 | N | 25 | 1 | 0 | 0 | 0 | 0 | 1 | G | 1 | | |
| Carroll Ave (Bonanza) | switches to Harpold RD | OR 70 | | 1 | 1 | N | 25 | 1 | 0 | 0 | 0 | 0 | 2 | G | 1 | | |
| Cascade Lakes HWY | Crecent Cutoff Rd | N. County Line | | 1 | 1 | N | - | 1 | 2 | 0 | 0 | 0 | 1 | G | 1 | | |
| Cascade Lakes HWY | N. County Line | Crecent Cutoff Rd | | 1 | 1 | N | - | 1 | 2 | 0 | 0 | 0 | 2 | G | 1 | | |
| Chiloquin RD | Modoc Point RD | OR 62 | | 1 | 1 | N | | 1 | 0 | 0 | 0 | 0 | 2 | G | 1 | | Needs Speed limit signs |
| Chiloquin RD | OR 62 | Modoc Point RD | | 1 | 1 | N | • | 1 | 0 | 0 | 0 | 0 | 2 | G | 1 | | Needs Speed limit signs |
| Chiloquin RD | OR 62 | US 97 | | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | F | 1 | | Needs Speed limit signs |
| Chiloguin RD | US 97 | OR 62 | | 1 | 1 | . N | | 1 | 0 | 0 | 0 | 0 | 2 | F | 1 | | Needs Speed limit signs |
| Chiloquin RD Chiloquin RD | US 97 Chiloguin HMV 422 | Chiloquin HWY 422 | | 1 1 | 1 | N | 30,40 | 1 | 2 | 0 | 0 | 0 | 2 | G | 1 | | |
| Chiloquin RD Clover Creek RD | Chiloquin HWY 422 OR 66 | US 97 Dead Indian Memorial R | | 1 1 | 1 | N N | 40,55 | | 2 | 0 | 0 | 0 | 2 | G | 1 | | Needs Speed limit signs |
| Clover Creek RD Clover Creek RD | Dead Indian Memorial F | | | 1 | | N | - | | 0 | | 0 | 0 | 2 | | 1 | | Needs Speed limit signs |
| CIOVEL CIERK RD | Locau indian Memorial F | | | <u> </u> | <u>_</u> | I | 1 <u> </u> | مرجد ^{ال} ــــــــــــــــــــــــــــــــــــ | <u>~</u> | <u>_</u> | 1 0 | I V | 4 | | | | i meeus opeeu iimii signs |

| | | | | | | | | | | | | | | | | VO | | | |
|--|-------------------------------------|--------------------------------------|----------|---------------|------------|------------|----------|----------|-----------|-----|---|-------|----------|---------------|-------------|-----------|---------------|---------------------------------------|--|
| | | | | | | | | 0=none | 0=none | | | | | | 1=Freeflow | VG G | 0 = State | | |
| | | | 1=asphal | | | | | 1=paint | 1=lane | | | | | | 2=Stop Sign | F | 1 = County | | |
| | | | | d concrete | A | | | 2=CLT | 2=shoulde | ۶r | 0=no | 0=no | 0=no | | 3=Signal | P | 2 = Frst Serv | | |
| | | | 3=other | | | | | 3=median | 3=path | | 1=ves | 1=ves | 1=ves | | 4=Yield | VP | 3 = Other | | |
| · · · · · · · · · · · · · · · · · · · | | | T | | | School | Posted | Median | 1 | | On-Street | | Т | | Traffic | Street | | | |
| Street Name | Street From | Street To | Surface | Type | No. Lanes | Zone | Speed | Туре | Bike | ane | Parking | Curbs | Side | walk | Control | Condition | Jurisdiction | ROW width | Notes |
| Crecent Cutoff RD | OR 58 | Cascase Lks HWY | | 1 | 1 | N | 55 | 1 1 | 2 | | 0 | .0 | |) | 1 | G | 1 | | |
| Crecent Cutoff RD | Cascase Lks HWY | OR 58 | 1 | 1 | 1 | N | | 1 1 | 2 | | 0 | 0 | (| 5 | 2 | G | 1 | | |
| Crecent Cutoff RD | Cascase Lks HWY | US 97 | | 1 | 1 | N | 45,55 | 1 | 2, | | 0 | 0 | | | 2 | F | 1 | | |
| Crecent Cutoff RD | US 97 | Cascase Lks HWY | | 1. | 1 | N | 45,55 | 1 | 2, | | 0 | 0 | | , | 1 | F | 1 | | L |
| Cross RD | Spring Lake RD | OR 39 | | 1 | 1 | N | | 1 1 | 0 | | 0 | 0 | |) } | 2 | F | 1 | | |
| Cross RD Cross RD | Spring Lake RD Tingley LN | Tingley LN Spring Lake RD | | 1 | <u>├──</u> | N N | - | | 0 | | 0 | 0 | - | ,) | 1 | F | | | · |
| Cross RD | Tingley LN | US 97 | | 1 | 1 | N N | | | | | ő | ő | | 5 | 2 | Ġ | 1 1 | | <u> </u> |
| | US 97 | Tingley LN | | 1 | 1 1 | N | | 1 | | | ō | ō | <u> </u> | | 1 1 | Ğ | 1 | | |
| Cross RD (Lw.K. HWY) | OR 39 | Spring Lake RD | | 1 | 1 | N | - | 1 | Ċ | 1 | 0 | 0 | |) | 1 | F | 1 | | |
| Crystal Springs RD | S. Poe Valley RD | Reader RD | | 1 | 1 | N | - | 1 | Ú Ó | | 0 | 0 | | | 2 | F | 1 | | Needs Speed limit signs |
| Crystal Springs RD | Reader RD | S. Poe Valley RD | _ | 1 | 1 | N | - | 1 | 0 | | 0 | 0 | (| , | 1 | F | 1 | | Needs Speed limit signs |
| Dead Indian Memorial Memorial RD | W. County Line | Clover Creek RD | _ | 1 | 1 | N | <u> </u> | 1 | 0 | | 0 | 0 | | · | ļ | G | 1 | | ┟─────┤ |
| Dead Indian Memorial Memorial RD | Clover Creek RD | W. County Line | _ | 1 | 1 | N N | | 1 | 0 | | 0 | 0 | | | 1 2 | G | 1 | <u> </u> | <u>├</u> |
| Dead Indian Memorial Memorial RD Dead Indian Memorial Memorial RD | Clover Creek RD OR 140 | OR 140 Clover Creek RD | | 1 | | | | | | | 0 | 0 | + | · | 2 | G | 1 | 1 | ╂─────┤ |
| Dehlinger LN | Hill RD | OR 39 | | 1 | | N | | | | | 0 | 0 | | | 2 | G | | <u> </u> | |
| Dehlinger LN | OR 39 | HIII RD | _ | 1 | | N | | 1 1 | | | ŏ | 0 | |) | 2 | Ğ | -1 | 1 | <u> </u> |
| | OR 70 | Gerber RD | | 1 | 1 | N | • | 1 1 | 0 | | 0 | Ō | |) | 1 | F | 1 | | |
| E. Langell Valley RD | Gerber RD | OR 70 | | 1 | 1 | N | 25 | 1 | 0 | | 0 | 0 | | · | 2 | F | 1 | | |
| E. Langell Valley RD | Gerber RD | W. Langell Valley RD | | 1 | 1 | N | | 1 | 0 | | 0 | 0 | | · | 1 | F | 1 | | L |
| E. Langell Valley RD | | Gerber RD | - | 1 | 1 | N | - | 1 | 0 | | 0 | 0 | | <u>}</u> | 1 | F | 1 | | <u> </u> |
| Elder RD | Elder ST/Crane ST | Gerber Ranch RD Elder ST/Crane ST | _ | 1 | | N N | | | 0 | | 0 | 0 | | | 1 | | | | <u>+</u> |
| Ëlder RD Elder ST | Gerber Ranch RD OR 140 | Elder ST/Crane ST | | 1 | <u>├</u> | | 20.25 | 1 | | | 0 | 0 | | | | F | | | <u> </u> |
| Elder ST | Elder ST/Crane ST | OR 140 | | 1 | 1 | N | 20,25 | 1 | | | 0 | 0 | | <u>,</u> | 2 | F F | 1 1 | | |
| Gate RD | W. Langell Valley RD | E. Langell Valley RD | | 1 | 1 | Ň | | 1 | c | | 0 | Ő | | 5 | 2 | F | 1 | - | · |
| Gale RD | E. Langell Valley RD | W. Langell Valley RD | | 1 | 1 | Ň | - | 1 | C | | 0 | 0 | (| | 2 | F | 1 | | |
| Gerber Ranch RD | Elder RD | Nfd 375 Rd | | 3 | 1 | N | | 0 | 0 | | 0 | 0 | ` |) | 1 | VP | 1 | | |
| Gerber Ranch RD | Nfd 375 Rd | Elder RD | | 3 | 1 | N | - | 0 | · · · · · | | 0 | 0 | |) | 1 | VP F | 1 | | |
| Gerber RD Gerber RD | Nfd 3814 Rd E. Langell Valley RD | E. Langell Valley RD Nfd 3814 Rd | _ | 1 | | N | | 1 | | | 0 | 0 | |)) | 2 | | - 1 | | Needs Speed limit signs |
| Gift RD | W. Langell Valley RD | E. Langell Valley RD | | 1 | 1 | N | | | | | 0 | 0 | | 5 | 4 | Ġ | 1 | | <u> </u> |
| Gift RD | E. Langell Valley RD | W. Langell Valley RD | | 1 | | Ň | <u> </u> | 1 1 | | | ő | Ö | | 5 | 4 | G | 1 | | 1 |
| Harpold RD | Carroll Ave | S. Poe Valley RD | | 1 | 1 | N | - | 1 | | | 0 | 0 | (| כ | 1 | F | 1 | | |
| Harpold RD | S. Poe Valley RD | Carroll Ave | | 1 | 1 | N | - | 1 | 1 0 | | 0 | Ö | (| <u> </u> | 1 | F | 1 | | |
| Harpold RD | S. Poe Valley RD | S. County Line | _ | 1 | 1 | N | - | 1 | 0 | | 0 | 0 | |) | 1 | F | 1 | | Į] |
| Harpold RD | S. County Line | S. Poe Valley RD | | 1 | 1 | N. | | 1 | | | 0 | 0 | | <u>)</u> | 1 | F | 1 | | |
| HIII RD | Reader RD Dehlinger LN | Dehlinger LN Reader RD | | 1 | 1 | N N | - | | | | 0 | | | | | G | + + | | ╉━━━━━━━━━━━━━┫ |
| Hill RD | Dehlinger LN | OR 39 | | 1 | 1 1 | N N | 25 | + | 1 8 | | 0 | 0 | | , , | 2 | G | | | <u> </u> |
| HIN RD | OR 39 | Dehlinger LN | 1 | 1 | 1 1 | N | | 1 1 | | | 0 | 1 0 | | 5 | 1 | Ğ | 1 | | <u> </u> |
| Homedale RD | OR 140 | Henley RD | | 1 | 1 | Ň | - 1 | 1 | | | 0 | 0 | (|) | 2 | F | 1 | | |
| Homedale RD | Henley RD | OR 140 | | 1 | 11 | N | - | 1 | | | 0 | 0 | |) | 2 | F | 1 | | |
| Ivory Pine RD | Nfd 288 | OR 140 | | 1 | 1 | N | - | 1 | | | 0 | 0 | | 0 | 2 | F | 1 | 1 | Ļ |
| Ivory Pine RD | OR 140 | Nfd 288 | | 1 | 1 | N | - 35 | 1-1 | | | 0 | 0 | | <u>)</u> | 1 | F | | | |
| Keno Worden RD | OR 66 | US 97 | | <u>1</u> 1 | 1 | Y/N Y/N | 35 | 1 1 | | | 0 | 0 | <u>`</u> | 2 | 2 | G | | · · · · · · · · · · · · · · · · · · · | No 55mph signs No 55mph signs |
| Keno Worden RD | US 97 Closed for Winter | OR 66 Closed for Winter | | - | - | 1/N | - 35 | - | | | - | | | | | - | | | no compil signs |
| Lava Odell RD | Closed for Winter | Closed for Winter | | - | - | - | | | | | | | - | | - | - | | 1 | <u>† </u> |
| Loosley RD | OR 62 | Weed Rd | | 1 | 1 | N | - | 1 | 0 | | 0 | 0 | 1 0 | 0 | 4 | F | 1 | | Needs Speed limit signs |
| Loosley RD | Weed Rd | OR 62 | | 1 | 1 | N | - | 1 | 0 | | 0 | 0 | |) | 2 | F | 1 | | Needs Speed limit signs |
| Lower KI. Lake RD | Cross RD | Township RD | | 1 | 1 | N | - | 1 | 0 | | 0 | 0 | |) | 2 | F | 1 | | Needs Speed limit signs |
| Lower KI. Lake RD | Township RD | Cross RD | | 1 | | N | - | 1 1 | | | 0 | 0 | | <u>)</u> | 2 | F | 1 | | Needs Speed limit signs |
| Modoc Point RD | US 97 Chileguia BD | Chiloquin RD US 97 | | <u>1</u> 1 | 1 | N | - 35 | | | | 0 | | | <u>ט</u> ט | 1 2 | F F | 1 | - | ┥────┤ |
| Modoc Point RD Modoc Point RD | Chiloquin RD Chiloquin RD | US 97 OR 62 | | 1 | | | 35 | 1 1 | | | 0 0 | 0 | | <u>ן</u> ס | 2 | F F | | + | <u>+</u> |
| Modoc Point RD | OR 62 | Chiloguin RD | _ | 1 | 1 1 | N N | - | | | | ŏ | 0 | _ | <u>,</u> | 1 | F | 1 | | <u> </u> |
| N. Poe Valley RD | OR 140 | Bridge to Harpold RD | | 1 | 1 1 | Ň | | 1 | | | 0 | Ő | | 5 | 2 | G | 1 | | |
| | | | | | | | | • | · | | • | | | | · | · · · · · | <u> </u> | • | ·I |

| | | | 1=asphalt 2=portland concrete | | | | 0=none 1≃paint 2=CLT | 0=none 1=lane 2=shoulder | 0=no | 0=по | 0=no | 1≃Freeflow 2≂Stop Sign 3=Signal 4=Yield | VG G F P VP | 0 = State 1 = County 2 = Frst Serv. | | |
|----------------------------------|------------------------------------|------------------------------------|----------------------------------|-----------|------------|--------|----------------------------|--------------------------------|--|------------|----------|--|-------------------------|---|---------------------------------------|--|
| | I | | 3=other | | School | Posted | 3=median Median | 3=path | 1=yes On-Street | 1=yes | 1=yes | Traffic | Street | 3 = Other | | |
| Street Name | Street From | Street To | Surface Type | No. Lanes | Zone | Speed | Туре | Bike Lane | Parking | Curbs | Sidewalk | Control | Condition | Jurisdiction | ROW width | Notes |
| N. Poe Valley RD | Bridge to Harpold RD | OR 140 | 1. | 1 | <u>N</u> | - | 1 | 0 | 0 | 0 | 0 | 2 | G F | $\frac{1}{1}$ | | |
| Pine Grove | OR 140 | Miracle Dr | 1 1 | 1 | N | | | 0 | 0 | 0 | | 2 | | 1 1 | | |
| Pine Grove | Miracle Dr OR 140 | OR 140 | | 1 | <u> </u> | 45 | | 0 | 0 | 0 | 0 | 4 | G | <u> 1</u> | | |
| Reeder RD Reeder RD | Hill RD | OR 140 | + + -+ | 1 | N | 45 | | - <u>0</u> | 0 | 0 | | 2 | G | + | | |
| Red Fir RD | Nfd 288 Rd (N) | Nfd 288 Rd (S) | 1 1 | 1 | N | | | 0 | 0 | · č | ŏ | 1 | F F | | | |
| Red Fir RD | Nfd 288 Rd (S) | Nfd 288 Rd (N) | | 1 | N | | 1 | ŏ | ō | ō | ō | 1 1 | F | 1 | _ | |
| S. Merrill RD | S. County Line | OR 39 | | 1 | N | 25 | 1 | 0 | 0 | 0 | 0 | 1 | F | 1 | | |
| S. Merrill RD | OR 39 | S. County Line | 1 1 | 1 | N | 25 | 1 | 0 | 0 | 0 | 0 | 2 | F | 1 | | |
| S. Poe Valley RD | OR 140 | Harpold RD | 1 | 1 | N | | 1 | 0 | 0 | 0 | 0 | 4 | G | 1 | | |
| S. Poe Valley RD | Harpold RD | OR 140 | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | G | 1 | | |
| Seven Mile RD | Weed Rd | Westside RD | 1 | 1 | N | | 1 | 0 | 0 | 0 | 0 | 1 | F F | 1 | | Needs Speed limit signs |
| Seven Mile RD | Westside RD | Weed Rd | 1 | 1 | N | | 1 | 0 | 0 | 0 | 0 | . 4 | F. | 1 | | Needs Speed Ilmit signs |
| Short RD | OR 39 | Reader RD | 1 | 1 | N | - | + | 0 | 0 | 0 | 0 | 2 | G | 1 | L | |
| Short RD | Reader RD | OR 39 | 1 1 | 1 | N | - | 1 1 | 0 | 0 | 0 | 0 | 2 | G VG | 1 | 1 | Nooda Speed Kerkeler |
| Silver Lake RD | US 97 | Nfd 7633 Rd | | 1. | N N | | $\frac{1}{1}$ | - 0 | 0 | 0 | | $\frac{1}{2}$ | VG VG | 1 | | Needs Speed limit signs Needs Speed limit signs |
| Silver Lake RD | Nfd 7633 Rd | US 97 | | 1 | N | | | 0 | 0 | 0 | | | VG | 1 | | Needs Speed limit signs |
| Silver Lake RD Silver Lake RD | Nfd 7633 Rd E. County Line | E. County Line | | 1 | N | | | 0 | 0 | 0 | | | VG | + + | | · |
| Sprague River RD | Chiloquin (town) | Williamson River RD | 1 1 | 1 | N | | + | 0 | 0 | 0 | 0 | 1 1 | G/F | 1 | | Needs Speed limit signs |
| Sprague River RD | | Chiloguln (town) | | 1 | - N | 30 | 1 1 | 0 | | | 0 | 2 | G/F | 1 1 | | Needa Opeed IIInit algita |
| Sprague River RD | Williamson River RD | Lone Pine (town) | | <u> </u> | N | | | t ő – | - ŏ | 0 | 0 | 1 1 | G/F | 1 1 | | |
| Sprague River RD | Lone Pine (town) | Williamson River RD | | 1 | Ň | - | 1 1 | 0 | 0 | Ŏ | 0 | 1 1 | G/F | 1 | | |
| Sprague River RD | Lone Pine (town) | Bliss RD | 1 1 1 | 1 | Ň | 35.45 | 1 | 0 | Ö | ō | 0 | 1 1 | F | 1 | | |
| Sprague River RD | Bliss RD | Lone Pine (town) | 1 1 | 1 | N | 45,55 | 1 | 0 | 0 | 0 | 0 | 1 1 | F | 1 | | |
| Sprague River RD | Bliss RD | OR 140 | 1 | 1 | N | 45,55 | 1 | 0 | 0 | 0 | 0 | 2 | F | 1 | | |
| Sprague River RD | OR 140 | Bliss RD | 1 | 1 | Ň | 35,45 | 1 | 0 | 0 | 0 | 0. | 1 | F | 1 | | |
| Spring Lake RD | Cross RD (Lw.K. HWY) | | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | G | 1 | | |
| Spring Lake RD | Old Midland HWY | Cross RD | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | G | 1 | | |
| Spring Lake RD | Old Midland HWY | Joe Wright RD | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | G | 1 | | |
| Spring Lake RD | Joe Wright RD | Old Midland HWY | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | G | 1 | | <u> </u> |
| Tingley LN | Cross RD Midland HWY/Miller Is. | Midland HWY/Miller Is. Cross RD | 1 | 1 | N N | - | | 0 | | <u> </u> | 0 | 2 | G G | 1 | | · · · · · · · · · · · · · · · · · · · |
| Tingley LN Tingley LN | Midland HWY/Miller Is. | | 1 | 1 | | | 1 | .0 | <u> </u> | | 0 | 2 | F | | | · |
| Tingley LN | OR 140 | Midland HWY/Miller Is. | 1 1 | 1 | N | | | 0 | | 1 õ | 0 | 1 | F | | | |
| Township RD | US 97 | Lower KI. Lake RD | | 1 | N | - | 1 | l õ | 1 6 | 1 <u>0</u> | ő | 2 | F | 1 1 | | Needs Speed limit signs |
| Township RD | Lower KI. Lake RD | US 97 | | 1 | N | - | 1 | ō | 0 | ŏ | ŏ | 2 | F | 1 1 | | Needs Speed limit signs |
| Transformer RD | Harpold RD | N. Maline RD | | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | F | 1 | | <u>₽</u> |
| Transformer RD | N. Maline RD | Harpold RD | 1 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | F | 1 | | |
| W. Langell Valley RD | E. Langell Valley RD | Gale Rd (HotSprings) | 1 | 1 | N | - | 1 | 0 | 0 | 0 | Ö | 1 | F | 1 | | Needs Speed limit signs |
| W. Langell Valley RD | Gale Rd (HotSprings) | E. Langell Valley RD | 1 | . 1 | N | | 1 | 0 | 0 | 0 | 0 | 1 | F | 1 | | Needs Speed limit signs |
| W. Langell Valley RD | Gale Rd (HotSprings) | Harpold RD | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | F | 1 | | Needs Speed limit signs |
| W. Langell Valley RD | Harpold RD | Gale Rd (HotSprings) | 1 | 1 | N | | 1 | 0 | 0 | 0 | 0 | 1 | F | 1 | · · · · · · · · · · · · · · · · · · · | Needs Speed limit signs |
| Weed RD | Loose RD | OR 62 | | 1 | <u>N</u> . | ····· | | 0 | 0 | 0 | | 2 | F F | | | Needs Speed limit signs |
| Weed RD | OR 62 Seven Mile RD | Loose RD OR 140 | | 1 | N. | - | | 2 | 0 | 0 | - 0 | 2 | F G | | | Needs Speed limit signs Needs Speed limit signs |
| Westside RD Westside RD | OR 140 | Seven Mile RD | | 1 | N | - | + + + | 2 | 0 | 0 | 0 | 2 | G | + | | Needs Speed limit signs |
| Williamson River RD | Sprague River RD | Lone Pine RD | + | 1 | N. | | 1 | 0 | | 0 | 0 | | G | | | Needs Speed limit signs |
| Williamson River RD | Lone Pine RD | Sprague River RD | | 1 | Ň | - | 1 | 0 | | - ů | 0 | 2 | G | 1 1 | | |
| Williamson River RD | Lone Pine RD | Nfd 46 RD | | <u> </u> | Ň | - | 1 | ŏ | ŏ | - ŭ | | 1 1 | Ğ | | | |
| Williamson River RD | Nfd 46 RD | Lone Pine RD | 1 1 1 | 1 | N | | 1 | 0 | 0 | ő | ŏ | 1 1 | Ğ | 1 1 | 1 | |
| Willow Valley RD | E. Langell Valley RD | S. County Line | 3 | 1 | N | - | 0 | 0 | 0 | 0 | 0 | 1 1 | P | 1 1 | | |
| Willow Valley RD | S. County Line | E. Langell Valley RD | 3 | 1 | N | - | 0 | 0 | 0 | 0 | 0 | 4 | Р | 1 | | - |
| Willow Valley RD | S. County Line | E. County Line | 3 | 1 | N | | 0 | 0 | 0 | 0 | 0 | 1 | P | 1 | | |
| Willow Valley RD | E. County Line | S. County Line | 3 | 1 | N | - | 0 | 0 | 0 | 0 | 0 | 1 | Р | 1 | | |
| N.F. Route 27 | Nfd 46 RD | N, County Line | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 1 | F_ | 2 | | |
| N.F. Route 27 | N. County Line | Nfd 46 RD | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 1 | F | 2 | | |
| N.F. Route 27 | Nfd 46 RD | Transition to Red Fir | 1 | 1 | N | - | 1 | 0 | | 0 | 0 | 1 | F | 2 | | |
| N.F. Route 27 | Transition to Red Fir | Nfd 46 RD | | 1 | Ň | - | 1 | 0 | 0 | 0 | D | 1 1 | F | 2 | | L |

| | ÷ | | | | | | • | A | | | | 4- F | VG | 0 - 0-4- | | |
|---------------------------------------|-----------------------|-----------------------|---------------------|-----------|--------|----------|----------|------------|-----------|-------|----------|-------------|-----------|----------------|-----------|---------------------------|
| | | | | | | | 0=none | 0=none | | | | 1=Freeflow | 9 | 0 = State | | |
| | | | 1=asphalt | | | | 1=paint | 1=lane | | | | 2=Stop Sign | F | 1 = County | | |
| | | | 2=portland concrete | | | | 2=CLT | 2=shoulder | 0=no | 0=no | 0=no | 3=Signal | Р | 2 = Frst Serv. | | |
| · · · · · · · · · · · · · · · · · · · | | <u> </u> | 3=other | | | | 3=median | 3=path | 1=yes | 1=yes | 1=yes | 4=Yield | VP | 3 = Other | | |
| | | | | | School | Posted | Median | 1 | On-Street | | | Traffic | Street | | | |
| Street Name | Street From | Street To | Surface Type | No. Lanes | Zone | Speed | Туре | Bike Lane | Parking | Curbs | Sidewalk | Control | Condition | Jurisdiction | ROW width | Notes |
| N.F. Route 27 | Transit, From Red Fir | End (Nfd 30/Ivory Pn) | 1 | 1 | Ň | 1 | 1 | 0 | 0 | 0 | 0 | 2 | P/VP | 2 | | |
| N.F. Route 27 | End (Nfd 30/Ivory Pn) | Transit. From Red Fir | 1 | 1 | Ň | - | 1 | 0 | 0 | 0 | 0 | 1 | P/VP | 2 | | |
| N.F. Route 375 | Gerber Ranch RD | Nfd 3814 Rd | 3 | 1 | N | - | 0 | 0 | 0 | 0 | 0 | 1 | VP | 2 | | |
| N.F. Route 375 | Nfd 3814 Rd | Gerber Ranch RD | 3 | 1 | И | | 0 | 0 | 0 | 0 | 0 | 1 | VP | 2 | | |
| N.F. Route 3847 | Nfd 375 Rd | Gerber RD | 3 | 1 | N | - | 0 | 0 | 0 | 0 | 0 | 1 | VP | 2 | | COWS on the road! |
| N.F. Route 3847 | Gerber RD | Nfd 375 Rd | 3 | 1 | N | - | 0 | 0 | 0 | 0 | 0 | 1 | VP | 2 | | COWS on the road! |
| N.F. Route 46 | Williamson River RD | Nfd 288 Rd | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 1 | G | 2 | | |
| N.F. Route 46 | Nfd 288 Rd | Williamson River RD | 1 | 1 | N | | 1 | Ô | 0 | 0 | 0 | 1 | G | 2 | | |
| Cr. Lake N. HWY | Rim Drive | N. County Line | 1 | 1 | N | - | 1 | Ö | 0 | 0 | 0 | 1 | F | 3 | | |
| Cr. Lake N. HWY | N. County Line | Rim Drive | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 1 | F | 3 | | _ |
| OR 62 | Rim Drive | W. County Line | 1 | 1 | N | 45 | 1 | 0 | 0 | 0 | 0 | 1 | P/VP | 3 | | |
| OR 62 | W. County Line | Rim Drive | 1 | 1 | Ń | - | 1 | 0 | 0 | 0 | Ó | 1 | P/VP | 3 | | |
| Rim Drive | OR 62 | Rim Drive Fork | 1 | 1 | Ň | - | 1 | 0 | 0 | 0 | 0 | 1 | F | 3 | | Road paint BARELY visible |
| Rim Drive | Rim Drive Fork | OR 62 | 1 | 1 | N | 45 | 1 | 0 | 0 | 0 | 0 | 2 | F | 3 | | Road paint BARELY visible |
| Rim Drive | Rim Drive Fork | Visitor's Center | 1 | 1 | N | 15,25,35 | 1 | 0 | 0 | 0 | 0 | 1 | F | 3 | | Road paint BARELY visible |
| Rim Drive | Visitor's Center | Rim Drive Fork | 1 | 1 | N | 25 | 1 | 0 | 0 | 0 | 0 | 1 | F | 3 | | Road paint BARELY visible |
| John Wright RD | Tingley LN | Spring Lake RD | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 1 | G · | ? | | |
| John Wright RD | Spring Lake RD | Tingley LN | 1 | 1 | N | - | 1 | 0 | 0 | 0 | 0 | 2 | G | ? | | |
| OR 62 | Fort Klamath | Rim Drive | 1 | 1 | N | 55 | 1 | 0 | 0 | 0 | 0 | 1 | F | 0,3 | | |
| OR 62 | Rim Drive | Fort Klamath | 1 | 1 | N | 30,40 | 1 | 0 | 0 | 0 | 0 | 1 | F | 0,3 | | |

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Appendix B – County Road Inventory

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Appendix B – County Road Inventory

| | j | | | |
|------------------------|------------|-------|--------|------------|
| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
| ABILENE STREET | 594 | | 0.08 | |
| ADAMS POINT ROAD | 1099 | 2.59 | | |
| AIRWAY DRIVE | 880 | 1.12 | | |
| ALAMEDA AVE. | 866 | 0.60 | | |
| ALGOMA ROAD | 671 | 3.90 | | |
| ALLYN STREET | 849 | 0.06 | | |
| ALPINE DRIVE | 915 | 0.15 | | |
| ALT WAY | 731 | 0.15 | | |
| ALTADENA DRIVE | 752 | 0.13 | | |
| ALTAMONT DRIVE | 877 | 2.82 | | |
| ALVA AVENUE | 824 | 0.96 | 0.15 | |
| AMBER AVENUE | 798 | 0.14 | | |
| ANDREW DRIVE | 936 | 0.22 | | |
| ANDERSON AVE. | 874 | 1.19 | | |
| ANDERSON ROAD | 984 | 4.46 | 0.38 | |
| ANDERSON WAY | 871 | 0.23 | | |
| ANGLE STREET | 579 | 0.07 | | |
| ANKO COURT | 1046 | 0.04 | | |
| ANKO STREET | 1047 | 0.03 | | |
| ANTHONY STREET | 1002 | 0.00 | | |
| APPALOOSA COURT | 989 | 0.16 | | |
| ARANT ROAD | 523 | 0.10 | | |
| ARNOLD AVENUE | 716 | 0.20 | | |
| ARROYO COURT | 707 | 0.03 | | |
| ARTHUR STREET | 883 | 0.03 | | |
| ASH DRIVE | 908 | 0.01 | | |
| ASHLEY COURT | 908 757 | 0.02 | | |
| AURORA COURT | 527 | 0.03 | | |
| | 526 | | | |
| | | 0.23 | 0.00 | |
| | 884 | 0.80 | 0.09 | 0.40 |
| | 646 | 0.16 | | 0.10 |
| | 897 | 0.15 | 0.50 | |
| AVALON STREET | 835 | 0.50 | 0.50 | |
| | | | | |
| | 700 | 4.05 | | 0.44 |
| BALSAM DRIVE | 782 | 1.95 | | 3.11 |
| BARNES WAY | 841 | 0.15 | | |
| BARRY AVENUE | 856 | 0.69 | | |
| BARRY DRIVE | 583 | 0.14 | | |
| BARTLETT AVENUE | 829 | 0.38 | | |
| BEAL ROAD | 991 | 2.72 | | |
| BEAVER STREET | 595 | _ | 0.08 | |
| BECKTON AVENUE | 769 | 0.12 | | |
| BEDFIELD CEMETERY ROAD | 1356 | | 1.78 | |
| BEL AIRE DRIVE | 891 | 0.26 | | |
| BELLM DRIVE | 733 | 0.05 | | |
| BEVERLY DRIVE | 905 | 0.80 | | |
| | | | | |

| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|----------------------|------------------|-------|--------|------------|
| BISBEE STREET | 825 | 1.81 | | |
| BLACKBERRY COURT | 732 | 0.06 | | |
| BLISS ROAD | 1057 | 2.48 | | |
| BLUE MOUNTAIN DRIVE | 515 | 0.54 | | |
| BLY MOUNTAIN CUTOFF | | | | |
| ROAD | 1063 | 7.86 | | |
| BOARDMAN AVENUE | 1312 | 0.90 | | |
| BOEHM STREET | 626 | | 0.23 | |
| BOOTH ROAD | 524 | 0.75 | | |
| BRENNAN DRIVE | 601 | 0.09 | | |
| BRIARWOOD LANE | 133 9 | 0.12 | | |
| BRISTOL AVENUE | 865 | 1.60 | 0.08 | |
| BROADMORE STREET | 927 | 0.51 | | |
| BROOKE DRIVE | 845 | 0.09 | | |
| BROOKLYN AVENUE | 898 | 0.07 | | |
| BROWN ROAD | 1418 | | 0.72 | |
| BRYANT AVENUE | 812 | 0.67 | | |
| BRYANT COURT | 933 | 0.02 | | |
| BUCKMASTER STREET | 1004 | 0.31 | | |
| BUESING ROAD | 979 | 2.68 | | |
| BUNN ROAD | 1204 | 2.38 | | |
| BUNN WAY | 1205 | 0.98 | | |
| BURGDORF ROAD | 1346 | 4.72 | | |
| BURNS STREET | 899 | 0.24 | | |
| | | | | |
| CABLE AVENUE | 593 | 0.06 | | |
| CACKLER COURT | 628 | 0.05 | | |
| CALIMESA WAY | 741 | 0.09 | | |
| CALLAHAN ROAD | 1086 | 0.82 | | |
| CAMPBELL ROAD | 1210 | 5.51 | 3.99 | |
| CANNON AVENUE | 1322 | 0.86 | | |
| CARLON WAY | 786 | 0.03 | | |
| CARLSON DRIVE | 832 | 0.75 | | |
| CAROLINE STREET | 557 | 0.14 | | |
| CASA WAY | 840 | 0.13 | | |
| CASCADE LAKES HWY | 1352 | 6.40 | | |
| CASEBEER ROAD | 1077 | 2.52 | | |
| CHALET DRIVE | 568 | 0.28 | | |
| CHAMBERS LANE | 873 | 0.11 | | |
| CHEESE FACTORY ROAD | 1088 | 0.76 | | |
| CHEMULT DEPOT STREET | 621 | 0.07 | | |
| CHEMULT DUMP ROAD | 606 | | 0.43 | |
| CHERRY WAY | 826 | 0.09 | 2.10 | |
| CHEYNE AVENUE | 893 | 0.00 | | |
| CHEYNE ROAD | 977 | 3.98 | | |
| CHILOQUIN RIDGE ROAD | 652 | 2.09 | | |
| CHILOQUIN RIDGE ROAD | 982 | 1.35 | | |
| CHINCHALLA WAY | 836 | 1.55 | | |

| CHOLOX STREET | 1040 | | - | |
|---------------------------|------|--------------|------|------|
| | 1049 | 0.04 | | |
| CINDER COURT | 1005 | 0.09 | | |
| CLARK STREET | 648 | 0.06 | | |
| CLIMAX AVENUE | 834 | 0.67 | 0.23 | |
| CLINTON AVENUE | 886 | 0.74 | | |
| CLOVER CREEK ROAD | 603 | 21.59 | | |
| COLLIER LANE | 964 | 0.36 | | |
| COLLMAN DAIRY ROAD | 792 | | 0.39 | |
| COLLMAN ROAD | 958 | | 0.82 | |
| CORONADO WAY | 709 | 0.42 | | |
| COTTAGE AVENUE | 806 | 0.85 | | |
| COVINA COURT | 746 | 0.03 | | |
| CRESENT CUTOFF ROAD | 1351 | 12.25 | | |
| CREST STREET | 828 | 1.15 | 0.42 | |
| CROSBY AVENUE | 1323 | 0.84 | | |
| CROSS ROAD | 556 | 7.02 | | |
| CRYSTAL SPRINGS ROAD | 976 | 4.01 | | |
| | | | | |
| DAKOTA COURT | 844 | 0.09 | | |
| DARWIN PLACE | 804 | 0.22 | | |
| DAWN COURT | 930 | 0.07 | | |
| DAWN DRIVE | 931 | 0.22 | | |
| DAY DRIVE | 718 | 0.11 | | |
| DAY SCHOOL ROAD | 753 | 1.58 | | |
| DAYTON STREET | 807 | 0.20 | 0.16 | |
| DEAD INDIAN MEMORIAL ROAD | 533 | 10.25 | | |
| DEGROOT STREET | 773 | 0.11 | | |
| DEHLINGER LANE | 975 | 1.78 | | |
| DEL FATTI LANE | 785 | 2.07 | | |
| DELAP ROAD | 554 | | | 0.68 |
| DELAWARE AVENUE | 848 | 0.84 | | |
| DEMERRIT ROAD | 1168 | 1.53 | | |
| DENNIS DRIVE | 890 | 0.13 | | |
| DENVER AVENUE | 855 | 0.73 | 0.11 | |
| DENVER PARK | 900 | 0.09 | | |
| DERBY PLACE | 797 | 0.13 | | |
| DERBY STREET | 578 | 0.66 | 0.17 | |
| DEVONRIDGE DRIVE | 1303 | 0.13 | | |
| DIXON ROAD | 624 | 1.6 1 | | |
| DOAK ROAD | 771 | | 1.00 | |
| DODDS HOLLOW ROAD | 1091 | 2.10 | 2.00 | 1.10 |
| DONEGAL AVENUE | 864 | 0.19 | | |
| DOVER AVENUE | 592 | 0.06 | 0.06 | |
| DRAZIL ROAD | 1167 | 3.05 | | |
| DREWS ROAD | 599 | 13.38 | | |
| EAGLE RIDGE ROAD | 637 | | 1.46 | 4.02 |

| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|------------------------------|--------|-------|--------|------------|
| ROAD | | | | |
| EASTMOUNT STREET | 901 | 0.16 | | |
| EBERLEIN AVENUE | 837 | 0.43 | 0.09 | |
| EDISON STREET | 925 | 0.22 | | |
| EDLER STREET (Bly) | 504 | 1.12 | | |
| EGERT ROAD | 1071 | 1.47 | 1.51 | |
| EL CERRITO WAY | 723 | 0.48 | | |
| ELDER WAY | 821 | 0.10 | | |
| ELLIOTT ROAD | 962 | 0.85 | | |
| ESTATE DRIVE | 860 | 0.08 | | |
| ETNA STREET | 1325 | 0.62 | | |
| EVANS ROAD | 1184 | 1.50 | | |
| EVERGREEN DRIVE | 967 | 0.39 | | |
| EZELL AVENUE | 598 | 0.00 | 0.24 | |
| | 000 | | 0.21 | |
| FAIRGROUND ROAD | 885 | 0.07 | | |
| FALVEY ROAD | 990 | 1.19 | | |
| FARGO STREET | 585 | 0.82 | | |
| | | | | |
| FOOTHILLS BLVD. | 878 | 2.41 | | |
| FORT KLAMATH LOOP | 501 | 0.33 | | |
| FRIEDA AVENUE | 808 | 0.69 | | |
| FRONTAGE ROAD | 542 | 0.51 | 0.07 | |
| FUGATE ROAD | 986 | | 0.65 | |
| G. C. PALMER STREET | 620 | 0.07 | | |
| GAINES ROAD | 1109 | 1.32 | | |
| GALE ROAD | 1089 | 2.92 | | |
| GARDENA PLACE | 722 | 0.03 | | |
| GARY STREET | 584 | 0.86 | | |
| GERBER ROAD | 1218 | 8.26 | 4.97 | |
| GETTLE STREET | 1309 | 0.60 | 4.37 | |
| GIFT ROAD | | | | |
| | 1224 | 1.75 | 2 50 | |
| GODOWA SPRINGS ROAD | 1193 | 5.22 | 3.58 | |
| GRAPE STREET | 596 | | 0.07 | |
| GREEN WING LOOP | 609 | 0.28 | | |
| GREENSPRINGS DRIVE | 622 | 1.78 | | |
| GREGORY DRIVE | 789 | 0.09 | | |
| GRENADA WAY | 708 | 0.38 | | |
| HACKLER ROAD | 505 | 2.53 | | |
| HAGER LANE | 745 | 0.02 | | |
| HARLAN DRIVE | 1317 | 1.48 | | |
| HARPOLD ROAD | 1097 | 16.17 | | |
| HARVEY DRIVE | 831 | 0.11 | | |
| HARVET DRIVE HASKINS ROAD | 1079 | 5.26 | | |
| HASKING ROAD HENLEY ROAD | | | | |
| | 857 | 1.28 | | |
| | 1041 | 0.23 | | |
| HENWAS STREET | 1040 | 0.17 | | |
| HERITAGE COURT | 937 | 0.06 | | |

| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|---------------------|------------|-------|--------------|------------|
| HIGHLAND WAY | 788 | 0.09 | | |
| HILDEBRAND ROAD | 1059 | 5.16 | | |
| HILL ROAD | 566 | 13.05 | | |
| HILLDALE STREET | 800 | 0.12 | | |
| HILTON DRIVE | 922 | 0.20 | | |
| HILYARD AVENUE | 892 | 2.14 | | |
| HOLBROOK STREET | 777 | 0.13 | | |
| HOLIDAY ROAD | 514 | 0.33 | | |
| HOLL ROAD | 1175 | 0.93 | | |
| HOMEDALE ROAD | 830 | 8.97 | | |
| HOMER DRIVE | 907 | 0.10 | | |
| HOOTER STREET | 627 | ••••• | 0.26 | |
| HOPE STREET | 816 | 2.05 | 0.20 | |
| HORIZON STREET | 625 | 0.49 | 0.06 | |
| HORSLEY ROAD | 614 | 0.45 | 0.00 | |
| IORTON ROAD | 1127 | 0.01 | 0.90 | |
| | 127 | | 0.90 1.40 | |
| HUNTERS RIDGE ROAD | 853 | 0.20 | 1.40 | |
| IUNI ERO RIDUE KUAD | 000 | 0.20 | | |
| NDEPENDENCE AVENUE | 577 | 0.43 | | |
| OOF CEMETERY ROAD | 988 | 0.27 | 1.34 | |
| VORY PINE ROAD | 1257 | 12.54 | | |
| VORY STREET | 882 | 0.44 | | |
| EFFREY LANE | 759 | 0.09 | | |
| ELINEK ROAD | 1114 | | 0.81 | |
| | 651 | 0.14 | | |
| | 776 | 0.07 | | |
| ESSE COURT | 842 | 0.03 | | |
| OE WRIGHT ROAD | 803 | 2.64 | | |
| OHNS AVENUE | 896 | 0.26 | | |
| OHNSON ROAD | 1217 | 0.20 | 2.43 | |
| IONES ROAD | 1217 | 0 65 | 2.43 | |
| | | 0.65 | | |
| | 688 770 | 0.06 | | |
| | 772 | 0.02 | | |
| IUNIPER WAY | 827 | 0.19 | | |
| KANE STREET | 1328 | 1.28 | | |
| KATIE LANE | 756 | 0.11 | | |
| KELLER ROAD | 553 | 0.60 | | |
| | 802 | 0.21 | | |
| ELSEY LANE | 758 | 0.06 | | |
| KENO SPRINGS ROAD | 1499 | 1.17 | 0.65 | |
| (ENO WORDEN ROAD | 793 | 7.68 | 0.00 | |
| KERN SWAMP ROAD | 793 | 1.00 | 1.95 | |
| (IMBERLY COURT | | 0.00 | 1.50 | |
| | 801 | 0.09 | | |
| | 795 | 0.80 | | |
| | 551 | 0.50 | | |
| KLAD ROAD | 894 | 0.18 | | |
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| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|-----------------------------------|------------|-------|--------|------------|
| KOTYA LANE | 1043 | 0.21 | | |
| KRANZ STREET | 619 | 0.07 | | |
| YEM COURT | 1048 | 0.03 | | |
| _A HABRA WAY | 735 | 0.28 | | |
| _A JOLLA COURT | 717 | 0.03 | | |
| _A MARADA WAY | 715 | 0.51 | | |
| A WANDA DRIVE | 516 | 0.52 | | |
| AKEPORT BLVD | 562 | 1.34 | | |
| AKESHORE DRIVE | 630 | 3.58 | | |
| ARRY PLACE | 902 | 0.13 | | |
| AUREL STREET | 591 | 0.29 | | |
| AVERNE AVENUE | 862 | 1.22 | | |
| | 649 | 0.22 | | |
| | 650 | 0.03 | | |
| | 1324 | 0.30 | | |
| | 642 | 0.35 | | |
| | 701 | 0.33 | | |
| ODI STREET | 581 | 0.22 | | |
| OGAN STREET/DRIVE | 794 | | | |
| | | 0.49 | | |
| | 868 | 0.40 | | |
| | 704 | 0.32 | 5.04 | |
| ONE PINE ROAD | 852 | | 5.01 | |
| ONG LAKE ROAD | 774 | | 1.43 | 0.95 |
| ONGACRE LANE | 559 | 0.53 | | |
| OOSLEY ROAD | 1332 | 1.49 | | |
| ORRAYNE PLACE | 815 | 0.13 | | |
| OVENESS ROAD OWER KLAMATH LAKE | 1120 | 0.53 | | |
| ROAD | 791 | 13.84 | | |
| MACK AVENUE | 846 | 0.25 | | |
| MADERA DRIVE | 712 | 0.10 | | |
| MADISON STREET | 1327 | 1.87 | | |
| | 575 | 0.09 | | |
| AIN STREET (Crescent) | 903 | 0.28 | | |
| | 1139 | 0.45 | | |
| | 1170 | 0.39 | | |
| MALIN LOOP ROAD | 1183 | 2.00 | | |
| MALIN SIDING ROAD | 1135 | 2.00 | 0.82 | |
| MALLARD LANE | 1302 | 0.30 | 0.02 | |
| ALLORY DRIVE | 972 | 0.30 | | |
| | 972 993 | | | |
| | | 2.78 | | 1 00 |
| MALONE SPRINGS ROAD | 532 | | 0.00 | 1.00 |
| MANN ROAD | 555 | 0.00 | 0.96 | |
| | 645 | 0.20 | | |
| | 916 | 0.03 | | |
| APLEWOOD DRIVE | 919 | 0.10 | | |

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| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|---------------------|------------|-------|--------|------------|
| MARINA DRIVE | 631 | 0.21 | | |
| MARIUS DRIVE | 1320 | 0.17 | | |
| MARYLAND AVENUE | 813 | 0.45 | | |
| MASON LANE | 1337 | 0.75 | | |
| MATHERS STREET | 574 | 0.17 | | |
| MATNEY ROAD | 889 | 1.52 | | |
| MATNEY WAY | 904 | 1.97 | | |
| MAUPIN ROAD | 1133 | 1.77 | | |
| MAYWOOD DRIVE | 912 | 0.58 | | |
| MAZAMA DRIVE | 720 | 0.45 | | |
| Mc CARTY LANE | 1156 | 3.40 | | |
| Mc CLELLAN DRIVE | 833 | 0.61 | | |
| Mc CORMICK ROAD | 604 | 0.30 | | |
| Mc CULLEY ROAD | 1173 | 1.11 | | |
| Mc COLLET ROAD | 616 | 0.13 | | |
| Mc LAUGHLIN LANE | 618 | 0.13 | | |
| Mc QUISTON ROAD | 1343 | 2.00 | | |
| MEADOW GLEN LOOP | | | | |
| | 749 779 | 0.18 | | |
| MEADOWBROOK COURT | 778 | 0.11 | | |
| MEADOWBROOK LANE | 779 | 0.17 | | |
| MEADOWS COURT NORTH | 926 | 0.02 | | |
| MEADOWS COURT SOUTH | 921 | 0.01 | | |
| MEADOWS DRIVE | 928 | 0.33 | | |
| MEMORIAL DRIVE | 872 | 0.97 | | |
| MEMORIE LANE | 586 | 0.47 | | |
| MERRILL PIT ROAD | 983 | 3.12 | | |
| METLER STREET (Bly) | 503 | 0.07 | | |
| METRO STREET | 588 | 0.04 | | |
| MICKA ROAD | 1078 | 2.84 | | |
| MILBERT AVENUE | 768 | 0.11 | | |
| MILITARY ROAD | 677 | | 3.10 | 11.30 |
| MILLER AVENUE | 805 | 0.68 | | |
| MILLER ISLAND ROAD | 790 | 2.07 | | |
| MIRACLE DRIVE | 727 | 0.19 | | |
| MITCHELL ROAD | 1126 | | 1.00 | |
| MODOC POINT ROAD | 1334 | 12.89 | | |
| MOKAS COURT | 1051 | 0.09 | | |
| MONROVIA WAY | 743 | 0.16 | | |
| MONTAVILLA DRIVE | 1318 | 0.12 | | |
| MONTEREY DRIVE | 711 | 0.18 | | |
| MORELOCK ROAD | 1179 | 1.56 | 0.25 | |
| MORNINGSIDE LANE | 784 | 0.32 | | |
| MOY COURT | 1044 | 0.02 | | |
| MOYINA WAY | 820 | 0.00 | | |
| MYRTLEWOOD DRIVE | 911 | 0.15 | | |
| | VII | 0.10 | | |
| NAOMA STREET | 576 | 0.09 | | |
| NICHOLSON ROAD | 1419 | 3.89 | | |
| | VITI | 0.00 | | |

| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|--------------------------|------------|-------|--------|------------|
| NILE STREET | 895 | 0.25 | 0.17 | |
| NORTH MALIN ROAD | 1169 | 1.77 | | |
| NORTH POE VALLEY ROAD | 978 | 9.64 | | |
| NORTHRIDGE DRIVE | 861 | 0.50 | | |
| O'CONNOR ROAD | 887 | 1.99 | | |
| OGDEN STREET | 851 | 0.40 | 0.06 | |
| OLD FORT ROAD | 867 | 5.30 | 6.33 | |
| OLD MALIN HIGHWAY | 1080 | 1.73 | | |
| OLD MIDLAND ROAD | 888 | 6.51 | | |
| OLD WAGON ROAD | 602 | | 0.25 | |
| ONA COURT | 1045 | 0.02 | | |
| ONYX AVENUE | 582 | 1.32 | 0.25 | |
| ONYX DRIVE | 809 | 0.11 | | |
| ONYX PLACE | 810 | 0.10 | | |
| ORINDA DRIVE | 713 | 0.10 | | |
| ORINDALE ROAD | 1338 | 1.49 | | |
| OXBOW STREET | 909 | 0.06 | | |
| OZMAR LANE | 686 | 0.09 | | |
| | 000 | 0.03 | | |
| PALOMINO COURT | 992 | 0.13 | | |
| PARAMONT STREET | 589 | 0.15 | | |
| PATTERSON STREET | 847 | 1.80 | 0.17 | |
| PAYGR ROAD | 1113 | 1.83 | | |
| PAYGR WAY | 1112 | 1.19 | | |
| PECK DRIVE | 587 | 0.54 | | |
| PEGGY AVENUE | 573 | 0.11 | 0.04 | |
| PELICAN BUTTE ROAD | 530 | | 0.25 | |
| PEPPERWOOD COURT | 924 | 0.06 | | |
| PEPPERWOOD DRIVE | 920 | 0.14 | | |
| PERRY STREET | 703 | 0.13 | | |
| PETERSTEINER ROAD | 1069 | 0.10 | 0.55 | |
| PICKETT ROAD | 1166 | 1.82 | 0.00 | |
| PINE CONE DRIVE | 738 | 0.37 | | |
| PINE CONE DRIVE | 1000 | 0.37 | | |
| | 973 | | | |
| PINE GROVE ROAD | 973 739 | 2.78 | | |
| | | 1.20 | | |
| | 968 | 0.41 | | |
| PINTO COURT | 996 | 0.05 | | |
| PLUM BUSH COURT | 729 | 0.10 | | |
| PLUM BUSH DRIVE | 730 | 0.11 | | |
| POPE ROAD | 1093 | 0.50 | 0.76 | 0.89 |
| POTTER STREET (Crescent) | 687 | 0.07 | | |
| PRIMROSE LANE | 1335 | 0.24 | | |
| PUCKETT ROAD | 605 | 0.43 | | |
| QLIDIS DRIVE | 1042 | 0.63 | | |
| QUAIL LANE | 726 | 0.07 | | |
| RAJNUS ROAD | 1172 | 2.28 | | |
| | | - | | |

| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|-------------------------------|------------|--------------|--------|------------|
| RAMIREZ ROAD | 965 | 0.26 | | |
| RAVEN COURT | 780 | 0.03 | | |
| RAVENWOOD DRIVE | 783 | 0.34 | | |
| RAYMOND STREET | 580 | 0.21 | | |
| RED WING LOOP | 611 | 0.33 | | |
| REDDING STREET | 869 | | 0.24 | |
| REDONDO WAY | 710 | 0.32 | | |
| REDWOOD DRIVE | 644 | 0.12 | | |
| REEDER ROAD | 981 | 4.16 | | |
| REILING ROAD | 966 | | 1.37 | |
| RIDDLE ROAD | 689 | 0.22 | | |
| RIDGE ROAD | 929 | 0.04 | | |
| RIO VISTA WAY | 714 | 0.47 | | |
| RITTER ROAD | 1060 | | 0.50 | |
| RIVER STREET (Keno) | 608 | 0.05 | 0.00 | |
| RIVERSIDE DRIVE | 1329 | 0.76 | | |
| ROBINSON DRIVE | 1003 | 0.10 | | |
| ROCKING HORSE LANE | 987 | 0.52 | | |
| ROCKY POINT ROAD | 529 | 3.88 | 1.92 | |
| ROSARIA PLACE | 721 | 0.04 | 1.92 | |
| - | | | 0.01 | |
| ROUND LAKE ROAD RUTH DRIVE | 781 750 | 3.99 0.13 | 0.81 | |
| | 100 | 0.10 | | |
| SADDLE MT. PIT ROAD | 747 | | 0.62 | |
| SAGE WAY | 823 | 0.15 | | |
| SARAH CIRCLE | 843 | 0.03 | | |
| SAYLER STREET | 748 | 0.28 | | |
| SCHAUPP ROAD | 1116 | 4.95 | | |
| SCHIESEL AVENUE | 995 | 0.20 | | |
| SCHOOLER COURT | 737 | 0.08 | | |
| SCOTCH PINE ROAD | 963 | 0.09 | | |
| SCOTT VALLEY DRIVE | 767 | 0.12 | | |
| SELMA STREET | 796 | 0.15 | | |
| SEQUOIA STREET | 643 | 0.06 | | |
| SEUTTER PLACE | 725 | 0.30 | | |
| SEVENMILE ROAD | 1349 | 4.77 | | |
| SHADY PINE ROAD | 698 | | | |
| | | 2.56 | | |
| SHARP ROAD | 613 | 0.23 | | |
| SHASTA WAY | 870 | 2.35 | | |
| SHAWNA COURT | 932 | 0.07 | | |
| SHORT ROAD | 974 | 1.00 | | |
| SIERRA COURT | 517 | 0.15 | | |
| SIERRA HEIGHTS DRIVE | 822 | 0.22 | | |
| SIERRA PLACE | 719 | 0.07 | | |
| SILVER LAKE ROAD | 676 | 35.52 | | |
| SIMMERS AVENUE | 913 | 0.05 | | |
| SING ROAD | 699 | | 0.06 | |
| | | | | |

| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|-----------------------|------------|-------|--------|------------|
| SMALL COURT | 728 | 0.12 | | |
| SORREL COURT | 994 | 0.09 | | |
| SOUTH CHILOQUIN ROAD | 1331 | 4.17 | | |
| SOUTH ETNA STREET | 1326 | 0.26 | | |
| SOUTH MALIN ROAD | 1177 | 0.90 | | |
| SOUTH MERRILL ROAD | 1103 | 1.80 | | |
| SOUTH POE VALLEY ROAD | 500 | 9.64 | | |
| SOUTHGATE DRIVE | 706 | 0.18 | | |
| SPRAGUE RIVER DRIVE | 1102 | 1.28 | | |
| SPRAGUE RIVER ROAD | 858 | 33.13 | | |
| SPRIG COURT | 629 | 0.04 | | |
| SPRING LAKE ROAD | 876 | 5.51 | | |
| SQUAW FLAT ROAD | 1101 | 17.60 | | |
| STASTNY ROAD | 1174 | 1.53 | | |
| STATELINE ROAD | 985 | 5.80 | | |
| STEENS DRIVE | 518 | 0.19 | | |
| STROH STREET | 617 | 0.10 | 0.11 | |
| STURDIVANT AVENUE | 879 | 0.98 | 0.11 | |
| SUMAC AVENUE | 914 | 0.30 | | |
| SUMAC COURT | 917 | 0.03 | | |
| SUMMERS LANE | 854 | 3.11 | | |
| SUMMERS LANE | 850 | 0.07 | | |
| SUMMIT STREET | | | | |
| | 623 507 | 2.85 | 0.47 | |
| | 597 | 0.40 | 0.17 | |
| | 615 | 0.13 | 0.23 | |
| SUNSET BEACH ROAD | 552 | 0.28 | 0.76 | |
| | 558 | 0.15 | | |
| SUTY ROAD | 1111 | 1.20 | | |
| SWAN LAKE ROAD | 971 | 12.26 | 4.84 | |
| SYCAMORE DRIVE | 705 | 0.16 | | |
| SYCAN ROAD | 1191 | 1.50 | 3.18 | |
| SYLVIA AVENUE | 702 | 0.24 | | |
| TAMERA DRIVE | 819 | 0.56 | | |
| TAYLOR ROAD | 980 | 2.80 | | |
| TEARE LANE | 1161 | 4.37 | | |
| THOMAS DRIVE | 923 | 0.18 | | |
| THOMPSON AVENUE | 839 | 0.19 | | |
| | 528 | 3.12 | | |
| TOQUA ROAD | 736 | | 1.06 | |
| TOWNSHIP ROAD | 607 | 7.44 | | |
| TRANSFORMER ROAD | 1150 | 3.32 | | |
| UHRMANN ROAD | 561 | 1.00 | 0.57 | |
| UNITY STREET | 935 | 0.38 | | |
| VALE ROAD | 525 | 0.67 | | |
| | | | | |
| VALENCIA WAY | 740 | 0.02 | | |

| ROAD NAME | NUMBER | PAVED | GRAVEL | UNIMPROVED |
|---------------------------|-------------|-------|--------|------------|
| VALINDA WAY | 742 | 0.15 | | |
| VALLEY COURT | 572 | 0.03 | | |
| VALLEY VIEW LANE | 1336 | 0.75 | | |
| VANDENBERG ROAD | 799 | 0.62 | | |
| VENTURA DRIVE | 751 | 0.18 | | |
| VERDA VISTA COURT | 744 | 0.04 | | |
| VERDA VISTA DRIVE | 724 | 0.16 | | |
| VERDA VISTA PLACE | 734 | 0.08 | | |
| VILLA DRIVE | 814 | 0.58 | | |
| WALKER ROAD | 1225 | 0.70 | | |
| WALTON DRIVE | 81 1 | 0.47 | | |
| WARD STREET (Crescent) | 690 | 0.06 | | |
| WASHBURN WAY | 875 | 3.34 | | |
| WATSON STREET | 818 | 0.69 | | |
| WATTS ROAD | 970 | | 0.41 | |
| WEBBER ROAD | 1085 | 0.80 | 0.23 | |
| WEED ROAD | 1333 | 6.18 | | |
| WESGO DRIVE | 775 | 0.18 | | |
| WEST BOUNDARY ROAD | 675 | | 3.15 | |
| WEST LANGELL VALLEY ROAD | 520 | 18.33 | | |
| WESTERN STREET | 817 | 0.40 | | |
| WESTSIDE ROAD | 531 | 16.87 | | |
| WEYERHAEUSER ROAD | 521 | 0.67 | | |
| WHITE GOOSE DRIVE | 612 | 0.52 | | |
| WHITELINE ROAD | 960 | | 1.78 | |
| WHITMORE STREET | 1001 | 0.61 | | |
| WIARD STREET | 881 | 1.29 | | |
| WILDWOOD LANE | 969 | 0.27 | | |
| WILLIAMSON RIVER ROAD | 600 | 25.09 | | |
| WILLOW VALLEY ROAD | 1239 | | 5.38 | |
| WILSON CEMETERY ROAD | 653 | | 1.18 | |
| WILSON ROAD | 1105 | 1.40 | | |
| WINDSOR STREET | 906 | 0.18 | | |
| WINEMA DRIVE | 910 | 0.09 | | |
| WINONA WAY | 838 | 0.15 | | |
| WINTER AVENUE | 859 | 0.38 | | |
| WITAM COURT | 1050 | 0.04 | | |
| WOCUS ROAD | 560 | 2.01 | | |
| WONG ROAD | 918 | 0.90 | | |
| WUROAD | 1064 | 1.11 | | |
| YELLOW JACKET SPRINGS RD. | 1194 | 0.25 | 1.75 | |
| YONNA DRIVE | 1068 | 2.39 | | |
| YONNA LOOP DRIVE | 1067 | | | 0.50 |
| YONNA WOODS ROAD | 1087 | | 1.54 | |
| | | | | |

TOTALS

746.01 89.57 23

23.65

Appendix C – County Bridge Inventory

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| Appendix C –County Brid | ge Inventory |
|-------------------------|--------------|
|-------------------------|--------------|

| Appendix C –County Bridge Inventory | | | | | | | | | | | | | |
|-------------------------------------|------|-------|------|---------------|-------------------------|----------------|----------------|--------------|---------------|-----------------------|---------|------|-------|
| | RD # | MP | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. |
| REEDER RD. | 981 | 2.45 | 5 | 1956 | LOST RIVER | 74.0 | 30.9 | 8105 | 2003.0 | 49.6 | | c | 7 |
| CRESCENT CUTOFF RD. | 1351 | 12.20 | 1 | 1962 | LIT. DESCHUTES R. | 66.0 | 34.6 | 9027 | 2003.0 | 64.3 | | сл | 7 |
| MATNEY RD. | 889 | 1.40 | 1 | 1969 | IRRIG. CANAL | 37.0 | 28.0 | 35C157 | 2003.0 | 74.8 | | сл | 9 |
| SOUTH MERRILL RD. | 1103 | 0.09 | 1 | 1955 | LOST RIVER | 146.0 | 34.5 | 7906 | 2003.0 | 75.0 | | С/Т | 7 |
| W. LANGELL VLY ROAD | 520 | 18.42 | 6 | 1959 | LOST R. @ MALONE DAM | 126.0 | 35.4 | 8592 | 2003.0 | 78.5 | | с | 7 |
| W. LANGELL VAL. RD. | 520 | 9.85 | 3 | 1978 | IRRIG, CANAL | 32.0 | 32.0 | 18C12A | 2003.0 | 80.3 | | С/Т | 7 |
| E. LANGELL VALLEY RD. | 1211 | 13.80 | 6 | 1976 | DRAIN DITCH | 32.0 | 32.0 | 18C15A | 2003.0 | 81.6 | | с | 7 |
| E. LANGELL VALLEY RD. | 1211 | 10.00 | 4 | 1976 | DRAIN DITCH | 25.0 | 32.0 | 35C338 | 2003.0 | 81.6 | | С/Т | 7 |
| WASHBURN WAY | 875 | 5.73 | 1 | 1962 | BNRR O-XING | 339.0 | 65.0 | 8881 | 2003.0 | 82.2 | | S/C | 16 |
| HARPOLD RD. | 1097 | 7.50 | 5 | 1972 | IRRIG. CANAL | 21.0 | 32.2 | 18C038 | 2003.0 | 84.7 | | с/т | 7 |
| W. LANGELL VAL. RD. | 520 | 18.10 | 5 | 1995 | IRRIG. CANAL | 24.0 | 40.0 | 18C014 | 2003.0 | 84.9 | | с | 7 |
| O'CONNOR RD. | 887 | 1.10 | 1 | 1966 | IRRIG. CANAL | 41.0 | 32.0 | 35C169 | 2003.0 | 85.4 | | с/т | 9 |
| MCQUISTON RD. | 1343 | 0.50 | 1 | 1978 | DRAIN DITCH | 31.0 | 32.0 | 35C153 | 2003.0 | 89.8 | | С/Т | 9 |
| STASTNY RD. | 1174 | 1.50 | 1 | 1988 | LOW LINE CANAL | 18.0 | 32.0 | 35C185 | 2003.0 | 90.0 | | С/Т | 9 |
| HARPOLD ROAD | 1097 | 1.40 | 6 | 1960 | D CANAL | 37.0 | 30.0 | 18C001 | 2003.0 | 91.2 | | сл | 7 |
| IVORY PINE RD | 1257 | 5.60 | 5 | 1970 | MERYL CREEK | 25.0 | 32.0 | 35C223 | 2003.0 | 91.2 | | с/т | 7 |
| ADAMS POINT RD. | 1099 | 0.90 | 1 | 1980 | IRRIG. CANAL | 37.0 | 32.0 | 35C101 | 2003.0 | <u>91.4</u> | | сл | 9 |
| POPE RD. | 1093 | 0.20 | 1 | 1978 | IRRIG. CANAL | 43.0 | 32.0 | 35C177 | 2003.0 | 91.6 | | С/Т | 9 |
| WEST SIDE RD | 531 | 11.50 | 2 | 1967 | CHERRY CR. | 31.0 | 36.0 | 18C005 | 2003.0 | 91.9 | | с | 7 |
| DODDS HOLLOW RD. | 1091 | 0.20 | 1 | 1971 | IRRIG. CANAL | 42.0 | 32.0 | 35C124 | 2003.0 | 92.0 | | С/Т | 9 |
| MATNEY WAY | 904 | 1.90 | 1 | 1970 | IRRIG. CANAL | 32.0 | 32.0 | 35C158 | 2003.0 | 92.0 | | сл | 9 |

| ROAD NAME | RD # | MP | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. Cl |
|-------------------------|------|-------|------|---------------|-------------------|----------------|----------------|--------------|---------------|-----------------------|---------|------|-------------|
| MATNEY WAY | 904 | 1.00 | 3 | 1970 | G CANAL | 46.0 | 28.0 | 35C212 | 2003.0 | 92.0 | | С/Т | 9 |
| SPRAGUE RIVER RD. | 858 | 18.08 | 3 | 1972 | DRAIN CHANNEL | 21.0 | 32.0 | 18C040 | 2003.0 | 92.0 | | С/Т | 7 |
| SUTY RD. | 1111 | 0.70 | 1 | 1974 | J CANAL | 46.0 | 32.0 | 35C196 | 2003.0 | 92.0 | | сл | 9 |
| JOE WRIGHT RD. | 803 | 0.34 | 2 | 1989 | NO. 1 DRAIN | 25.0 | 32.0 | 35C216 | 2003.0 | 92.6 | | С/Т | 7 |
| SPRAGUE RIVER RD. | 858 | 29.50 | 5 | 1978 | ROCK CR. DRAIN | 26.0 | 32.0 | 35C229 | 2003.0 | 94.0 | | С/Т | 7 |
| CRESCENT CUTOFF RD. | 1351 | 3.60 | 2 | 1972 | CRESCENT CREEK | 29.0 | 32.0 | 9028 | 2003.0 | 94.2 | | С/Т | 7 |
| STATELINE RD. | 985 | 5.45 | 10 | 1969 | J CANAL | 47.0 | 28.0 | 35C195 | 2003.0 | 94.2 | | С/Т | 9 |
| BURGDORF RD. | 1346 | 2.05 | 2 | 1978 | DRAIN DITCH | 25.0 | 32.0 | 35C111 | 2003.0 | 94.4 | | С/Т | 8 |
| DREWS RD. | 599 | 8.55 | 2 | 1973 | DRAIN CANAL | 26.0 | 32.0 | 35C127 | 2003.0 | 94.5 | | С/Т | 8 |
| ANDERSON AVE. | 874 | 0.50 | 1 | 1986 | 1-C DRAIN | 25.0 | 32.0 | 35C366 | 2003.0 | 94.6 | | сл | 19 |
| HARPOLD RD. | 1097 | 0.50 | 7 | 1979 | J CANAL | 47.0 | 32.0 | 35C134 | 2003.0 | 94.7 | | с/т | 7 |
| PAYGR RD. | 1113 | 1.10 | 1 | 1992 | D CANAL | 40.0 | 32.0 | 35C175 | 2003.0 | 94.8 | | С/Т | 9 |
| CROSS ROAD | 556 | 6.49 | 1 | 1977 | C CANAL | 42.0 | 32.0 | 3906 | 2003.0 | 95.5 | | с | 7 |
| SILVER LAKE RD. | 676 | 20.75 | 7 | 1986 | JACK CREEK | 37.0 | 32.0 | 18C035 | 2003.0 | 95.7 | | С/Т | 7 |
| WEED RD. | 1333 | 3.70 | 2 | 1984 | DRAIN DITCH | 17.0 | 32.0 | 35C204 | 2003.0 | 96.0 | | _сл | 7 |
| HILL ROAD | 566 | 11.20 | 1 | 1979 | D CANAL | 43.0 | 32.0 | 35C137 | 2003.0 | 96.1 | | С/Т | 9 |
| SILVER LAKE RD. | 676 | 17.43 | 4 | 1986 | WILLIAMSON R. | 29.0 | 32.0 | 18C032 | 2003.0 | 96.6 | | С/Т | 7 |
| SILVER LAKE RD. | 676 | 18.98 | 6 | 1986 | DRAIN CHANNEL | 29.0 | 32.0 | 18C034 | 2003.0 | 96.6 | | _с/т | 7 |
| DREWS RD. | 599 | 5.70 | 3 | 1973 | DRAIN CANAL | 21.0 | 32.0 | 35C128 | 2003.0 | 96.7 | | _С/Т | 7 |
| HARPOLD RD. | 1097 | 6.40 | 4 | 1983 | CATTLE PASS | 15.0 | 32.0 | 35C359 | 2003.0 | 96.7 | | С/Т | 7 |
| IVORY PINE RD | 1257 | 1.10 | 2 | 1981 | DRAIN CHANEL | 39.0 | 32.0 | 35C220 | 2003.0 | 96.8 | | С/Т | 7 |
| IVORY PINE RD | 1257 | 4.00 | 3 | 1981 | DRAIN CHANEL | 51.0 | 32.0 | 35C221 | 2003.0 | 96.8 | | с/т | 7 |
| MILITARY CROSSING RD | 677 | 9.60 | 2 | 1983 | CANAL | 25.0 | 32.0 | 35C164 | 2003.0 | 96.8 | | С/Т | 9 |

| ROAD NAME | RD # | MP | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. Cl |
|-----------------------------|------|-------|------|---------------|----------------------|----------------|----------------|--------------|---------------|-----------------------|---------|----------|-------------|
| OLD MIDLAND RD. | 888 | 5.50 | 4 | 1976 | IRRIG. CANAL | 31.0 | 32.0 | 35C173 | 2003.0 | 96.8 | | сл | 9 |
| OLD MIDLAND RD. | 888 | 6.20 | 5 | 1973 | IRRIG. CANAL | 33.0 | 32.0 | 35C174 | 2003.0 | 96.8 | | <u>с</u> | 9 |
| ROCKY POINT RD | 529 | 0.00 | 1 | 1982 | VARNEY CR. | 17.0 | 32.0 | 35C333 | 2003.0 | 96.8 | | сл | 8 |
| SEVENMILE RD. | 1349 | 5.00 | 3 | 1972 | DRAIN DITCH | 25.0 | 32.0 | 18C039 | 2003.0 | 96.8 | | с/т | 7 |
| SEVENMILE RD. | 1349 | 3.35 | 1 | 1981 | IRRIG. CANAL | 25.0 | 32.0 | 35C330 | 2003.0 | 96.8 | | СЛ | 7 |
| STATELINE RD. | 985 | 3.90 | 7 | 1971 | NO. 45 DRAIN | 31.0 | 32.2 | 35C192 | 2003.0 | 96.8 | | сл | 9 |
| W. LANGELL VAL. RD. | 520 | 6.70 | 1 | 1992 | IRRIG. CANAL | 31.0 | 32.0 | 18C010 | 2003.0 | 96.8 | | _с/т | 7 |
| ANDERSON RD. | 984 | 0.10 | 3 | 1984 | IRRIG. CANAL | 21.0 | 32.0 | 35C105 | 2003.0 | 96.9 | | с/т | 9 |
| ANDERSON RD. | 984 | 3.10 | 6 | 1981 | IRRIG. CANAL | 47.0 | 32.2 | 35C108 | 2003.0 | 96.9 | | сл | 9 |
| BURGDORF RD. | 1346 | 1.87 | 1 | 1977 | DRAIN DITCH | 25.0 | 32.0 | 35C110 | 2003.0 | 96.9 | | С/Т | 8 |
| HENLEY RD. | 857 | 0.15 | 1 | 1974 | NO. 1 DRAIN | 30.0 | 32.0 | 35C135 | 2003.0 | 96.9 | | сл | 9 |
| HOMEDALE RD. | 830 | 3.25 | 3 | 1977 | NO. 1 DRAIN | 25.0 | 32.0 | 35C140 | 2003.0 | 96.9 | | С/Т | 8 |
| MALONE RD. | 993 | 0.30 | 1 | 1985 | D CANAL | 46.0 | 32.0 | 35C155 | 2003.0 | 96.9 | | С/Т | 9 |
| MERRILL PIT RD. | 983 | 0.50 | 1 | 1976 | IRRIG. CANAL | 33.0 | 32.0 | 35C159 | 2003.0 | 96.9 | | сл | 9 |
| MERRILL PIT RD. | 983 | 1.30 | 3 | 1977 | VAN BRIMMER CANAL | 23.0 | 32.0 | 35C161 | 2003.0 | 96.9 | | с/т | 9 |
| REEDER RD. | 981 | 2.46 | 4 | 1981 | LOST R. DIV.CH. | 113.0 | 44.1 | 18C22A | 2003.0 | 96.9 | | с | 7 |
| REEDER RD. | 981 | 2.35 | 3 | 1974 | B CANAL | 37.0 | 32.0 | 35C180 | 2003.0 | 96.9 | | с | 9 |
| SOUTH MERRILL RD. | 1103 | 1.75 | 2 | 1985 | VAN BRIMMER CANAL | 15.0 | 32.0 | 35C360 | 2003.0 | 96.9 | | сл | 7 |
| SPRING LAKE RD. | 876 | 2.26 | 2 | 1981 | LOST R. DIV.CH. | 125.0 | 44.0 | 18C19A | 2003.0 | 96.9 | | с | 7 |
| SQUAW FLAT RD. | 1101 | 15.70 | 1 | 1982 | BUCK CR. DRAIN | 25.0 | 32.0 | 35C343 | 2003.0 | 96.9 | | с/т | 9 |
| WEST BOUNDARY RD. (S-14) | 675 | 2.90 | 1 | 1978 | SCOTT CREEK | 25.0 | 32.0 | 35C364 | 2003.0 | 96.9 | | с/т | 9 |
| ADAMS POINT RD. | 1099 | 0.70 | 2 | 1979 | J CANAL | 48.0 | 32.0 | 35C103 | 2003.0 | 97.0 | | с/т | 9 |
| BUESING RD. | 979 | 2.50 | 1 | 1983 | IRRIG. CANAL | 49.0 | 32.0 | 35C112 | 2003.0 | 97.0 | | С/Т | 9 |

| ROAD NAME | RD# | MP | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. Cl |
|------------------------------|------|-------|------|---------------|----------------------|----------------|----------------|--------|---------------|-----------------------|--------------------|------------|-------------|
| CAMPBELL RD. | 1210 | 9.20 | 4 | 1980 | N. FK. SPRAGUE R. | 41.0 | 32.0 | 35C226 | 2003.0 | 97.0 | | с/т | 9 |
| CHEYNE RD. | 977 | 0.70 | 1 | 1974 | IRRIG. CANAL | 36.0 | 32.0 | 35C119 | 2003.0 | 97.0 | | | 9 |
| CHIN RD | 982 | 0.40 | 1 | 1985 | IRRIG. CANAL | 37.0 | 32.0 | 35C113 | 2003.0 | 97.0 | | с/т | 9 |
| DRAZIL RD. | 1167 | 0.80 | 1 | 1979 | D CANAL | 42.0 | 32.0 | 35C125 | 2003.0 | 97.0 | | <u>с/т</u> | 9 |
| FALVEY RD. | 990 | 0.15 | 1 | 1978 | VAN BRIMMER CANAL | 18.0 | 32.0 | 35C130 | 2003.0 | 97.0 | | сл | 8 |
| FALVEY RD. | 990 | 0.70 | 2 | 1989 | LOST RIVER | 69.0 | 32.0 | 35C131 | 2003.0 | 97.0 | | c | 9 |
| GAINES RD. | 1109 | 0.55 | 1 | 1979 | J CANAL | 48.0 | 32.2 | 35C132 | 2003.0 | 97.0 | | с/т | 9 |
| HILDEBRAND RD. | 1059 | 3.00 | 1 | 1981 | BUCK CR. DRAIN | 23.0 | 32.0 | 35C136 | 2003.0 | 97.0 | | сл | 9 |
| MCCULLEY RD. | 1173 | 0.85 | 1 | 1979 | J CANAL | 43.0 | 32.0 | 35C152 | 2003.0 | 97.0 | | сл | 9 |
| WILSON RD. | 1105 | 0.80 | 1 | 1978 | J CANAL | 49.0 | 32.1 | 35C209 | 2003.0 | 97.0 | | с/т | 9 |
| WU RD. | 1064 | 0.40 | 1 | 1974 | DRAIN DITCH | 27.0 | 32.0 | 35C210 | 2003.0 | 97.0 | | С/т | 9 |
| DREWS RD. | 599 | 13.10 | 1 | 1982 | SYCAN RIVER | 137.0 | 32.0 | 35C126 | 2003.0 | 97.4 | | <u> </u> | 8 |
| GODOWA SPRINGS <u>RD.</u> | 1193 | 1.20 | 1 | 1984 | SPRAGUE RIVER | 121.0 | 32.0 | 35C133 | 2003.0 | 97.9 | | <u> </u> | 9 |
| LAKEPORT BLVD | 562 | 0.82 | 2 | 1983 | DRAIN | 17.0 | 32.0 | 35C345 | 2003.0 | 97.9 | | сл | 17 |
| W. LANGELL VAL. RD. | 520 | 16.91 | 4 | 1995 | IRRIG. CANAL | 24.0 | 40.0 | 18C013 | 2003.0 | 97.9 | | c | 7 |
| HOMEDALE RD. | 830 | 1.70 | 1 | 2003 | A CANAL | 106.0 | 57.3 | 19068 | 2003.0 | 98.2 | | c | 16 |
| IVORY PINE RD | 1257 | 4.00 | 4 | 1985 | n. FK. Sprague R. | 72.0 | 32.0 | 35C222 | 2003.0 | 98.3 | | c | 7 |
| SILVER LAKE RD. | 676 | 7.65 | 2 | 1986 | LENZ CREEK | 72.0 | 32.0 | 35C365 | 2003.0 | 98.3 | | c | 7 |
| SILVER LAKE RD. | 676 | 17.48 | 5 | 1986 | WILLIAMSON R. | 72.0 | 32.0 | 18C033 | 2003.0 | 98.6 | | c | 7 |
| SILVER LAKE RD. | 676 | 9.21 | 3 | 1986 | WILLIAMSON R. | 71.0 | 32.0 | 18C031 | 2003.0 | 99.2 | | с | 7 |
| MODOC POINT RD. | 1334 | 7.32 | 1 | 1982 | WILLIAMSON RIVER | 220.0 | 32.4 | 5478A | 2003.0 | 99.4 | | с | 7 |
| GIFT RD. | 1224 | 0.44 | 1 | 1973 | LOST RIVER | 93.0 | 32.2 | 18C26A | 2003.0 | 61.1 | CAUTION ALL TIMBER | т | 7 |
| DEHLINGER RD. | 975 | 6.47 | 1 | 1975 | LOST RIVER | 92.0 | 32.2 | 18C24A | 2003.0 | 88.1 | CAUTION ALL TIMBER | т | 7 |

| ROAD NAME | RD # | | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Type | Fnct. |
|-----------------------|------|-------|------|---------------|-------------------------|----------------|----------------|--------------|---------------|-----------------------|--------------------|------|-------|
| JOE WRIGHT RD. | 803 | 0.50 | 1 | 1981 | LOST R. DIV.CH. | 190.0 | 44.3 | 35C336 | 2003.0 | 92.3 | LOAD RATED | C | 7 |
| HARPOLD RD. | 1097 | 14.88 | 1 | 2000 | LOST RIVER | 218.0 | 24.3 | 18669 | 2003.0 | 99.7 | AKA #07119 | с | 7 |
| S. POE VALLEY ROAD | 500 | 0.03 | 1 | 2000 | LOST RIVER | 151.0 | 34.7 | 18786 | 2003.0 | 99.5 | AKA #15448 | C/S | 7 |
| SEVENMILE RD. | 1349 | 5.90 | 4 | 1995 | SEVENMILE CREEK | 62.0 | 40.0 | 18043 | 2003.0 | 99.8 | AKA #18C004 | с | 7 |
| LOOSLEY RD. | 1332 | 0.70 | 1 | 1995 | WOOD RIVER | 65.0 | 32.0 | 17989 | 2003.0 | 100.0 | AKA #35C149 | с | 9 |
| REEDER RD. | 981 | 0.90 | 1 | 1998 | B CANAL | 46.0 | 24.0 | 18599 | 2003.0 | 99.9 | AKA #35C178 | с | 9 |
| TOWNSHIP RD. | 607 | 1.50 | 1 | 1999 | ADY CANAL | 64.0 | 30.2 | 18728 | 2003.0 | 98.6 | AKA #35C200 | с | 8 |
| SEVENMILE RD. | 1349 | 3.80 | 2 | 1999 | DRAIN DITCH | 40.0 | 32.0 | 186661 | 2003.0 | 99.8 | AKA #35C331 | с | 7 |
| CHEESE FACTORY RD. | 1088 | 0.20 | 2 | 2002 | IRRIG. CANAL | 30.0 | 32.0 | 19607 | 2003.0 | _99.9 | AKA 15445 | с | 7 |
| DIXON ROAD | 624 | 0.10 | 1 | 1978 | ANNIE CR. IR. DIT. | 37.0 | 32.5 | 35C122 | 2003.0 | 97.0 | CAUTION AGE, SPAN | сл | 9 |
| NICHOLSON RD. | 1419 | 0.05 | 1 | 1960 | CANAL- MELHASE DITCH | 23.0 | 32.0 | 35C165 | 2003.0 | 65.6 | CAUTION ALL TIMBER | т | 9 |
| TOWNSHIP RD. | 607 | 4.10 | 2 | 1968 | STRAITS DRAIN | 70.0 | 24.2 | 35C201 | 2003.0 | 68.1 | CAUTION ALL TIMBER | т | 8 |
| | 904 | 0.90 | 2 | 1974 | LOST RIVER | 124.0 | 32.0 | 35C211 | 2003.0 | 69.4 | CAUTION ALL TIMBER | т | 9 |
| GERBER RD. | 1218 | 9.70 | 2 | 1963 | BEN HALL CREEK | 60.0 | 20.0 | 35C218 | 2003.0 | 72.2 | CAUTION ALL TIMBER | т | 7 |
| SHORT RD. | 974 | 0.64 | 1 | 1980 | C CANAL | 75.0 | 32.0 | 18C21A | 2003.0 | 73.4 | CAUTION ALL TIMBER | т | 7 |
| GERBER RD. | 1218 | 0.55 | 1 | 1963 | IRRIG. CANAL | 21.0 | 24.0 | 35C217 | 2003.0 | 73.9 | CAUTION ALL TIMBER | Т | 7 |
| SADDLE MT. RD. | 747 | 0.30 | 1 | 1965 | SPRAGUE R. | 155.0 | 16.1 | 35C225 | 2003.0 | 74.5 | CAUTION ALL TIMBER | т | 9 |
| JOE WRIGHT RD. | 803 | 0.20 | 3 | 1970 | A-3 IRRIG. LAT. | 21.0 | 33.3 | 35C215 | 2003.0 | 74.6 | CAUTION ALL TIMBER | т | 7 |
| N. POE VALLEY RD. | 978 | 0.03 | 1 | 1964 | LOST R.@HARPOLD | 85.0 | 25.7 | 35C168 | 2003.0 | 78.0 | CAUTION ALL TIMBER | т | 8 |
| WEED RD. | 1333 | 4.11 | 3 | 1975 | WOOD RIVER | 95.0 | 32.2 | 35C206 | 2003.0 | 79.8 | CAUTION ALL TIMBER | Т | 9 |
| HOMEDALE RD. | 830 | 6.20 | 6 | 1963 | IRRIG. CANAL | 32.0 | 24.0 | 35C143 | 2003.0 | 79.9 | CAUTION ALL TIMBER | т | 8 |
| STATELINE RD. | 985 | 4.20 | 8 | 1965 | J-11 LATERAL | 19.0 | 25.5 | 35C193 | 2003.0 | 80.7 | CAUTION ALL TIMBER | т | 9 |
| STATELINE RD. | 985 | 3.60 | 6 | 1969 | J-10 LATERAL | 19.0 | 25.0 | 35C191 | 2003.0 | 80.8 | CAUTION ALL TIMBER | т | 9 |

| ROAD NAME | RD # | MP | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. |
|--------------------------|------|-------|------|---------------|----------------------|----------------|----------------|--------------|---------------|-----------------------|--------------------|------|-------|
| HOLL RD | 1175 | 1.60 | 1 | 1986 | LOW LINE CANAL | 16.0 | 25.0 | 35C186 | 2003.0 | 81.0 | CAUTION ALL TIMBER | т | 8 |
| SPRING LAKE RD. | 876 | 2.31 | 1 | 1971 | DRAIN DITCH | 71.0 | 29.5 | 18C020 | 2003.0 | 81.9 | CAUTION ALL TIMBER | т | 7 |
| E. LANGELL VALLEY RD. | 1211 | 6.40 | 3 | 1965 | IRRIG. CANAL | 15.0 | 25.0 | 35C361 | 2003.0 | 83.2 | CAUTION ALL TIMBER | т | 7 |
| HILL ROAD | 566 | 12.20 | 2 | 1965 | IRRIG. CANAL | 25.0 | 27.3 | 35C138 | 2003.0 | 83.4 | CAUTION ALL TIMBER | т | 9 |
| W. LANGELL VAL. RD. | 520 | 7.41 | 2 | 1968 | IRRIG. CANAL | 27.0 | 27.5 | 18C011 | 2003.0 | 84.9 | CAUTION ALL TIMBER | т | 7 |
| OLD MIDLAND RD. | 888 | 4.30 | 2 | 1971 | IRRIG. CANAL | 25.0 | 33.0 | 35C171 | 2003.0 | 85.8 | CAUTION ALL TIMBER | т | 7 |
| MILITARY CROSSING RD | 677 | 9.20 | 1 | 1962 | WILLIAMSON R. | 47.0 | 24.0 | 35C163 | 2003.0 | 86.0 | CAUTION ALL TIMBER | т | 9 |
| ANDERSON RD. | 984 | 1.10 | 5 | 1967 | IRRIG. CANAL | 21.0 | 24.6 | 35C107 | 2003.0 | 86.5 | CAUTION ALL TIMBER | Т | 9 |
| SWAN LAKE RD. | 971 | 15.30 | 1 | 1973 | DRAIN CHANNEL | 25.0 | 31.0 | 35C197 | 2003.0 | 86.7 | CAUTION ALL TIMBER | т | 9 |
| CAMPBELL RD. | 1210 | 1.60 | 2 | 1981 | DITCH | 32.0 | 32.2 | 35C117 | 2003.0 | 86.8 | CAUTION ALL TIMBER | т | 8 |
| IVORY PINE RD | 1257 | 1.00 | 1 | 1971 | s. FK. Sprague R. | <u>95.0</u> | 32.2 | 35C219 | 2003.0 | 88.0 | CAUTION ALL TIMBER | т | 7 |
| CAMPBELL RD. | 1210 | 9.40 | 5 | 1982 | N. FK. SPRAGUE R. | 55.0 | 32.0 | 35C228 | 2003.0 | 89.5 | CAUTION ALL TIMBER | т | 9 |
| CAMPBELL RD. | 1210 | 1.80 | 3 | 1980 | S. FK. SPRAGUE R. | 63.0 | 32.3 | 35C116 | 2003.0 | 90.6 | CAUTION ALL TIMBER | т | 8 |
| MCQUISTON RD. | 1343 | 1.90 | 2 | 1984 | SEVENMILE CANAL | 63.0 | 32.0 | 35C154 | 2003.0 | 91.9 | CAUTION ALL TIMBER | т | 9 |
| SPRING LAKE RD. | 876 | 1.60 | 3 | 1961 | IRRIG. CANAL | 21.0 | 30.8 | 18C018 | 2003.0 | 95.5 | CAUTION ALL TIMBER | т | 7 |
| STATELINE RD. | 985 | 1.90 | 3 | 1972 | J-7 LATERAL | 21.0 | 30.0 | 35C188 | 2003.0 | 95.8 | CAUTION ALL TIMBER | т | 9 |
| SCHAUPP RD. | 1116 | 0.50 | 1 | 1961 | F CANAL | 14.0 | 22.0 | 35C183 | 2003.0 | 96.0 | CAUTION ALL TIMBER | т | 9 |
| LAKEPORT BLVD | 562 | 0.01 | 1 | 1972 | SPRR O-XING | 68.0 | 32.0 | 35C224 | 2003.0 | 96.1 | CAUTION ALL TIMBER | т | 17 |
| STATELINE RD. | 985 | 0.05 | 11 | 1972 | J-3 LATERAL | 16.0 | 32.0 | 35C187 | 2003.0 | 96.7 | CAUTION ALL TIMBER | т | 9 |
| STATELINE RD. | 985 | 5.00 | 9 | 1963 | J-13 LATERAL | 18.0 | 32.0 | 35C194 | 2003.0 | 96.7 | CAUTION ALL TIMBER | т | 9 |
| STATELINE RD. | 985 | 2.50 | 4 | 1973 | J-8 LATERAL | 21.0 | 33.7 | 35C189 | 2003.0 | 96.8 | CAUTION ALL TIMBER | т | 9 |
| STATELINE RD. | 985 | 3.05 | 5 | 1971 | J-9 LATERAL | 21.0 | 34.1 | 35C190 | 2003.0 | 96.8 | CAUTION ALL TIMBER | т | 9 |
| DIXON ROAD | 624 | 1.10 | 2 | 1978 | WOOD RIVER | 82.0 | 32.0 | 35C123 | 2003.0 | 97.0 | CAUTION ALL TIMBER | т | 9 |

| ROAD NAME | RD # | MP | <u>BG #</u> | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. Cl |
|--------------------------|------|-------|-------------|---------------|-----------------------|----------------|----------------|--------------|---------------|-----------------------|---------------------------------------|----------|-------------|
| SUMMERS LANE | 854 | 0.10 | 1 | 1982 | 1-C DRAIN | 25.0 | 32.0 | 35C341 | 2003.0 | 97.0 | CAUTION ALL TIMBER | <u> </u> | 16 |
| ANDERSON RD. (IOOF) | 984 | 0.30 | 1 | 1970 | IRRIG. CANAL | 39.0 | 28.1 | 35C146 | 2003.0 | 84.0 | CAUTION ALL TIMBER | <u>T</u> | 9 |
| E. LANGELL VALLEY RD. | 1211 | 13.00 | 5 | 1975 | MILLER CREEK | 82.0 | 32.8 | 18C16A | 2003.0 | 86.7 | CAUTION ALL TIMBER - Struct. Def. | <u></u> | 7 |
| MICKA RD. | 1078 | 0.60 | 1 | 1989 | IR.CANAL-BOX CULV. | 155.0 | 12.0 | 35C162 | 2003.0 | 100.0 | CONC. BOX CULVERT | C | 9 |
| E. LANGELL VALLEY RD. | 1211 | 0.10 | 1 | 1955 | LOST RIVER | 205.0 | 34.7 | 15442 | 2003.0 | 62.9 | Conc. Deck over Timber Sub. | с/т | 7 |
| HOPE STREET | 816 | 0.64 | 1 | 1960 | A CANAL | 154.0 | 34.8 | 8104 | 2003.0 | 76.7 | FUNC. OBSOLETE | С | 17 |
| SHASTA WAY | 870 | 0.90 | 1 | 1979 | A CANAL | 87.0 | 55.5 | 35C184 | 2003.0 | 79.4 | LOAD RATED | С | 16 |
| HOMEDALE RD. | 830 | 4.80 | 5 | 1979 | LOST R. DIV.CH. | 121.0 | 44.4 | 35C142 | 2003.0 | 81.3 | LOAD RATED | С | 9 |
| CHEESE FACTORY RD. | 1088 | 0.67 | 1 | 1985 | LOST RIVER | 132.0 | 32.0 | 15444A | 2003.0 | 89.4 | LOAD RATED | С | 7 |
| MALONE RD. | 993 | 0.97 | 2 | 1989 | LOST RIVER | 309.0 | 32.0 | 35C156 | 2003.0 | 94.2 | LOAD RATED | С | 9 |
| HOMEDALE RD. | 830 | 4.60 | 4 | 1979 | NO. 1 DRAIN | 53.0 | 32.0 | 35C141 | 2003.0 | 96.9 | LOAD RATED | C | 8 |
| OLD MIDLAND RD. | 888 | 3.70 | 1 | 1999 | IRRIG. CANAL | 28.0 | 35.0 | 35C380 | 2003.0 | 99.8 | New Conc. Pre-fab Brg. | с | 9 |
| CRYSTAL SPRINGS RD. | 976 | 2.60 | 2 | 1940 | IRRIG. CANAL | 5.0 | 32.0 | 35C356 | 1996.0 | 94.9 | Not on insp. list due to short length | x | 7 |
| CRYSTAL SPRINGS RD | 976 | 4.05 | 3 | 1940 | IRRIG. CANAL | 5.0 | 32.0 | 35C357 | 1996.0 | 96.9 | Not on insp. list due to short length | x | 7 |
| PINECONE DRIVE | 739 | 1.20 | 1 | 1964 | WILLIAMSON R. | 82.0 | 21.5 | 35C176 | 2003.0 | 83.0 | Posted 30 Tons, Struc. Def. | T/C/S | 9 |
| JOHNSON RD. | 1217 | 1.00 | 1 | 1978 | LOST RIVER | 59.0 | 20.1 | 35C147 | 2003.0 | 79.0 | POSTED FOR LOAD | т | 8 |
| S. POE VALLEY RD. | 500 | 2.92 | 4 | 1940 | F CANAL | 12.0 | 27.0 | 35C351 | 2003.0 | 80.9 | RCBC | с | 7 |
| S. POE VALLEY RD. | 500 | 1.84 | 3 | 1940 | F CANAL | 12.0 | 34.0 | 35C350 | 2003.0 | 96.5 | RCBC | с | 7 |
| S. POE VALLEY RD. | 500 | 3.99 | 5 | 1940 | F CANAL | 12.0 | 34.0 | 35C352 | 2003.0 | 96.5 | RCBC | с | 7 |
| HARPOLD RD. | 1097 | 3.10 | 3 | 1950 | IRRIG. CANAL | 6.0 | 33.0 | 35C358 | 2003.0 | 96.7 | RCBC | с | 7 |
| HARPOLD RD. | 1097 | 2.80 | 2 | 1950 | DRAIN DITCH | 13.0 | 33.0 | 35C363 | 2003.0 | 96.7 | RCBC | С | 7_ |
| TINGLEY ROAD | 528 | 1.75 | 1 | 1960 | IRRIG. CANAL | 10.0 | 32.0 | 35C348 | 2003.0 | 96.7 | RCBC | С | 8 |
| NICHOLSON RD. | 1419 | 1.85 | 2 | 1960 | ANNIE CREEK | 26.0 | 30.0 | 35C166 | 2003.0 | 96.8 | RCBC | с | 9 |

| ROAD NAME | RD # | MP | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. Cl |
|--------------------------|------|-------|------|---------------|---------------------------|----------------|----------------|--------------|---------------|-----------------------|----------------------------------|------|-------------|
| SILVER LAKE RD. | 676 | 34.70 | 8 | 1959 | CATTLE PASS | 12.0 | 33.0 | 35C354 | 2003.0 | 96.9 | RCBC | с | 7 |
| SILVER LAKE RD. | 676 | 35.46 | 9 | 1959 | BEAR CR/CATTLE PASS | 12.0 | 33.0 | 35C355 | 2003.0 | 96.9 | RCBC | С | 7 |
| S. POE VALLEY RD. | 500 | 0.34 | 2 | 1940 | F CANAL | 12.0 | 24.0 | 35C349 | 2003.0 | 82.4 | RCBC | с | 7 |
| BUNN RD. | 1204 | 1.10 | 1 | 1996 | IRRIG. CANAL | 9.0 | 42.0 | 35C114 | 2003.0 | 96.7 | RCBC NOV. 1996 | с | 9 |
| CALLAHAN RD. | 1086 | 0.70 | 1 | | WILDHORSE DRAIN | | | 35C346 | | 100.0 | REPLACED WITH 7 FOOT CMP | х | |
| SPRAGUE RIVER RD. | 858 | 31.10 | 6 | 1970 | DRAIN CHANNEL | 24.0 | 28.0 | 18C008 | 2003.0 | 76.7 | REPLACED WITH CMP | х | 7 |
| HORTON RD. | 1127 | 0.30 | 1 | 1968 | DRAIN DITCH | 9.0 | 29.0 | 35C144 | 2003.0 | 70.0 | Replaced with Culvert | х | |
| E. LANGELL VALLEY RD. | 1211 | 5.20 | 2 | 1967 | LOST RIVER | 157.0 | 28.0 | 18C017 | 2003.0 | 61.1 | STRUC. DEF. [Rehabed 2000] | т | 7 |
| IOOF CEMETERY RD. | 988 | 0.70 | 1 | 1972 | IRRIG. CANAL | 35.0 | 32.0 | 35C145 | 2003.0 | 65.0 | STRUCT DEF. | сл | 9 |
| REEDER RD. | 981 | 1.65 | 2 | 1975 | B CANAL | 39.0 | 32.0 | 35C179 | 2003.0 | 69.8 | STRUCT DEF. | сл | 9 |
| SPRAGUE RIVER RD. | 858 | 24.05 | 4 | 1944 | SPRAGUE R. | 218.0 | 30.9 | 6835 | 2003.0 | 14.5 | STRUCT. DEF. | С | 7 |
| SPRAGUE RIVER RD. | 858 | 5.79 | 1 | 1944 | SPRAGUE R. | 167.0 | 30.7 | 6745 | 2003.0 | 24.2 | STRUCT. DEF. | с | 7 |
| SPRAGUE RIVER RD. | 858 | 11.53 | 2 | 1944 | SPRAGUE R. | 241.0 | 30.8 | 6746 | 2003.0 | 36.4 | STRUCT. DEF. | с | 7 |
| CHILOQUIN RDG. RD. | 652 | 0.10 | 1 | 1958 | SPRAGUE R. | 182.0 | 26.7 | 35C120 | 2003.0 | 64.5 | STRUCT. DEF. | с | 9 |
| WASHBURN WAY | 875 | 0.03 | 2 | 1981 | IRRIG. CANAL | 41.0 | 32.0 | 35C342 | 2003.0 | 70.0 | STRUCT. DEF. | сл | 16 |
| DEHLINGER RD. | 975 | 5.20 | 2 | 1968 | G CANAL | 43.0 | 28.3 | 18C023 | 2003.0 | 67.1 | STRUCT. DEF. | С/Т | 7 |
| CRYSTAL SPRINGS RD. | 976 | 0.02 | 1 | 1967 | LOST RIVER | 219.0 | 32.2 | 18C025 | 2003.0 | 46.9 | STRUCT. DEF. (POSTED 10 TONS) | т | 7 |
| SPRAGUÉ RIVER RD. | 858 | 34.20 | 7 | 1980 | WHISKEY CR. | 21.0 | 32.0 | 18C009 | 2003.0 | 69.7 | | сл | 7 |
| CAMPBELL RD. | 1210 | 0.90 | 1 | 1974 | DRAIN DITCH | 21.0 | 32.0 | 35C118 | 2003.0 | 69.8 | | сл | 8 |
| WILLIAMSON RD. | 600 | 6.50 | 1 | 1979 | DRAIN | 16.0 | 32.0 | 35C334 | 2003.0 | 69.8 | | с/т | 7 |
| LONE PINE RD. | 852 | 4.60 | 1 | 1976 | CREEK | 21.0 | 32.0 | 35C148 | 2003.0 | 80.9 | | сл | 7 |
| ROCKY POINT RD | 529 | 0.90 | 2 | 1965 | FOURMILE CR. | 80.0 | 34.0 | 35C182 | 2003.0 | 85.6 | | С | 9 |

| ROAD NAME | RD # | MP | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. |
|-----------------------|------|-------|------|---------------|----------------------|----------------|----------------|--------------|---------------|-----------------------|---------|------|-------|
| REILING RD. | 966 | 0.60 | 2 | 1988 | F CANAL | 22.0 | 24.0 | 35C337 | 2003.0 | 88.0 | | сл | 9 |
| WEST SIDE RD | 531 | 14.90 | 3 | 1967 | ROCK CR. | 18.0 | 38.0 | 35C353 | 2003.0 | 88.1 | | с | 7 |
| HILYARD AVE. | 892 | 0.78 | 1 | 1983 | 1-C DRAIN | 17.0 | 32.0 | 35C344 | 2003.0 | 89.7 | | сл | 17 |
| WEBBER RD. | 1085 | 0.20 | 1 | 1991 | IRRIG. CANAL | 18.0 | 32.0 | 35C202 | 2003.0 | 91.8 | | с | 9 |
| TEARE RD. | 1161 | 1.75 | . 1 | 1982 | DRAIN DITCH | 21.0 | 32.0 | 35C198 | 2003.0 | 91.9 | | С/Т | 7 |
| | 531 | 8.40 | 1 | <u>1980</u> | THREEMILE CR. | 20.0 | 56.0 | 35C332 | 2003.0 | 91.9 | | C | 7 |
| REILING RD. | 966 | 0.20 | 1 | 1990 | F CANAL | 20.0 | 32.0 | 35C181 | 2003.0 | 92.0 | | сл | 9 |
| GERBER RD. | 1218 | 13.00 | 3 | 1978 | BARNES CREEK | 15.0 | 20.0 | 35C362 | 2003.0 | 94.7 | | сл | 7 |
| HOMEDALE RD. | 830 | 1.60 | 2 | 1980 | IRRIG. CANAL | 21.0 | 56.3 | 35C139 | 2003.0 | 95.8 | | сл | 9 |
| SILVER LAKE RD. | 676 | 2.80 | 1 | 1978 | DRAIN CHANNEL | 17.0 | 32.0 | 35C335 | 2003.0 | 96.3 | | сл | 7 |
| LOWER LAKE RD. | 791 | 13.70 | 1 | 1975 | IRRIG. CANAL | 21.0 | 32.0 | 35C150 | 2003.0 | 96.8 | | сл | 9 |
| NICHOLSON RD. | 1419 | 2.20 | 3 | 1984_ | CREEK | 15.0 | 32.0 | 35C167 | 2003.0 | 96.8 | | сл | 9 |
| OLD MIDLAND RD. | 888 | 5.30 | 3 | 1975 | IRRIG. CANAL | 21.0 | 32.1 | 35C172 | 2003.0 | 96.8 | | сл | 9 |
| ANDERSON RD. | 984_ | 0.70 | 4 | 1981 | IRRIG. CANAL | 21.0 | 32.4 | 35C106 | 2003.0 | 96.9 | | сл | 8 |
| BOARDMAN AVE. | 1312 | 0.45 | 1 | 1981 | 1-C DRAIN | 16.0 | 32.0 | 35C339 | 2003.0 | 96.9 | | сл | 19 |
| DAY SCHOOL RD. | 753 | 0.05 | 1 | 1991 | IRRIG. CANAL | 21.0 | 32.0 | 35C121 | 2003.0 | 96.9 | | сл | 8 |
| MERRILL PIT RD. | 983 | 0.70 | 2 | 1985 | C CANAL | 21.0 | 32.0 | 35C160 | 2003.0 | 96.9 | | сл | 9 |
| TEARE RD. | 1161 | 2.40 | 2 | 1984 | IRRIG. CANAL | 12.0 | 32.0 | 35C199 | 2003.0 | 96.9 | | сл | 7 |
| ALGOMA RD. | 671 | 2.40 | 1 | 1981 | CATTLE PASS/DRAIN | 17.0 | 32.0 | 35C104 | 2003.0 | 97.0 | | сл | 8 |
| EZELL STREET | 598 | 0.15 | 1 | 1983 | 1-C DRAIN | 17.0 | 32.0 | 35C347 | 2003.0 | 97.0 | | С/Т | 8 |
| GODOWA SPRINGS RD. | 1193 | | 2 | 1992 | DRAIN | 16.0 | 32.0 | 35C367 | 2003.0 | 97.0 | | сл | 9 |
| MCCARTY LANE | 1156 | 3.65 | 1 | 1982 | DRAIN DITCH | 17.0 | 32.0 | 35C151 | 2003.0 | 97.0 | | сл | 7 |
| WEED RD. | 1333 | 3.40 | 1 | 1982 | DRAIN DITCH | 17.0 | 32.0 | 35C203 | 2003.0 | 97.0 | | сл | 7 |

| ROAD NAME | RD # | MP | BG # | YEAR BUILT | INTERSECTS | Lgth. (ft.) | Width (ft.) | STATE ID# | YEAR RATED | SUFFICIENCY RATING | REMARKS | Туре | Fnct. Cl |
|------------------------|-----------------------|----|------|------------------------------|------------------------------|----------------|----------------|--------------|---------------|-----------------------|---------------------------------------|------|-------------|
| ANDERSON RD. (IOOF) | 984 | | 2 | 1930 | LOST RIVER(CLOSED) | 53.0 | 17.6 | 35C213 | CLOSED | | | x | 9 |
| | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| | Functional Class Def. | | | 7 = Rural Major Collector | | | | | Type Def. | C = Concrete | | | |
| | | | | | 8 = Rural Minor Collector | | | | | | T = Timber | | |
| | | | | | 9 = Rural Local Road | | | | | | | | |
| | | | | | 16 = Urban Minor Arterial | | | | | | | | |
| | | | | | 17 = Urban Collector | | | | | | | | |
| | | | | | 19 = Urban Local Street | | | | | | | | |

Appendix D –ODOT Highway Road Conditions

ODOT Highway Road Conditions in Klamath County

| | | | | | | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | |
|---|----------|------|--------|---|--------|--------|--------|---------|--------------|---------|---------|---------|-----------|------------|
| | | Road | OR | | Beg | End | | Overall | Rut | Fatigue | Patch | NoLoad | Ravelling | 2003 |
| | District | ID | Sheild | Section Name | MP | MP | Length | Index | Index | Index | Index | Index | Index | Condition* |
| 2 | 5 | 18 | OR 58 | Viaduct - Klamath Co. Line | 56.18 | 62.07 | 5.89 | 89.60 | 97.60 | 97.10 | 95.10 | 100.00 | 99.30 | GD |
| 2 | 5 | 18 | OR 58 | Lane Co. Line - Odell Maint. Station Rd. | 62.07 | 64.24 | 2.17 | 50.40 | 98.20 | 51.20 | 98.70 | 100.00 | 99.90 | FR |
| 2 | 5 | 18 | OR 58 | Odell Maint. Station Rd E. Odell Lake Rd. | 64.24 | 67.64 | 3.40 | 99.50 | 99.50 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 2 | 5 | 18 | | E. Odell Lake Rd Crescent Lake Jct. | 67.64 | 69.60 | 1.96 | 95.60 | 96.80 | 100.00 | 98.50 | 100.00 | 100.00 | GD |
| 2 | 5 | 18 | OR 58 | Crescent Lake Jct MP 70.0 | 69.60 | 70.00 | 0.40 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 2 | 5 | 429 | | Jct. Hwy 18 - Crescent Lake | 0.00 | 2.39 | 2.39 | 20.50 | | | | | | PŔ |
| 3 | 8 | 21 | | Pinehurst - Johnson Prairie | 23.57 | 31.00 | 7.43 | 57.00 | <u> </u> | | | | | FR |
| 3 | 8 | 21 | OR 66 | Johnson Prairie - Ward Rd. | 31.00 | 38.75 | 7.75 | | | | | | | UC |
| 3 | 8 | 21 | | Ward Rd Spencer Bridge | 38.75 | 43.86 | 5.11 | | | | | | | UC |
| 4 | 11 | 20 | | Jct. Hwy 50 - MP 11.0 (SCS=R) | 5.48 | 5.54 | 0.06 | 93.60 | 95.00 | 100.00 | 100.00 | 95.30 | 100.00 | GD |
| 4 | 11 | 20 | | Jct. Hwy 50 - MP 11.0 | 5.54 | 11.00 | 5.46 | 68.10 | 79.30 | 87.70 | 98.70 | 95.80 | 100.00 | FR |
| 4 | 11 | 20 | | Jct. Hwy 50 - MP 11.0 (SCS=S) | 5.54 | 5.60 | 0.06 | 92.90 | 95.00 | 100.00 | 100.00 | 92.90 | 100.00 | GD |
| 4 | 11 | 20 | | MP 11.0 - MP 16.0 | 11.00 | 15.70 | 4.70 | 54.70 | 81.60 | 71.60 | 92.60 | 92.90 | 99.00 | FR |
| 4 | 11 | 20 | OR 140 | MP 16.0 - Ritter Rd. | 15.70 | 25.17 | 9.47 | 61.10 | 95.80 | 69.70 | 98.30 | 90.40 | 99.00 | FR |
| 4 | 11 | 20 | | Ritter Rd Sprague River Rd. | 25.17 | 35.90 | 10.73 | 24.70 | 87.70 | 44,90 | 81.40 | 64.80 | 100.00 | PR |
| 4 | 11 | 20 | | Sprague River Rd Scyan Marsh Rd. | 35.90 | 42.20 | 6.30 | 45.00 | 75.80 | 68.40 | 97.60 | 76.70 | 100.00 | PR |
| 4 | 11 | 20 | | Scyan Marsh Rd Bly | 42.20 | 54.11 | 11.91 | 82.10 | 88.00 | 95.30 | 96.70 | 96.60 | 100.00 | GD |
| 4 | 11 | 20 | | Bly - Forest Boundary | 54.11 | 63.94 | 9.79 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 11 | 21 | | Spencer Bridge - Klamath River | 43.86 | 49.96 | 6.10 | 93.40 | | | | | | GD |
| 4 | 11 | 21 | | Klamath River - MP 52 | 49.96 | 52.10 | 2.14 | 75.00 | | | | | | FR |
| 4 | 11 | 21 | OR 66 | MP 52 - Kern Swamp Rd. | 52.10 | 53.65 | 1.55 | 69.00 | | | | | | FR |
| 4 | 11 | 21 | OR 66 | Kern Swamp Rd Weyerhaeuser Rd. | 53.65 | 56.72 | 3.07 | 86.50 | | | | | | GD |
| 4 | 11 | 21 | OR 66 | Weyerhaeuser Rd Jct. Hwy 270 | 56.72 | 58.86 | 2.14 | 41.50 | | | | | | PR |
| 4 | 11 | 21 | OR 66 | Jct. Hwy 270 - Jct. Hwy 004 | 58.86 | 59.05 | 0.19 | 31.30 | 95.00 | 44.90 | 86.50 | 79.50 | 100.00 | PR |
| 4 | 11 | 21 | OR 66 | Jct. Hwy 270 - Jct. Hwy 004 | 58.99 | 59.29 | 0.30 | 41.90 | 96.70 | 59.40 | 100.00 | 72.40 | 100.00 | PR |
| 4 | 11 | 22 | OR 62 | Crater Lake National Park - Weed Rd. | 83.63 | 90.00 | 6.37 | | | | | | | ÜC |
| 4 | 11 | 22 | OR 62 | Weed Rd Loosely Rd. | 90.00 | 93.28 | 3.24 | 91.10 | 1 | | | | | GD |
| 4 | 11 | 22 | OR 62 | Loosely Rd Jct. Hwy 422 | 93.28 | 98.55 | 5.27 | 98.40 | 1 | | | | | VG |
| 4 | 11 | 22 | OR 62 | Jct. Hwy 422 - Jct. Hwy 004 | 98.55 | 103.95 | 5.40 | 27.50 | 1 | | | | | PR |
| 4 | 11 | 22 | OR 62 | Jct. Hwy 422 - Jct. Hwy 004 | 103.72 | 103.79 | 0.07 | 75.00 | | | | | | FR |
| 4 | 11 | 23 | OR 70 | Jct. Hwy 020 - Bonanza | 0.00 | 6.97 | 6.97 | 88.80 | <u> </u> | | · · · · | | | GD |
| 4 | 11 | 50 | OR 39 | Jct. Hwy 004 - Jct. Hwy 020 | -6.92 | -2.24 | 4.68 | | | | | | | UC |
| 4 | 11 | 50 | OR 39 | Jct. Hwy 004 - Jct. Hwy 020 | -6.81 | -5.40 | 1.41 | | | | | 1 | | UC |
| 4 | 11 | 50 | OR 39 | Jct. Hwy 020 - MP 7.0 | 0.00 | 7.00 | 7.00 | 67.00 | 71.50 | 97.40 | 98.30 | 94.50 | 100.00 | FR |
| 4 | 11 | 50 | | Esplanade St. Spur (PCC) | 4.97 | 5.06 | 0.09 | 86.50 | 1 1100 | | | | 100.00 | GD |
| 4 | 11 | 50 | | Esplanade St. Spur (AC) | 5.06 | 5.10 | 0.04 | 98.00 | | | | | | GD |
| 4 | 11 | 50 | | MP 7.0 - Merrill Pit Rd. | 7.00 | 11.60 | 4.60 | 43.90 | 97.10 | 97.90 | 45.10 | 99.60 | 100.00 | PR |
| 4 | 11 | 50 | | Merrill Pit Rd N. Polk St. | 11.60 | 13.73 | 2.13 | | 0,110 | 01.00 | -101.10 | 00.00 | 100.00 | UČ |
| 4 | 11 | 50 | | N. Polk St SCL Merrill | 13.73 | 14.50 | 0.77 | 43.80 | 95.00 | 59.00 | 82.20 | 88.00 | 100.00 | PR |
| 4 | 11 | 50 | | SCL Merrill - MP 16.51 | 14.50 | 16.51 | 2.01 | 54.20 | 82.90 | 61.30 | 95.90 | 98.20 | 99.00 | FŔ |
| 4 | 11 | 50 | | MP 16.51 - Paygr Rd. | 16.51 | 20.81 | 4.30 | 04.20 | 02.30 | 01.00 | 30.30 | 30.20 | 33.00 | |
| 4 | 11 | 50 | | Paygr Rd S. Malin Rd. | 20.81 | 24.30 | 3.49 | | 1 | | | | | |
| 4 | 11 | 50 | | S. Malin Rd CA State Line | 24.30 | 27.10 | 2.80 | | | | | <u></u> | | |
| 4 | 11 | 270 | | Hanley Ranch - Fish Lake Rd. | 16.04 | 25.92 | 9.88 | 36.40 | 89.50 | 48.00 | 79.50 | 97.30 | 100.00 | PR |
| 4 | 11 | 270 | | Fish Lake Rd Dead Indian Rd. | 25.92 | 37.50 | 11.58 | 55.50 | 89.80 | 61.00 | 98.70 | 97.30 | 100.00 | FR |
| 4 | 11 | 270 | | Dead Indian Rd Fourmile Flat Rd. | 37.50 | 41.50 | 4.00 | 74.80 | 93.40 | 83.00 | 97.10 | 92.10 | 100.00 | FR FR |
| 4 | 11 | 270 | | Fourmile Flat Rd MP 50.8 | 41.50 | 50.80 | 9.30 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 11 | 270 | | MP 50.8 - Eagle Ridge Rd. | 50.80 | 50.80 | 9.30 | 68.70 | | | | | 100.00 | FR FR |
| 4 | | 270 | | | | | | | 91.50 | 85.90 | 95.00 | 83.40 | | |
| | 11 | | | Eagle Ridge Rd Lake Shore Drive | 51.52 | 62.40 | 10.88 | 58.70 | 95.60 | 81.50 | 78.40 | 96.30 | 100.00 | FR |
| 4 | 11 | 004 | | District Boundary - MP 231 | 227.77 | 231.00 | 3.23 | 96.60 | 96.80 | 100.00 | 100.00 | 99.80 | 100.00 | GD |
| 4 | 11 | 004 | | MP 231 - MP 233 | 231.00 | 233.00 | 2.00 | 95.80 | 95.80 | 100.00 | 100.00 | 100.00 | 100.00 | GD |
| 4 | 11 | 004 | | MP 233 - Forge Rd. | 233.00 | 241.00 | 8.00 | 96.20 | 96.70 | 100.00 | 99.60 | 100.00 | 100.00 | GD |
| 4 | 11 | 004 | US 97 | Forge Rd MP 250 | 241.00 | 249.99 | 8.99 | 58.00 | 87.50 | 85.60 | 73.80 | 99.90 | 100.00 | FR |
| 4 | 11 | 004 | US 97 | MP 250 - Lobert Jct. | 250.00 | 252.10 | 2.10 | 54.60 | 61.90 | 83.70 | 91.00 | 95.20 | 95.20 | FR |
| 4 | 11 | 004 | US 97 | Lobert Jct Lobert O-XING | 252.10 | 252.60 | 0.50 | 96.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | GD |
| 4 | 11 | 004 | US 97 | Lobert O-XING - MP 256.5 | 252.60 | 256.50 | 3.90 | 64.30 | 92.10 | 75.40 | 86.00 | 94.60 | 99.50 | FR |

ODOT Highway Road Conditions in Klamath County

| ODOT H | lighway | Road (| Conditio | ns in Klamath County | | | | | | | | | | |
|--------|----------------|--------|----------|---|--------|--------|--------|---------|---|---------|---------------|--------|-----------|------------|
| | | | | | | | | 2003 | 2003 | 2003 | 2003 | 2003 | 2003 | |
| | | Road | OR | | Beg | End | | Overali | Rut | Fatigue | Patch | NoLoad | Ravelling | 2003 |
| Region | District | ID | Sheild | Section Name | MP | MP | Length | Index | Index | Index | Index | Index | Index | Condition* |
| 4 | 11 | 004 | | MP 256.5 - Modoc Point | 256.50 | 257.69 | 1.19 | 71.80 | 99.60 | 79.70 | 9 <u>1.80</u> | 14.40 | 15.70 | FR_ |
| 4 | 11 | 004 | | Modoc Point - Algoma Rd. | 257.69 | 263.00 | 5.31 | 97.70 | 99.10 | 99.00 | 99.40 | 100.00 | 100.00 | GD |
| 4 | 11 | 004 | | Algoma Rd Wocus Rd. | 263.00 | 269.43 | 6.43 | 99.00 | 99.10 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 11 | 004 | | Wocus Rd K Falls/Malin Int. | 269.43 | 272.72 | 3.29 | | | | | | | UC |
| 4 | 11 | 004 | | NCL K Falls - K Falls/Malin Int. | 272.35 | 272.92 | 0.57 | | | | | | | UC |
| 4 | 11 | 004 | US 97 | K Falls/Malin Int O-XING Hwy 20 | 272.72 | 274.92 | 2.20 | 90.40 | 97.30 | 96.00 | 95.90 | 100.00 | 100.00 | GD |
| 4 | 11 | 004 | US 97 | O-XING Hwy 20 - Link River | 274.92 | 275.15 | 0.23 | | | | | | | ST |
| 4 | 11 | 004 | US 97 | O-XING Hwy 20 - SCL K Falls | 275.15 | 277.61 | 2.46 | 92.70 | 92.80 | 100.00 | 100.00 | 100.00 | 100.00 | GD |
| 4 | 11 | 004 | US 97 | O-XING Hwy 20 - SCL K Falls | 275.41 | 277.37 | 1.96 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 11 | 004 | US 97 | SCL K Falls - Midland | 278.03 | 280.51 | 2.48 | 97.40 | 97.40 | 100.00 | 100.00 | 100.00 | 100.00 | GD |
| 4 | 11 | 004 | US 97 | Midland - State Line | 280.51 | 291.73 | 11.22 | 99.20 | 99.70 | 100.00 | 99.40 | 100.00 | 100.00 | VG |
| 4 | 11 | 270 | OR 140 | Lake Shore Drive - Jct. Hwy 21 | 62.40 | 68.76 | 6.36 | 82.10 | 94.50 | 94.00 | 100.00 | 87.70 | 100.00 | GD |
| 4 | 11 | 420 | OR 140 | Jct. Hwy 20 - Laverne Ave. | 0.00 | 1.33 | 1.33 | 66.00 | | | | | | FR |
| 4 | 11 | 420 | OR 140 | Laverne Ave Joe Wright Rd. | 1.33 | 3.75 | 2.42 | 38.00 | 1. J. | | | | | PR |
| 4 | 11 | 420 | OR 140 | Joe Wright Rd Jct. Hwy 004 | 3.75 | 5.65 | 1.90 | 38.00 | | | | | | PR |
| 4 | 11 | 422 | OR 140 | Modoc Point Rd Jct. Hwy 004 | 0.00 | 5.29 | 5.29 | 45.00 | | | | | | PR |
| 4 | 11 | 422 | OR 140 | Chiloquin Spur | 4.39 | 4.58 | 0.19 | 31.00 | | | | | | PR |
| 4 | 11 | 424 | OR 140 | Jct. Hwy 004 - Klamath River Bridge | 0.00 | 0.90 | 0.90 | 66.40 | 84.30 | 78.90 | 92.60 | 94.30 | 100.00 | FR |
| 4 | 11 | 424 | OR 140 | Klamath River Bridge - Altamont Dr. | 0.90 | 3.31 | 2.41 | 93.30 | 94.80 | 100.00 | 99.80 | 96.70 | 100.00 | GD |
| 4 | 11 | 424 | OR 140 | Altamont Dr Jct. Hwy 50 | 3.37 | 5.97 | 2.60 | | | | | | | UC |
| 4 | 11 | 426 | OR 140 | Jct. Hwy 50 - CA State Line | 16.51 | 18.93 | 2.42 | 51.00 | 95.50 | 62.00 | 94.20 | 87.60 | 100.00 | FR |
| 4 | 10 | 004 | US 97 | Jct. Fremont Hwy - Hackett Dr. | 169.83 | 177.10 | 7.27 | 87.50 | 99.70 | 99.50 | 99.20 | 88.80 | 100.00 | GD |
| 4 | 10 | 004 | US 97 | Hackett Dr MP 183 | 177.10 | 183.00 | 5.90 | 63.30 | 75.10 | 91.20 | 86.80 | 94.40 | 100.00 | FR |
| 4 | 10 | 004 | US 97 | MP 183 - Crescent Ranger Station | 183.00 | 185.60 | 2.60 | 36.20 | 92.10 | 67.30 | 56.10 | 91.10 | 99.90 | PR |
| 4 | 10 | 004 | US 97 | Crescent Ranger Station - MP 186.5 | 185.60 | 186.50 | 0.90 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 10 | 004 | US 97 | MP 186.5 - MP 192.8 | 186.50 | 192.80 | 6.30 | 99.80 | 99.80 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 10 | 004 | US 97 | MP 192.8 - MP 193.75 | 192.80 | 193.75 | 0.95 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | VĠ |
| 4 | 10 | 004 | US 97 | MP 193.75 - MP 194.65 | 193.75 | 194.65 | 0.90 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 10 | 004 | US 97 | MP 194.65 - Jct. Willamette Hwy | 194.65 | 195.50 | 0.85 | 95.50 | 100.00 | 100.00 | 95.50 | 100.00 | 100.00 | GD |
| 4 | 10 | 004 | US 97 | MP 194.80 - Jct. Willamette Hwy | 194.80 | 195.52 | 0.72 | 94.80 | 100.00 | 100.00 | 95.00 | 100.00 | 99.70 | GD |
| 4 | 10 | 004 | US 97 | Jct. Willamette Hwy - MP 202 | 195.50 | 202.00 | 6.50 | 99.90 | 99.90 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 10 | 004 | US 97 | MP 202 - MP 203.1 | 202.00 | 203.01 | 1.01 | 97.50 | 100.00 | 100.00 | 97.50 | 100.00 | 100.00 | GD |
| 4 | 10 | 004 | US 97 | MP 203.1 - Chemult | 203.01 | 203.64 | 0.63 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | VG |
| 4 | 10 | 004 | US 97 | Chemult - MP 221 | 203.64 | 221.00 | 17.36 | 98.20 | 98.70 | 100.00 | 99.60 | 100.00 | 100.00 | VG |
| 4 | 10 | 004 | US 97 | MP 221 - MP 227.2 | 221.00 | 227.21 | 6.21 | 95.10 | 98.50 | 100.00 | 100.00 | 95.90 | 100.00 | GD |
| 4 | 10 | 004 | | MP 227.2 - District Boundary | 227.21 | 227.77 | 0.56 | 96.50 | 96.50 | 100.00 | 100.00 | 99.20 | 100.00 | GD |
| 4 | 10 | 18 | OR 58 | MP 75 - The Dalles/CA Hwy | 75.00 | 86.45 | 11.45 | 98.20 | 99.70 | 99.20 | 99.40 | 99.90 | 100.00 | VG |
| 4 | 10 | 18 | OR 58 | Little Odell Creek - The Dalles/ CA Hwy | 86.04 | 86.55 | 0.51 | 93.90 | 100.00 | 100.00 | 93.90 | 100.00 | 100.00 | GD |
| 4 | 10 | 19 | | Jct. Hwy 004 - Lake County Line | 0.00 | 19.29 | 19.29 | 31.00 | | | | | | PR |

*Key: VG≕ Very Good GD= Good

FR= Fair

PR= Poor VP= Very Poor

ST= Structure UC= Under Construction

NR= Not Rated

Appendix E – Stakeholder Interview Summary

Appendix E

Klamath TSP Stakeholder Interview Summary 02/08/05

Overview

Between November 24, 2004 and February 1, 2005, Amanda Garcia-Snell, with JLA, Inc completed 14 stakeholder interviews over the telephone. The interviewees ranged from elected officials to agency staff. The interviews provided elected officials and agency staff to identify issues to address and others to involve and to offer input into the public process design. The following people were interviewed:

- Todd Kellstrom Mayor of Klamath Falls, OR
- Samantha Meadows City Recorder for Merrill, OR
- Teresa Foreman City Recorder for Chiloquin, OR
- Danise Brakeman City Recorder for Bonanza, OR
- Craig Miller Engineer for Winema/Fremont National Forest
- Ed Case Planning Director for Klamath Tribes
- Jana DeGarma Community Services Director for Klamath Tribes
- Kathleen Mitchell General Manager for Klamath Tribes
- Bill Thompson Emergency Services Coordinator for Klamath County
- Stuart Bennett with the Oregon Trucking Association
- Ernie Palmer Director for Basin Transit
- Randy Bednar with the Bicycle Advisory Committee
- Mike Stinson District Manager and South Central Area Manager with ODOT
- Bob Bryant -- Region 4 Manager at ODOT

Interviews not completed:

- Dave Walter in the permitting Department at the Winema/Fremont National Forest he did not feel that he was the right person for me to speak with and insisted that I speak with Craig Miller.
- Gordon Toso Maintenance Manager at Crater Lake National Park, he was referred to me by Chuck Lundy the Superintendent. I was unable to reach Mr. Toso although I left seven telephone messages for him.
- Mel Nowak with Jeld Wen Corporation, he did not feel that he was the right person for me to speak with and said that he would try to find the most appropriate contact and call me back. He did not return the call and I was unable to reach him although I left four telephone messages for him.

Interview Highlights

This summary is a compilation of all the comments received during the interviews, organized by question. Responses to the questions varied according to the individual, yet some common themes emerged from those interviewed:

- Many people felt that Highway 97 had a variety of issues that need to be addressed ranging from passing lanes to winter weather treatments.
- > Many people were concerned about safety being the most important focus of the plan.
- Many people felt that pedestrian access to schools was the most important and pedestrian access to recreational areas was the least important.

Summary of Interviews

The comments have been paraphrased to capture the main points of the speaker. Comments are not attributed to any one person, however issues specific to an organization/agency are highlighted as such. A number in parenthesis following a comment indicates the comment was heard at more than one meeting.

Question #1: Have you been involved with transportation planning in Klamath County before?

- Yes, with federal or state agencies (5)
- Yes, from an overview standpoint (2)
- Yes, when related to Klamath Tribes (2)
- No (5)

Question #2: What are the current transportation problems and key issues, if any, in the County?

- Lack of transportation to outlying communities and the reservation (3)
- The safety of exiting off of and passing on Highway 97 (3)
- The concerns I have are being addressed (2)
- Pedestrian concerns in town (2)
- Detours off of Highway 97 during fire season (1)
- General condition of Highway 97 needs to be improved (1)
- Finding an overall balance between access for development, business and reasonable safety in the infrastructure (1)
- Lack of a TSP (1)

Question #3: How do you think the County should address these issues?

- County wide evaluation and TSP (6)
- They are already addressing them (2)
- Collaborative working groups with communities (1)
- Local and regional stakeholders need to communicate with elected officials (1)
- County wide public transportation (1)
- Install traffic signals (1)
- Not a an issue that the County needs to address (1)
- No Answer (1)

Question #4: The transportation plan will likely contain a mix of roadway improvement options. What types of improvements are most important to you?

- Connectivity (7)
- Safety (2)
- Arterial (2)
- Winter weather treatments (1)
- Dealing with debris on the road (1)
- No improvement necessary (1)

Question #5: Please rank the following pedestrian access alternatives in order of importance (with 1 being the most important)

| | 1 | 2 | 3 | 4 |
|----------------------------|---|---|---|---|
| Schools | 9 | 1 | 2 | 1 |
| Employment | 1 | 7 | 4 | 1 |
| Commercial Services | 2 | 3 | 5 | 3 |
| Recreation Areas | 1 | 2 | 2 | 8 |

Question #6: What would be the best way to engage people in Klamath County around this issue?

- Town Hall/ Community or Public Meetings (6)
- Media Coverage (4)
- Involve local groups and local government (5)
- Send out or conduct in person surveys (2)
- Website (1)
- Not sure (1)

Question #7: Who else should be included in our stakeholder and/or mailing list?

- Can't think of anyone (3)
- Local Government Agencies and Interest Groups (3)
- Chiloquin Action Team Quintin Green (2)
- Chiloquin Fire Chief Dwayne Holster (1)
- Running Y Resort Bode Cavallero (1)
- Scenic Byway Committee for CA and OR (1)
- Tribal Health Leroy Jackson (1)
- Klamath County Fire Chief Dave Hard (1)
- Base Commander at Kinsley Field Col. Johnny Atkinson (1)
- Klamath Falls City Manager Jeff Ball (1)
- Editor of the local Klamath newspaper _ Heidi Wright (1)
- Bureau of Land Management (1)

Question #8: Do you have any final messages or suggestions?

- No (11)
- Glad to see the County engaging in a planning process for the infrastructure (1)
- Appreciate ODOT making the small communities a priority (1)
- Would like to see more collaboration between County and ODOT (1)