

Long Range Transportation Plan for the Pyramid Lake Paiute Reservation Table of Contents

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EXECUTIVE SUMMARY

Purpose and Scope

The purpose of this study is to identify and evaluate present and future transportation needs of the Pyramid Lake Paiute Tribe. Present needs are determined by evaluating present conditions including traffic volume, existing hazards, the conditions of roads and other transportation infrastructure, and the current goals of the Pyramid Lake Tribe. Future needs are evaluated based on the Tribe's social, economic and development goals and objectives, including specific development proposals, and the land use and transportation plans of the surrounding area.

Transportation planning on the tribal level is a critical part of the overall system of prioritizing and funding transportation improvements on tribal lands. Federal transportation legislation, implemented by BIA regulations, requires that tribal transportation improvement projects, in order to be funded by federal sources, must be a part of an adopted Long Range Transportation Plan (LRTP). The LRTP is the result of a transportation planning process with a 20-year time horizon. The planning effort for the Tribe began with an update to the inventory of the Indian Reservation Roads (IRR) system on the Pyramid Lake Reservation. It continued with the preparation of this *Long Range (20-Year) Transportation Planning Study.* The study includes a *Transportation Improvement Projects Priority List* that will be forwarded to the BIA for the preparation of an IRR Transportation Improvement Plan (TIP) for the Pyramid Lake Paiute Tribe.

Study Period and Study Methodology

The Transportation Planning Study was a three-part process. In the first part, consultants Lumos & Associates, Inc. gathered data about existing conditions on the Reservation including the existing transportation system; existing Reservation and surrounding land use and natural resources; regional context, and demographics. The second part of the study was a comprehensive study and analysis of transit and transportation needs, including analysis of the condition of existing roads, as reported in the road inventory update, meetings with tribal leaders and staff, and a public workshop. In the final phase of work, Lumos developed a list of priority transportation projects and finalized the plan.

Summary of Transportation Plan

The current condition of the Tribe's transportation system, the Tribe's short and long range development plans, and potential future traffic levels were described and evaluated during the planning process. The following transportation issues were identified:

- Road and traffic safety, especially on state highways
- Need for transportation improvements to serve economic development goals
- Pedestrian safety improvements
- Condition of unpaved roads
- Safety signage
- Regular roadway maintenance
- Safety improvements around schools and preschools
- Potential need for a public transit system

• Maintenance and continued development of tourism infrastructure

Proposed transportation improvements were then identified. In Resolution PL 42 11 adopted on May 6, 2011, the Pyramid Lake Tribal Council approved the following list of priority transportation improvements. The projects are presented in more detail in **FIGURE 10** in this report.

- 1. (0035-010) Wadsworth By-pass
- 2. (0205-010) Pelican Point Access
- 3. (0101-105) Capitol Hill Road
- 4. (P101-050) Administration building parking areas
- 5. (No route number yet) Wadsworth Community Center access loop and parking
- 6. (0102) all sections Ranch/Big Bend Road
- 7. (0201-030) Lakeview Drive
- 8. (0021-010) Warrior Point
- 9. (0002-010 and 020) Pyramid Lake Road
- 10. (0005-010) Pyramid Road

Tribal staff and consultants also identified several non-road transportation improvement projects. While not currently a part of the adopted priority list, these projects are listed and described in **FIGURE 11** of this report.

The Tribe expects that transportation improvement projects and programs contained in this Transportation Plan will be implemented using the funding sources identified in the Transportation Improvement Projects Priority List. Projects potentially funded by the BIA will be added to the BIA regional IRR Transportation Improvement Program (TIP). The Tribe will receive funding for these projects based upon the allocation formula described in section 1.2.3 of this report.

For any projects on non-BIA IRR roads, the Tribe will coordinate with the Nevada Department of Transportation, Washoe County and Lyon County to identify funding for priority tribal transportation projects.

Some of the projects might take place as a part of tribal development efforts. In this case, transportation improvements might be funded and constructed, at least partly, by the developer, and subsequently maintained by businesses on the site. Some transportation projects or maintenance improvements might be made as a part of an overall capital improvements program.

The priority list will be updated periodically to reflect the completion of current projects and the inclusion of new priority projects, contingent on anticipated available funding. The Transportation Plan will be reviewed and updated every five years, based upon the direction of the Tribal Council and/or tribal staff.

INTRODUCTION

Purpose of the Study

The purpose of this study is to identify and evaluate present and future transportation needs of the Pyramid Lake Paiute Tribe. Present needs are determined by evaluating present conditions including traffic volume, existing hazards, the conditions of roads and other transportation infrastructure, and the current goals of the Pyramid Lake Tribe (Tribe). Future needs are evaluated based on the Tribe's social, economic and development goals and objectives, including specific development proposals, and also the land use and transportation plans of the surrounding area.

Description of the Long Range Transportation Planning Study and Project Priority List

Transportation planning on the tribal level has become a critical part of the overall system of prioritizing and funding transportation improvements on tribal lands. Federal regulations require that transportation improvement projects on routes within the Tribe's IRR System that are going to be funded with Federal sources be part of an adopted Long Range Transportation Plan (LRTP) and be included in the Region's IRR TIP. The TIP is the result of a transportation planning process with a 20-year time horizon. The planning effort for the Tribe began with an update to the inventory of the Indian Reservation Roads (IRR) system on the Pyramid Lake Reservation. It continued with the preparation of this Long *Range (20-Year) Transportation Planning Study*. The study includes a *Transportation Projects Priority List* that will be used by the Tribe and by the BIA to program projects for tribal and agency Transportation Improvement Programs (*TIPs*).

Organization of Study

The Transportation Planning Study was a three-part process. In the first part, consultants Lumos & Associates, Inc. (Lumos) gathered data about existing conditions on the Reservation including the existing transportation system; existing Reservation and surrounding land use and resources; regional context; and demographics.

The second part of the study was a comprehensive study and analysis of transit and transportation needs, including analysis of the condition of existing roads as reported in the road inventory update, meetings with tribal leaders and staff, and a public workshop. This workshop took place on May 15, 2010. Also in this phase, Lumos evaluated road maintenance needs in the context of available BIA funding, and identified and evaluated community development patterns that could affect future travel demand.

In the final phase of work, Lumos developed a list of priority transportation projects and finalized the plan. This plan was presented to the Pyramid Lake Tribal Council. Any subsequent comments and changes by Tribal staff or the BIA will be incorporated into the plan at a later date.

Regional Context

The Pyramid Lake Reservation is located in northwestern Nevada, approximately 35 miles northeast of Reno. It is mostly adjacent to Washoe County, but portions of the Reservation are adjacent to Lyon, Storey and Pershing Counties. At 475,000 acres, the Pyramid Lake Reservation is the largest reservation in Nevada.

PART ONE - EXISTING CONDITIONS

1.1. BACKGROUND DATA

1.1.1. Community Profile

Location

The 475,000-acre Pyramid Lake Reservation is located in northwestern Nevada, approximately 35 miles northeast of Reno. See **Map 1 – Location Map**.

History and Government

The Pyramid Lake Paiute Tribe are Northern Paiute people. The bands of Paiute people who lived in the vicinity of

territory incorporated about 2,000 square miles, including both Pyramid and Winnemucca Lakes.

In 1859, the U.S. Commissioner of Indian Affairs reserved for the Pyramid Lake Paiute Tribe 470,000 acres of land surrounding Pyramid Lake. In 1874, President Ulysses S. Grant signed an Executive Order confirming the status of the Tribal Reservation.

The Pyramid Lake Paiute Tribe is organized pursuant to the provisions of Section 16 of the Indian Reorganization Act of 1934, and is a federally recognized tribe. It is governed by a ten-member Tribal Council consisting of a Chairman, Vice-Chairman, and eight Council Members. The Tribe operates under a Constitution and By-Laws approved on January 26, 1936.

1.1.2. Economy and Demographics

Regional Context

The Pyramid Lake Reservation is located adjacent to Washoe, Lyon, Storey and Pershing Counties in northwestern Nevada. During the 1990-2008 period, the population and economy of these counties boomed: the population of Washoe County increased from 257,120 in 1990 to 423,833 in 2008; Lyon County grew from 20,590 to 55,820; and Storey County grew from 2,560 to 4,384 people. Since then the population of these areas has decreased 1.7% in Washoe County; 3.6% in Lyon County; and 1.5% in Storey County.

With the development of the 30,000-acre Tahoe Reno Industrial Center in Lyon and Storey Counties, and the Nevada Industrial Park near the town of Fernley, the area south of the Reservation along the Interstate Highway 80 corridor became a center for manufacturing and logistics, with Fortune 500 companies including Amazon.com, Trex, Johns Manville, MSC Industrial Direct, UPS Worldwide Logistics, Quebecor World Nevada, and Sherwin-Williams locating facilities there.

During the period 2001 – 2007, the number of jobs in Lyon County grew by 26%, a total of 3,932 new jobs. The industry sectors that contributed the most to this growth were real estate rental and leasing; manufacturing; construction; arts, entertainment and recreation; and accommodation and food services. Since the region was heavily concentrated in real estate and construction-related employment, the economic recession that began in 2007 has hit the region

hard resulting in the population losses cited above, and unemployment rates in January, 2010 of 19% in Lyon County, 14% in Storey County, and 13.5% in Washoe County.

Tribe and Tribe Demographics

Population

Total Pyramid Lake Paiute tribal membership is 2,161 people. The year 2000 U.S. Census shows a total population of 1,734 individuals on the Pyramid Lake Reservation. As the following chart shows, the Reservation has a relatively young population, with a median age of 32 years.

Age Distribution of Pyramid Lake Reservation Residents 300 285 250 202 200 182 168 156 156 Number 146 150 102 102 94 100 68 48 50 25 Under 5 to 9 10 to 15 to 20 to 25 to 35 to 45 to 55 to 60 to 65 to 75 to 85 5 years years 14 19 24 34 44 54 59 64 74 84 years and years SOURCE: U.S. Census Bureau, Quick Tables, DP-1 Profile of General Demographic Age Range Characteristics: 2000, Pyramid Lake Reservation, NV http://factfinder.census.gov; accessed 3/17/10

Figure 1

Housing

There are three communities on the Pyramid Lake Reservation: Wadsworth on the southern end of the reservation close to Interstate Highway 80 and the Big Bend of the Truckee River; Nixon, the Tribe's administrative center, about five miles from the southern shore of Pyramid Lake, and Sutcliff, on the southwestern shore of the lake. Most of the Reservation population resides in these communities, with over 50% of the population in Wadsworth, 25% in Nixon, and 16% in Sutcliffe. Between 1963 and 2000, 440 new homes were constructed on the Reservation. Of these, 382 are considered mutual help units and 58 are rental units. More

recently, five new homes were constructed through the BIA's Housing Improvement Program, and renovations of existing units regularly take place.

Economy and Employment

Outdoor recreation is a primary driver of the Reservation economy. Pyramid Lake is a recreational resource that attracts visitors from throughout northern Nevada and beyond for fishing, boating, bird watching, camping, and other outdoor pursuits. The Tribe continues to implement economic development and resource protection strategies centered on the unique lake and its scenic and natural resources. These include a fisheries program with three hatcheries that raise Lahontan cutthroat trout and cui-ui; small businesses at Sutcliffe catering to recreationists; designation of portions of State Routes 445 and 447 as the Pyramid Lake National Scenic Byway; a newly-developed mountain bike trail that follows the Truckee River between Wadsworth and the northern shore of Pyramid Lake; a tribal museum in Nixon; the Big Bend RV park at Big Bend on the Truckee River near Wadsworth; and a gas station/convenience store in Wadsworth. The Tribe requires permits for all recreational use on the Reservation. The table below shows recreational permits issued over the most recent 5-year period.

Figure 2

| Pyramid Lake Recreational Permits, 2005-2009 | | | | | |
|--|--------|--------|--------|--------|--------|
| | 2009 | 2008 | 2007 | 2006 | 2005 |
| Total Visitors | 74,287 | 72,555 | 73,944 | 68,669 | 58,695 |

Source:

Johnnie Garcia, PLPT Transportation Planner

Agriculture also contributes to the Reservation economy. Several tribal members belong to the Pyramid Lake Cattlemen's Cooperative Association, grazing around 1,600 head of cattle on 300,000 acres of range on the Reservation, and raising hay for winter feed in agricultural areas near Nixon and Wadsworth. There is a sand-and gravel operation operated by RMC Nevada, Inc.– the Paiute Pit – located on the Truckee River on the Reservation. Approximately 25% of the population works for the tribal government or other governmental operations including the two schools on the Reservation, Pyramid Lake High School in Nixon and Natchez Elementary School in Wadsworth.

In the community of Nixon, the primary employment is tribal government or agriculture. Some additional employment is provided by a combined gas station and convenience store. Sutcliffe is the principal gateway to Pyramid Lake, thus the Sutcliffe economy is primarily based on recreation and small commercial enterprises. Wadsworth, with over 50% of the Reservation's population, is the largest town on the Reservation. A tribal smoke shop, gas station and convenience store is located in Wadsworth and provides some employment for tribal members. Wadsworth is close to the recently developed industrial centers in Lyon and Storey County, and close to I-80, so many Wadsworth residents commute off the Reservation to jobs in adjoining counties. Employment includes office and sales occupations, construction, service industries, and professional or other management occupations.

Unemployment on the Reservation has historically been high, with unemployment rates between 30 and 40 percent.

U.S. Census 2000 reports that 95.5% of workers drive alone to work, the rest walk to work, carpool, or work at home. The mean travel time to work is 27 minutes.

1.1.3. Physical Characteristics of Tribal Land; Natural Resources

475,000-acre Pyramid Lake Reservation lies in northern Nevada within the Basin and Range physiographic province, an area characterized by alternating, north-south-trending mountain ranges and flat valley floors. The Reservation covers one of these valley floors - including 117,400-acre Pyramid Lake - and portions of adjoining mountain ranges and valleys. Elevations range from 3820 feet at lake level to 8182 feet at Tohakum Peak east of Pyramid Lake. Winnemucca Lake (since diversion of the Truckee River a dry playa moistened only by seasonal precipitation) is located on the eastern boundary of the Reservation and the Smoke Creek Desert lies to the northwest. Pyramid Lake still receives water from the Truckee River, but its level has dropped nearly eighty feet since the Derby Dam diversion was installed in 1905. Similar to other Great Basin lakes, Pyramid Lake has no outlet.

The Pyramid Lake Reservation has a semi-arid climate, with an annual precipitation range of less than seven inches in the basins and up to eighteen inches in the mountains. Most precipitation falls as snow in the mountains, providing stream runoff with peak flow in early spring. Summers are dry, with very little rainfall in July and August.

Pyramid Lake is noted for its interesting tufa formations, which are formed when calciumrich spring water comes into contact with the carbonates in the water of the lake. The Pyramid, which gives the lake its name, is one such formation. The Reservation also contains several areas of geothermal activity.

Pyramid La -

harvested these abundant fish at their spawning grounds at the mouth of the Truckee River. Diversion of Truckee River water by the U.S. Bureau of Reclamation's Newlands Project in 1905 reduced water flows to the lake by around fifty percent, resulting in the loss of the Pyramid Lake strain of Lahontan cutthroat and a drastic reduction in the cui-ui population. Since then, the Pyramid Lake Tribe has made concerted efforts to restore the land and waters of their Reservation, including a successful fisheries program to restore the lake's fish populations.

Much of the Pyramid Lake Reservation consists of rangeland with native plant communities consisting of sagebrush and salt shrub communities and associated species, depending on elevation and exposure. The condition of the rangeland has been affected by periodic droughts and overgrazing, in some places, by cattle and feral horses. Wildfires have also burned areas of the Reservation. The resulting vegetation is thus a mixture of the native perennial herbaceous vegetation, and invasive species resulting from drought, wildfire, and grazing.

1.1.4. Land Ownership

While most of the Pyramid Lake Reservation consists of tribal lands (lands held in trust for the Pyramid Lake Tribe by the U.S. Government), due to the settlement history of the area, there are several inholdings of private land within the Reservation boundary – these are referred to as "fee lands" by the Tribe. The "fee lands" consist of ranches on the western side

of Pyramid Lake and plots of land within and adjacent to the community of Wadsworth and along the Truckee River. The Tribe is acquiring these "fee lands" as they become available, and has also acquired adjacent lands that are part of their traditional homeland.

1.1.5. Existing Land Use

Land on the Pyramid Lake Reservation is used for open range livestock grazing; residential areas; agriculture; recreation; administrative and public uses including administration buildings, schools, parks, and public works facilities; and some small commercial areas. Certain areas of the Reservation are reserved for traditional or ceremonial uses. The rangeland is divided into management units based on the nature and location of the grazing resource. Resource management strategies for the rangeland and other areas of the Reservation are presented in a Pyramid Lake Indian Reservation Comprehensive Resource Management Plan adopted in 2005.

Pyramid Lake's General Land Use Plan designates Pyramid Lake, the Truckee River and its shoreline for recreation and wildlife; Sutcliffe, Nixon, Wadsworth and adjacent lands for residential communities; an area to the northeast of the lake as critical wildlife habitat; and the rest of the Reservation for grazing and wildlife habitat. Certain areas along the Truckee River and the "fee lands" (described above) were not designated any land use.

In 2001 the Tribe completed a 50-year Land Use Plan for each of the three communities on the Reservation. The Resource Management Plan and the Land Use Plan describe land uses in the three Reservation communities as follows.

Wadsworth

Wadsworth is predominately a residential community housing over 50% of the Reservation population. A number of tribal facilities including the I-80 Smokeshop; Big Bend Ranch RV Park; a sewage treatment plant, and solid waste transfer facility are located in Wadsworth. The Paiute Pit is located near Wadsworth. Natchez Elementary School and a U.S. Post Office also are located in Wadsworth.

Nixon

Nixon is the seat of tribal government, holding the Pyramid Lake Tribal Headquarters which includes the main administrative office, the Housing Authority, Tribal Police, Tribal Court, and the Natural Resources Division. Nixon also holds a U.S. Post Office, the Tribal Visitor Center and Museum, a Head Start Program, the Pyramid Lake Junior Senior High School, the Nixon Store, and the Pyramid Lake Health Clinic. There also are housing areas in Nixon. A fishery facility is located at Marble Bluff north of Nixon, and is operated jointly by the Tribe and the U.S. Fish and Wildlife Service. Alfalfa is grown on agricultural fields on the Truckee River near Nixon.

Sutcliffe

Sutcliffe is located on the western shore of Pyramid Lake. It is the main access to the lake and is a destination for recreationists. Pyramid Lake Fisheries offices are located here, as well as the David Dunn LCT Hatchery, the Koch Cui-ui Hatchery, a ranger station, a campground, and a marina operated by a private business under lease from the Tribe. Housing for some tribal members is located in Sutcliffe. Sutcliffe is served by a solid waste transfer station and a sewage lagoon system. Some private in-holdings ("fee lands") are also located in the Sutcliffe area.

Surrounding Land Use

The Pyramid Lake Reservation is surrounded on all sides by public land managed by the Bureau of Land Management (BLM). There are scattered parcels of private land within the public land area, and to the south and east the public land is interspersed with a great deal of private land in a "checkerboard" land ownership pattern. All of this land is currently undeveloped and in rural land uses including grazing, some resource extraction, and open space. The combination of currently poor economic conditions, steep slopes, lack of infrastructure, and the presence of large amounts of public land make it likely that Washoe County and Pershing County lands adjacent to the Pyramid Lake Reservation will generally remain undeveloped, and will be used for rural uses only.

The Reservation is located adjacent to the Warm Springs, High Desert, and Truckee Canyon planning areas of Washoe County. Washoe County's Comprehensive Land Use and Transportation Plan describes several land use groups and their accompanying appropriate level of development. Washoe County lands adjacent to the Pyramid Lake Reservation fall within the "Rural Lands Group." According to the Washoe County plan, "The rural lands group recognizes the important contributions that ranching and other rural activities make to Washoe County. The rural lands group is intended to preserve areas where agriculture, grazing and/or open space predominate; and to discourage suburban sprawl into areas that lack essential infrastructure and services for intensification, or that have resource constraints such as steep slopes. In limited cases, rural resorts or low intensity commercial or industrial uses may be appropriate when they respect the greater purpose of the land group."

Closer to the towns and cities of Sparks, Reno, and Fernley (on the southwest and southern sides of the reservation) the open space and public land gives way to private land. The Sun Valley, Spanish Springs and Fernley areas experienced much urban growth during the 1990's and 2000's, resulting in an expansion of urban and suburban land uses closer to the Reservation. In Spanish Springs and Sun Valley most of this land use is suburban residential development with associated commercial areas. In Lyon and Storey Counties, land close to the Reservation along the Highway 80 corridor has been developed with several large business and industrial parks.

To the northwest of the Reservation lies Honey Lake, the town of Herlong, and the Sierra Army Depot. The Sierra Army Depot receives, stores, maintains, and treats munitions from military and non-military sources. Operations at the depot have resulted in the generation of various kinds of contaminants across the installation and surrounding areas including the northern part of the Pyramid Lake Reservation.

1.2 TRANSPORTATION SYSTEM

1.2.1 Existing Transportation System

Public roads within the Pyramid Lake Indian Reservation current (2010) IRR system were constructed by the State, BIA and Tribe; and maintained by the State and the BIA. A summary of this system, by ownership and surface Type, is shown in **Figure 3**.

Figure 3
Current Indian Reservation Road System Characteristics

| Jurisdiction Road Mileage by Surface Type* | | | Total | | | | |
|--|-------|--------|----------|-------|-----------------|----------|-------|
| | Paved | Gravel | Concrete | Earth | Primitive/Trail | Proposed | |
| BIA Roads | 29.4 | 29.1 | 0.0 | 71.0 | 9.0 | 13.5 | 152.0 |
| State Highways | 72.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 72.6 |
| County Roads | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tribal Roads | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Urban Roads | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL | 102.0 | 29.1 | 0 | 71.0 | 9.0 | 13.5 | 224.6 |
| BIA Roads as % of Total | 28.0% | 100% | N/A | 100% | 100% | 100% | 67.7% |

^{*}IRR mileage figures based on 2010 *Miles of Road by Organizational Responsibility and Surface Type* report from BIA Division of Transportation's Road Inventory Field Data System (RIFDS).

1.2.2 Road Maintenance

BIA System

The BIA is obligated by CFR 25, Part 170 to maintain the BIA Road System to a safe and satisfactory condition based upon the availability of funds and the roads' as-built condition. Road maintenance funds are appropriated by Congress and allocated to the BIA separately from construction funds.

Road maintenance funds are used to maintain an optimal level of road maintenance, at the least cost, based on the road condition. BIA road engineers/managers work with tribes in determining the level of maintenance to be performed within budgetary constraints, and establish a road maintenance program for each tribe. Maintenance priorities are frequently based on the need to provide community members safe access to and from homes and facilities. Emergency conditions have the highest priority for road maintenance funding. Other priorities are determined by roadway surface type and level of use.

BIA policies and regulations state that road maintenance activities can include the preservation and repair of the road surface, blading roadway shoulders and ditches, clearing drainage structures, snow removal, and the installation/replacement of traffic control, directional and street signs. In practice, however, surface preservation and repair is frequently

funded using construction funding, while maintenance funding covers regular, annual activities such as snow removal.

Funds for the maintenance of BIA roads on the Pyramid Lake Reservation are provided to the Tribe under a PL 93-638 (*Indian Self-Determination and Education Assistance Act*) Contract by the BIA's Western Nevada Agency. The Pyramid Lake Paiute Tribe has a maintenance department with a two-person maintenance crew and one snowplow. Maintenance activities consist of winter snow plowing, debris clearing, and blading of dirt roads. In the years 2005-2010, the Tribe received the following for road maintenance.

Figure 4: PLPT Road Maintenance Funding

| 2005 | \$64,797 |
|------|-----------|
| 2006 | \$54,466 |
| 2007 | \$129,617 |
| 2008 | \$110,380 |
| 2009 | \$109,607 |
| 2010 | \$194,900 |

SOURCE: Johnnie Garcia, PLPT Transportation Planner

The funds were used for purchasing supplies and equipment used for maintaining the current inventory of BIA Reservation Roads. The table in **Appendix C** shows estimated permile maintenance costs for paved Pyramid Lake roads. The estimated per-mile annual cost of road maintenance is \$6,325. This includes only preservation and repair of the road surface.

State System

State Routes 445, 446 and 447 cross the Reservation and provide access to Reservation towns and other areas of the Reservation. Interstate Highway 80 crosses the Reservation on its southern edge. These roads are constructed and maintained by NDOT. SR 445, 446, and 447 are classified by the Nevada Department of Transportation (NDOT) as Minor Arterials from where they enter the Reservation to the various Reservation towns. Gerlach Road between Nixon and Gerlach (the continuation of SR 447) is classified as a Rural Major Collector, and Surprise Valley Road (the continuation of the road traversing the western shore of the lake that starts out as SR 445 and 446) between Pyramid and the Cedarville Highway north of the Reservation is classified as a Rural Minor Collector. I-80 is classified as an Interstate Highway.

Maintenance of the state roadways is carried out by the NDOT. NDOT monitors state highways annually in a Pavement Management System, in which the "health" of the pavement is assessed based on measured pavement distress. The distresses and other factors are summed, and a repair strategy is assigned. Prioritization of projects is based on the points assigned in the Pavement Management System evaluation, as well as the pavement age, traffic loading, and maintenance costs. Once pavement maintenance project priorities are determined, the projects are included NDOT's Annual Work Program.

NDOT's FY 2011 Annual Work Program (AWP) for Washoe County shows the following projects on the Pyramid Lake Reservation:

Figure 5: NDOT FY 2011 Projects

| NDOT PROJECT NUMBER | LOCATION | DESCRIPTION |
|---------------------|-------------------------------|------------------------------|
| WA20090179-11 | 1-80 from 1.41 mile east of | Coldmill resurfacing |
| | Painted Rock Interchange to | |
| | Lyon/Storey county line | |
| WA20100199-11 | SR446 2.8 miles east of | Construct energy dissipation |
| | junction SR445 | structure and stabilize |
| | | embankment |
| WA20100173-11 | SR446 Nixon | Bridge maintenance |
| WA20100208-11 | 12.94 miles north of junction | Remove and replace cattle |
| | SR446 | guard |

SOURCE: Nevada Department of Transportation Annual Work Program

County Roads

Washoe County owns and maintains nineteen county roads on the Pyramid Lake Reservation in the community of Wadsworth. Washoe County also maintains portions of State Route 33, an unpaved road which runs along the northwest boundary of the Reservation, and Olinghouse Road, an unpaved road near Wadsworth.

1.2.3 Road Construction

Current or Recently Completed Projects

The Tribe is currently carrying out the following road transportation improvement projects:

- 1. ARRA Restoration & Repair roads project
- 2. ARRA Safety No. 1
- 3. ARRA Pelican Point Design
- 4. Wadsworth Bypass Road Construction beginning with the design.
- 5. Long Range Transportation Plan with Inventory Update. (SOURCE: Johnnie Garcia, PLPR Transportation Planner)

Construction - BIA System

BIA roads on the Pyramid Lake Reservation's inventoried IRR road system are constructed with federal funding from the Indian Reservation Roads portion of the Federal Lands Highway Program. These funds are administered and allocated by the BIA. The Transportation Equity Act for the 21st Century (TEA-21) required the Secretary of the Interior to enter into negotiated rulemaking with tribal governments to develop new IRR Program regulations and establish a new funding formula. The result of this negotiated rulemaking, a "Final Rule", which contained a new funding allocation process, went into effect on November 13, 2004. (See **Appendix D**) While new federal transportation legislation -- "SAFETEA-LU" and other successor legislation—has since been passed, the funding allocation formula remains and is expected to remain essentially the same under the new legislation. BIA has also received funding for transportation

improvements through the American Recovery and Reinvestment Act of 2009, and several transportation improvement projects on tribal land currently (2010) are being completed with this funding source.

Relative Need Distribution Factor (RNDF)

A certain percentage of the overall transportation funding allocation is set aside to be used for tribal transportation planning. Of the remainder of the funds, 5% are set aside in a discretionary pool to be used for high priority projects. The rest of the funds are allocated to tribes based upon a "**Relative Need Distribution Factor**" (RNDF). The population data used in the RNDF is the American Indian and Alaska Native Service population developed by the Department of Housing and Urban Development (HUD), under the Native American Housing Assistance and Self-Determination Act (NAHASDA). This is a mathematical formula that calculates the "relative need" of tribes for transportation funding based upon

- Cost to construct (CTC) 50%
- Vehicle Miles Traveled (VMT) 30%
- Population 20%

The CTC is the cost required to improve a transportation facility from its existing condition to a condition that would meet adequate standards. The VMT is estimated by the BIA using traffic counts conducted during the road inventory times the length of the IRR roads in the inventory. Using this formula, annual funding for the Pyramid Lake Tribe has been as follows:

Figure 6:
Pyramid Lake Paiute Tribe
2005-2010 IRR Program Funding

| Fiscal Year | IRR Const. | PAF | (2%) Tribal Trans Plng | Annual Total |
|----------------|-------------|-----------|---------------------------|--------------|
| 2005 | \$430,909 | \$5,246 | \$10,276 | \$446,431 |
| 2006 | \$437,423 | \$11,926 | \$10,557 | \$459,906 |
| 2007 | \$370,609 | \$22,592 | \$9,083 | \$402,284 |
| 2008 | \$291,285 | \$31,878 | \$7,281 | \$331,444 |
| 2009 | \$290,339 | \$42,156 | \$7,307 | \$339,802 |
| 2010 | \$258,502 | \$41,735 | \$6,500 | \$306,737 |
| Totals | \$2,079,067 | \$155,533 | \$51,004 | \$2,285,604 |

Source: Bob Maxwell, Regional Transportation Planner, BIA-WRO Division of Transportation

This includes a 2% set-aside for transportation planning purposes. If unused, the allocated funds can be carried over from year to year.

BIA construction funds are allocated to self-governance tribes according to BIA procedures; for other tribes, construction funds are allocated to regional offices. Tribes can issue bonds or obtain loans to finance road construction projects, using IRR funds as collateral, and then repay the bonds or loans as the annual allocation of construction funds is received.

It becomes clear from the formula that the larger the tribal population, the higher the traffic counts, and the more miles of inventoried roads, the more transportation funding a tribe will receive. This puts small tribes at a disadvantage: it is conceivable that some tribes may never receive enough funding under this formula to complete high-priority transportation projects, even if they are critical to health and safety.

IRR High Priority Project Program (IRRHPP)

This program is a set aside of IRR funding, within the IRR Program annual Tribal Transportation Allocation Methodology (TTAM), that is meant to be used by tribes whose annual allocation of IRR construction funds is insufficient to complete their highest priority project and/or by any tribe impacted by an emergency/disaster to make repairs to any IRR facility. IRRHPP funds are allocated to tribes on a competitive basis following the submission and approval of applications to BIADOT, and cannot exceed \$1,000,000 per project. Approved IRRHPP funding is obligated and distributed to tribes by the BIA regional offices.

The Role of Transportation Planning

It is important to note that transportation planning on the tribal and reservation level is an important part of this funding allocation system. Only projects in a FHWA-approved transportation improvement plan (TIP) are eligible for funding, and these projects are identified through the long-range transportation planning process. This requirement became quite clear with language in the SAFETEA-LU legislation stating that IRR funds "shall only be expended on projects identified in a transportation improvement program approved by the Secretary [of the Interior]." [Federal Highway Administration]

Nevada Department of Transportation (NDOT) Planning and Construction

NDOT's mission is to efficiently plan, design, construct and maintain a safe and effective seamless transportation system for Nevada's economic, environmental and social needs. NDOT administers and implements programs for the planning, development, construction, and operation of the state's transportation system. The transportation planning process sets the stage for fulfilling this mission by balancing needs with limited resources. Specific transportation improvement projects are set forth in the State Transportation Improvement Program (STIP) and Annual Work Program (AWP).

The STIP is the instrument used to implement the plans resulting from the statewide transportation planning process. The planning process sets long-range funding strategies statewide, and the transportation needs identified are used in developing a financially constrained STIP. The Annual Work Program lists transportation projects that NDOT intends to work on during the current fiscal year. The Short Range Element (SRE) consists of projects scheduled for the second and third years and the Long Range Element (LRE) are projects NDOT plans on working on, when funding is identified in the fourth through tenth years.

SAFETEA-LU included a new emphasis on consultation during the planning process with agencies, including tribal agencies, charged with natural and cultural resource preservation, and a new requirement to consult with representatives of bicycle and pedestrian users and the disabled.

Planned NDOT Road/Transit Projects in the Area

In addition to the projects described in the previous section, several projects to add lanes to SR 445, the Pyramid Highway through Sparks and Spanish Springs are shown in the Long Range Element. The estimated cost of these projects is around \$325 million, to take place in many phases. There is no committed funding source yet, nor are construction dates shown. While this work will not take place on the Reservation, it is listed here because, by widening and adding lanes to the existing highway, the projects may both shorten the time it takes to drive to the Reservation from the cities of the Truckee Meadows, and potentially induce growth in the further-out subdivisions of the Spanish Springs area. Both of these effects may in turn affect the type and amount of automobile traffic on the Pyramid Lake Reservation.

1.2.4 Roadway Functional Classification

Roads are classified as to the functions they perform with regard to the movement of traffic and access to property. These functional classifications become important to transportation planning when new roadways are being designed and developed. The type of land use and the overall population of an area served by a road determine its functional classification. The function of a road serving a few houses is to provide access to those houses, while the function of an arterial highway is to provide higher-speed travel for a greater volume and variety of traffic through an area.

Within the IRR system there are two types of road classifications: State Highway Classifications and BIA Road Classifications. Both the state and the BIA use functional classifications as the basis for classifying their roads: these systems are similar, but the road types are given different names or labels.

A description of the two systems of functional classifications is in **Appendix E**. BIA functional classifications of all Pyramid Lake Reservation roads are shown in **Appendix B**.

1.2.5 Road Inventory

A physical inventory of the public roads serving the Pyramid Lake Reservation was performed by Lumos & Associates in 2010. This inventory found that there were approximately 106.4 miles of public roads and trails that were eligible to be included in the IRR system and 25.6 miles of existing BIA roads that needed to be deleted and/or removed from the BIA system and placed in the County Road System. Future changes to the IRR inventory – for example; new roads, corrected road mileage, updated traffic data, etc. – should be added annually, as needed, to maintain a current IRR inventory. An Inventory Comparison List identifying all the proposed IRR system revisions are contained in **Appendix B**, which lists BIA, Tribal and State Route Numbers, road names (if any), BIA functional Classification, Length, Surface Type and Construction Need. A summary of proposed mileage revisions to the Pyramid Lake Tribe's IRR system are shown in Figure 7.

FIGURE 7 PROPOSED IRR SYSTEM REVISIONS

SUMMARY OF PROPOSED BIA ROAD SYSTEM MILEAGE REVISIONS

| | Miles |
|--|-------|
| Existing BIA DOT Inventory | 152.0 |
| Roads to be Added to BIA System | 0.0 |
| Roads to be Deleted from BIA System | (5.6) |
| Other Route Mileage Corrections (Net Deletion) | (1.3) |
| Proposed BIA Road System | 145.1 |

SUMMARY OF PROPOSED TRIBAL SYSTEM MILEAGE REVISIONS

| | Miles |
|---|-------|
| Existing BIA DOT Inventory | 0.0 |
| Roads to be Added to Tribal System | 40.8 |
| Roads to be Deleted from Tribal System | 0 |
| Tribal Trails to be Added - Tahoe Pyramid Bikeway (TPB) | 14.5 |
| Other Tribal Route Mileage Corrections (Net Deletion) | 0.0 |
| Proposed Tribal (IRR) System | 55.3 |

SUMMARY OF PROPOSED NON-BIA IRR SYSTEM MILEAGE REVISIONS

| | Miles |
|--|-------|
| Existing non-BIA Inventory | 72.5 |
| Roads to be Added to non-BIA IRR System | 48.7 |
| Roads to be Deleted from non-BIA IRR System | 0.0 |
| Other Route Mileage Corrections (Net Deletion) | 1.4 |
| Proposed Non-BIA (IRR) System | 122.6 |

TOTAL IRR SYSTEM 323.0

1.2.6 Rights-of-way

The only right-of-way issue identified on the Pyramid Lake Reservation was the lack of valid rights-of-way on housing subdivision streets constructed by the Indian Housing Authority and unimproved BIA and Tribal roads. A valid right-of-way (grant of easement) approved by the Superintendent – Western Nevada Agency, must be in place before IRR funds or any other

federal funds can be expended to improve these roads. This applies to both BIA and tribal roads. A valid right-of-way is also needed to transfer ownership and maintenance responsibility from the Tribe to the BIA.

1.2.7 Traffic Control

Traffic control devices on the Reservation consist of stop and yield signs, and speed limit signs.

1.2.8 Drainage and Bridges

Bridges: The Reservation's BIA IRR system includes a bridge over the Truckee River in Nixon as well as smaller bridges and culverts over irrigation ditches and drainages throughout the Reservation.

Drainage: The current road inventory revealed "Severe drainage problems" on the following road segments.

Figure 8: PLPT Road Segments with "Severe Drainage Problems"

| Route Number | Section Number | Name (if named) |
|--------------|----------------|---|
| 0002 | 040 | The Willows Road (beach access) |
| 0002 | 050 | Beach access |
| 0006 | 026 | break-off from "Recreational Road" |
| 0008 | 020 | Unnamed |
| 0008 | 025 | Unnamed |
| 0008 | 040 | Sand Road |
| 0011 | 010 | Sweetwater |
| 0101 | 170 | Winnemucca Street |
| 0102 | 240 | unnamed access road to rodeo grounds (Ranch Road extension) |
| 0205 | 007 | Road along Separator Beach |
| 0205 | 800 | Road along Separator Beach |
| 0205 | 040 | Beachfront road connects Pelican Beach to Windless Bay fishing area |
| 9035 | 810 | Olinghouse Road |
| P101 | 055 | Day Care facility parking lot (Nixon) |
| P102 | 101 | Day Care facility parking lot (Wadsworth) |
| T100 | 100 | Tahoe Pyramid Bikeway #10 |

In addition, the PLPT Transportation Planner lists the following drainage problems based upon field observations:

- 1. 9th street east portion in Wadsworth
- 2. Road to the Tribal Administration Offices
- 3. Parking area at the Tribal Court House
- 4. Route #3 Wadsworth near the Paiute pit gravel quarry
- 5. Culvert pipes on S. Hollywood Road and W. Pyramid Lake Road are nearing their life expectancy and need replacing.

1.2.9 Street Lighting

Street lights are located in the housing subdivisions, Tribal yards, Tribal administration buildings, Tribal Clinic, Tribal enterprises, and the Pyramid Lake High School. In the transportation workshop held on May 15, 2010, participants suggested that streetlights be installed at the bus stop in front of Natchez School in Wadsworth, and also at the intersection of Highway 40 and State Route 447 in Wadsworth for safety and visibility.

1.2.10 Public Transit, School Bus and Mail Routes

Natchez Elementary in Wadsworth has 141 students in grades K through 6 using bus routes on the Reservation. Students in Nixon and Wadsworth have the choice to go to and are bused to Mendive Middle School in Sparks, Reed High School in Sparks, Fernley Intermediate School, Fernley High School, or Pyramid Lake High School. Sutcliffe Students can attend and are bused to Alice Taylor Elementary in Spanish Springs, Shaw Middle School in Spanish Springs, and Spanish Springs High School or Pyramid Lake High School in Nixon. U.S. Mail deliveries on the reservation are to post offices in Nixon and Wadsworth. The Pyramid Lake Tribe provides transportation for elders as needed to the senior center.

1.2.11 Bicycle and Pedestrian Routes

Most bicycle and pedestrian use on the Reservation takes place in the three towns. Most of the residential streets on the Reservation have either curb and gutter or dirt shoulders, with no sidewalks. Children walk to the Natchez Elementary School in Wadsworth: pedestrian crosswalks across SR 447 by Natchez School have warning lights and signs. A recreational mountain bike trail runs from Wadsworth to the south shore of Pyramid Lake. Running along the west side of the Truckee River, the trail is about 26 miles long, alternating between dirt and paved surfaces.

1.2.12 Pyramid Lake National Scenic Byway

Portions of State Routes 445, 446, and 447 on the Pyramid Lake Reservation are designated as a National Scenic Byway. The National Scenic Byways Program is part of the U.S. Department of Transportation, Federal Highway Administration. The program is a grass-roots collaborative effort established to help recognize, preserve and enhance selected roads throughout the United States. The U.S. Secretary of Transportation recognizes certain roads as All-American Roads or National Scenic Byways based on one or more archeological, cultural, historic, natural, recreational and scenic qualities. The Pyramid Lake route was designated as a Scenic Byway in September, 1996.

1.2.13 Motor Vehicle Accident Data

A March 18, 2010 memo from Sergeant S. Miller of the tribal police (**Appendix F**) describes motor vehicles crashes on the Reservation in the period 2005-2010. In that period, the tribal police investigated approximately 200 accidents. The Nevada Highway Patrol investigated approximately 20 accidents outside of the annual "Burning Man" event (in which thousands of event participants drive through the Pyramid Lake Reservation in route to the Black Rock Desert north of the Reservation) and 90 accidents during Burning Man. There were three fatal accidents in the 2005-2010 time period. The memo lists and describes 5 frequent accident sites – they are all on State Routes 445 and 447. Accident causes include narrow roadway with restricted vision, soft shoulders, curves, and driving too fast for conditions.

Crash data for 2005-2010 were obtained from NDOT for state highways on the Reservation. The table below shows the number of crashes on each State Route during that period.

Figure 9: Traffic Crashes on State Routes on the Pyramid Lake Reservation, 2005-2010

| Route Number | Number of Crashes |
|--------------|-------------------|
| SR 427 | 13 |
| SR 445* | 18 |
| SR 446 | 3 |
| SR447* | 113 |

^{*} includes portion north of Reservation boundary SOURCE: Nevada Department of Transportation

Most crashes took place on SR 447. This is the longest route on the Reservation. The crashes were predominately single-car accidents. The most common vehicle factor was failure to keep in proper lane and run off road. The most common "most harmful event" in injury crashes was vehicle rollover. Weather did not appear to be an important factor, as most crashes took place in clear weather with good visibility. Under "driver factor" the most common was "apparently normal," followed by "fatigued driver." Only three drivers were reported as had been drinking. Crashes on SR 445 and 446 had similar factors. There were few crashes on SR427, but more 2-vehicle crashes in proportion to the total number – this may be because the route segment is more urban.

1.2.14 Traffic Hazards

According to law enforcement reports and tribal staff and member observations, traffic hazards on the Reservation are as follows:

- o Narrow roadway, soft shoulders or no shoulders, and debris on roadway (Dead Ox area) on portions of SR 447 and SR 445.
- o Inadequate street lighting in some areas leading to hazardous conditions for drivers and pedestrians.
- The annual Burning Man event which brings thousands of participants across the Reservation who have come from long distances and who are not accustomed to local driving conditions.

- Dust blowing from trucks hauling material from quarries on and adjacent to the Reservation, which often but temporarily diminishes visibility on Reservation highways used by these trucks.
- Not enough marked and signed pedestrian crosswalks and other pedestrian improvements across and along state highways through the residential areas.
- o Missing speed limit and other traffic signs.

1.2.15 Law Enforcement

The Pyramid Lake Tribe exercises civil and criminal jurisdiction over Indians and civil jurisdiction over non-Indians where the non-Indians have caused an event to occur within the Reservation that gives rise to some legal claim. Law enforcement is provided by tribal police officers. Their services are supplied by the BIA under a contract with the Tribe.

1.3 EXISTING TRAFFIC VOLUME

1.3.1 Methodology and Results of Traffic Study

Methodology

The Federal Highway Administration's publication *Developing a Long Range Transportation Plan – Information Tools for Tribal Governments* was reviewed for guidelines, recommendations and scope. Data sources were identified and reviewed for their ability to function as indicators of travel demand. Due to the rural nature of the PLPT Reservation and the availability of data, a simplified historical trend analysis was selected.

Population and Annual Average Daily Traffic (AADT) information sources were identified and found to have enough historical data to support a trend analysis. Population data was supported by three sources; the U.S. Census, PLPT, and BIA Labor Force Reports. The numbers for tribal enrollment were utilized instead of numbers for total eligible for services due to the consistency of the tribal enrollment numbers, as the total eligible for services varied greatly from year to year. Datasets for the following years were obtained based on availability: 1990, 1993, 2000, 2001, 2003, 2004 and 2005. Population for years where datasets were not available was derived by establishing trends and applying the growth factors accordingly.

Results

The Travel Demand study reviewed the recent trends in population and traffic to establish a growth rate which was then applied to current information to project population and traffic in the future, to the years 2020 and 2030. The recent population and traffic growth was consistent with the BIA's annual growth rate of 2.0%.

Accident occurrences and history were evaluated to assess the location, type and cause of accidents. Corrective measures to reduce accidents on the Reservation may be beneficial to motorists and the population in general. While traffic accidents and their causes may be due to operator error, an evaluation of existing conditions per the 2010 NDOT Road Design Guide is recommended if not already completed.

The PLPT Reservation experiences increased traffic on weekends and holidays from recreational users traveling to and from Pyramid Lake. Increase education, patrol and enforcement may be beneficial to reducing accidents and enhancing visitor experiences.

In an effort to enhance mobility for the residents and visitors to the PLPT Reservation, a ride share program or mobility center may be a beneficial and relatively cost effective means of providing additional opportunities for residents to get to their destinations. Bicycling and pedestrian facilties should be enhanced and incorporated into new development and roadway reconstruction efforts, particularly around schools and between housing and commercial land uses.

The full Travel Demand study is included as **Appendix G**

PART TWO - TRANSPORTATION PLAN

2.1.1 Background on Pyramid Lake Tribe Planning Efforts

The Pyramid Lake Paiute Tribe does not regulate development through a land use plan implemented by zoning regulations. Instead, the Tribe has a 50-year map that depicts areas for different land uses around the existing communities of Wadsworth, Sutcliffe, and Nixon. All other land on the Reservation is designated on the maps as land to be used for livestock grazing.

In 2005 the Pyramid Lake Paiute Tribe, in partnership with the Natural Resources Conservation Service, prepared a *Comprehensive Resource Management Plan* for the Pyramid Lake Reservation. This plan lays out resource management objectives for the Pyramid Lake Reservation.

Currently (November, 2010), the Tribe is preparing a *Pyramid Lake Economic Development Plan*. In November 1990 Congress passed Public Law 101-618, the Truckee-Carson-Pyramid Lake Water Settlement Act. Section 208(3)a of PL-101-618 requires that the Tribe adopt an Economic Development Plan that identifies and outlines long-term profit making opportunities for the Tribe and optimal employment opportunities for Tribal Members and establishes a high quality recreational area at Pyramid Lake. This Economic Development Plan has two sections. The first, a *Strategic Development Plan*, was completed and approved by the Tribal Council on July 2, 2010. The second part of the plan, an *Investment and Management Plan*, will be completed in 2011. The recently completed *Strategic Plan* identifies ways to create jobs and growth on the Reservation through generalized goals and policies. The *Investment and Management Plan* will lay out specific strategies to accomplish the goals. The purpose of the plan is to create long term profit-making opportunities, to create optimum employment opportunities, and to establish a high quality recreation area at Pyramid Lake for the Pyramid Lake Paiute Tribe and its Members.

2.1.2 Long Range Transportation Plan Goals and Objectives

Based on an evaluation of existing conditions and a review of existing Tribal plans, transportation goals and objectives were drafted. Tribal staff reviewed the draft goals and objectives and changed them to make them more consistent with tribal policies and responsive to tribal needs. In addition, tribal staff and tribal member ideas gathered at a transportation workshop held on May 15, 2010, were used to formulate the goals and objectives.

- **Goal 1** Provide tribal members with safe, convenient access to administration areas, housing, and other tribal services.
- **Objective 1.1** Provide paved, improved parking areas for all Tribal public facilities including community centers, schools, and administrative areas.
- **Objective 1.2** Improve and pave existing parking area at Tribal Administration area in Nixon.
- **Objective 1.3** Regularly maintain roads serving housing areas and tribal services.

Objective 1.4 In all transportation improvements and maintenance, ensure that safe

and convenient access by bicycling and walking is provided and/or

maintained.

- **Objective 1.5** Improve school bus stops.
- **Goal 2** Implement transportation improvement projects and programs that enhance the safety of all users, including pedestrians and bicyclists, as well as motorists, should be top a priority.
- Objective 2.1 Develop a Safe Routes to School plan for Natchez School in Wadsworth, and implement the plan, including infrastructure improvements and inschool programs educating families about and encouraging safe biking and walking.
- Objective 2.2 Develop a Tribal Highway Safety Improvement Program (THSIP) to identify and decrease the potential for motor vehicle crashes on the Pyramid Lake Reservation, including road safety audits for identified sections of concern including Dead Ox and Marble Bluff areas.
- **Objective 2.3** Work with the Nevada Department of Transportation to monitor and verify traffic counts on State Routes on the Reservation.
- Objective 2.4 Work with the Nevada Department of Transportation to improve and widen shoulders on State Routes on the Reservation to minimize rollover crashes.
- **Goal 3** Assure that all proposed transportation improvement projects are consistent with the Tribe's Economic Development Plan, and help move the Tribe toward attainment of those goals.
- **Objective 3.1** Develop a system of regular communication between tribal transportation planning and economic development staff regarding coordination of transportation improvements with economic development.
- Objective 3.2 Development plans for new tribal enterprises and other industrial and/or commercial areas should include traffic studies estimating the traffic generated by the new facilities and plans for transportation improvements providing access to the facilities.
- Objective 3.3 Access to and within tribal enterprise, industrial, and commercial areas by all transportation modes including pedestrian, public transit, and bicycling should be considered and accommodated in development plans.
- Objective 3.4 When planning for and developing energy projects on the Reservation, the potential impact of heavy construction and maintenance vehicles on Reservation roads should be assessed and a plan should be in place for
 - A. Repairing road damage from heavy construction traffic after the construction is completed, and
 - B. Maintaining roads subject to heavy truck traffic during the operation of the energy production facility.

- **Goal 4** Carry out transportation improvement projects that would improve the recreational resources of the Pyramid Lake Reservation, including construction and rehabilitation of boat docks; providing appropriate access to camping, fishing, and scenic areas; providing parking for recreational visitors; providing interpretive opportunities such as scenic turnouts and gateway features; and providing recreational trails are high transportation improvement priorities.
- Objective 4.1 In coordination with economic development staff and tribal leaders, continue to develop and implement an interpretive plan for the Pyramid Lake Scenic Byway, including the design of gateway features or signage, kiosks, an interpretive center, and scenic turnouts.
- Objective 4.2 In coordination with economic development staff and tribal leaders, develop a phased plan to improve recreational access to the lake and other recreational areas on the Reservation.
- Objective 4.3 Programs developed to provide long term maintenance and management of recreational facilities should include strategies for the regular maintenance and management of transportation improvements serving those facilities.
- **Objective 4.4** Expand a voluntary trailhead registration system to track use of the Tahoe Pyramid Bikeway on the Reservation.
- **Objective 4.5** Evaluate need for more boat docks on Pyramid Lake to enhance recreational access and safety/emergency response.
- Objective 4.7 In coordination with economic development staff, promote Pyramid Lake and the Pyramid Lake Scenic Highway as destinations for guided tours and tour bus routes.
- <u>Goal 5</u> Assure that all transportation improvement projects are context sensitive and enhance, rather than detract from, the scenic, natural and cultural resources of Pyramid Lake.
- Objective 5.1 In planning for and designing transportation improvements, develop a system to coordinate with tribal natural resources staff, cultural resources staff, elders and tribal leaders, and outside specialists regarding the location of critical natural and cultural resources, the potential impact of the proposed improvement on these resources, and strategies for mitigating the impact.
- **Objective 5.2** Develop a cultural resources inventory that can be used so transportation improvement projects are located and designed to minimize impact on cultural resources.
- **Objective 5.3** All transportation improvement projects will comply with federal and tribal environmental laws and regulations.
- Goal 6 Consider the impact of transportation availability on tribal members' access to higher education opportunities, job training, health care and employment, and consider implementing a transit service to provide access for tribal members to these and other opportunities and services.

- Objective 6.1 Study the feasibility of initiating a public transit service for tribal members to access services on and outside of the Reservation. In developing this plan, work cooperatively with social service providers to identify potential transit service users, funding opportunities, and the potential for joint operation of the service.
- Objective 6.2 Study the feasibility of initiating mass transit for recreational visitors including park and ride facilities in Wadsworth, and transportation to/from the Reno Tahoe Airport and from resort/casinos.
- **Goal 7** In drafting and implementing future land use plans for the Reservation, consider the interrelationship of land use and transportation and develop the land use plans in coordination with updates to this Long-Range Transportation Plan.
- **Objective 7.1** Work with transportation, planning, natural resources, and cultural advisory committees in evaluating transportation improvement projects.
- **Goal 8** Provide appropriate transportation improvements to serve ranching and agriculture.
- Objective 8.1 Coordinate with the Pyramid Lake Cattlemen's Association to identify, improve, and regularly maintain roads critical to the operation of agricultural and grazing uses.
- **Objective 8.2** Remove unnecessary cattleguards.
- **Goal 9** Regularly maintain existing transportation improvements (roads, parking areas, bus stops, scenic turnouts, bike paths, sidewalks).
- **Objective 9.1** Draft and implement a road and transportation maintenance plan and/or a pavement management program
- Objective 9.2 Maintenance should consist of not only regular surface repair and snow removal when necessary, but also litter and debris pick-up, clearing of drainage structures, and removal of invasive plants.
- **Objective 9.3** Work with the BIA and NDOT to identify and obtain adequate funding to carry out Reservation transportation maintenance needs.

Goal 10 Improve pedestrian and bicycle conditions on the Pyramid Lake Reservation.

- **Objective 10.1** Evaluate need for and potential locations of new walking paths, sidewalks and bicycle trails throughout the Reservation.
- Objective 10.2 Develop a "rails to trails" bicycle and pedestrian trail along the abandoned railroad grade through Wadsworth, to provide nonmotorized access to the school and community center, housing areas, and recreation.
- **Objective 10.3** Develop a plan to improve, maintain, and extend the Tahoe Pyramid Bikeway. This plan should include.
 - A. An evaluation of the present location of the bikeway and alternatives for redesign and/or relocation of the facility to

- minimize impact on the privacy of tribal members residing in the housing areas on the Reservation
- B. Preliminary and/or final design of a continuation of the bikeway along the western shore of Pyramid Lake to Sutcliffe.
- C. An assessment of the potential impact of the bikeway extension on the Reservation's natural and cultural resources and a plan to mitigate the impact.
- D. Design of interpretive/directional signs or features.
- E. Plans for special events on the bikeway.
- F. Continued coordination with the nonprofit Tahoe Pyramid Bikeway organization regarding volunteer bikeway construction and maintenance and special events.
- G. A plan for maintenance of the bikeway.
- H. Identification of funding sources for the construction of the bikeway extension and for ongoing maintenance.

2.1.3 Short and Long Range Development Plans

Overall, tribal economic development goals consist of the following:

"To create long term profit-making opportunities, to create optimum employment opportunities, and to establish a high quality recreation area at Pyramid Lake for the Pyramid Lake Paiute Tribe and its Members."

Tribal resource management goals include the following:

"To enhance natural resources that sustain agricultural productivity and environmental quality while supporting economic development, recreation and scenic beauty...to sustain the ecology of the entire watershed encompassing the Pyramid Lake Reservation...to maintain and improve the biotic and abiotic conditions of the Pyramid Lake ecosystem...to improve conditions in the Lower Truckee River and in Pyramid Lake so Lahontan cutthroat trout and cui-ui populations...are self-sustaining."

As this Long Range Transportation Plan, as well as the *Comprehensive Resource Management Plan* and the *Economic Development Plan* are implemented, the following future conditions on the Reservation may occur.

2.1.4 Assumptions for the Years 2015 (five-year) and 2030 (20-year)

Year 2015

It is assumed that by the year 2015:

- The Tribe's *Economic Development Plan* has been completed and is in the process of being implemented.
- The Wadsworth Bypass project has been completed.

- Projects to improve the safety of students walking to Natchez School in Wadsworth have been completed.
- A phased plan for recreational improvements has been completed and some recreational development projects providing access to Pyramid Lake, including potentially a new paved road to Pelican Point, and new, appropriately-sized parking lots for recreational visitors, have been completed.
- Use of the Tahoe Pyramid Bikeway has increased, and a plan is being implemented to extend the facility north to Sutcliffe.
- A geothermal, solar, or wind energy project on the Reservation will be either in final planning and construction phases or completed.
- The Tribe has assessed the feasibility of a public transit system providing access to destinations on and off the Reservation, and depending on the results of the feasibility study, has either sought other means to increase tribal member access to employment and other services, or received funding for, designed, and implemented the transit system.

It is assumed that by the year 2030:

- A comprehensive strategy to develop and manage the Reservation's recreational resources
 has been designed and implemented, including new boat docks, parking areas, camping
 areas, trails, and interpretive facilities.
- New commercial enterprises have been developed on the Reservation to serve Reservation residents, recreational visitors, and others.
- The industrial park near Wadsworth has been developed and partly occupied.
- The Reservation now holds one or more completed and functioning alternative energy facilities.
- Tribal members continue to relocate back to the Reservation due to improved jobs and housing, business development, and educational opportunities.
- Grazing and other agricultural use, with improved grazing conditions and possibly new crops, continues as a major use of Reservation land outside of existing communities.
- Pyramid Lake continues to hold a thriving fishery that draws visitors both regionally and nationally.

2.2 PROJECTED TRAVEL DEMAND

2.2.1 Projected Traffic Volumes and Analysis of Demand and Capacity

In the Road Inventory Update, Lumos and Associates was directed by BIA/WRO to use a standard 2% annual growth rate to project the 20-year Average Daily Traffic (ADT) on Reservation and Colony roads. The Travel Demand Study (**Appendix G**) shows that this standard growth rate is consistent with the actual growth rate on the Reservation. As the Travel Demand Study indicates, at this growth rate, Reservation roads will continue to exhibit the current minimal traffic congestion: they will remain rural roads.

However, the Travel Demand Study also shows that since Pyramid Lake is a recreational destination from adjacent cities, weekend daily traffic increases dramatically – up to a sevenfold increase – on busy holiday weekends. If the population of the adjoining urban areas begins to grow again after the 2009 recession, and if the Tribe implements improvements and programs designed to draw recreational visitors to Pyramid Lake, segments of the Reservation road

system will become more congested on weekends, potentially resulting in increased crashes and slower travel speeds.

In addition, the Tribe's economic development plans call for industrial development in designated areas. Without plans for the development, it is not yet possible to estimate potential traffic volume added by the development. If significant commercial, residential or industrial development projects do take place on the Reservation within the 20-year time frame of this plan, the Tribe should determine during the process of project planning and development whether a separate travel demand analysis should be prepared and incorporated into the Long Range Transportation Plan.

2.3 METHOD USED TO IDENTIFY POTENTIAL TRANSPORTATION IMPROVEMENT PROJECTS

In addition to evaluating Tribal development plans and future traffic generation, Lumos used the following strategies to further identify and define transportation needs and potential transportation improvement projects:

Existing priority list

In May 2009, the Pyramid Lake Tribal Council adopted a revised Transportation Improvement Projects Priority List. The projects currently on this list were taken as a starting point in formulating an expanded and revised list based on the information developed in the planning process.

• Review of Road Inventory

In the 2010 draft road inventory update, roadway conditions were evaluated and potential hazards identified. Lumos reviewed this information to identify road segments most in need of repair or reconstruction.

• Review of previous plan

In 2004 Ayala and Associates completed a Transportation Plan for the Pyramid Lake Tribe. Lumos evaluated the potential transportation projects in that plan in light of the Tribe's current needs and priorities.

Staff meetings and review

Lumos met several times with tribal leaders and staff to further identify and evaluate potential projects. In these meetings, consultants and staff reviewed tribal plans and priorities and conditions on the ground.

• Transportation Workshop, public review

On May 15, 2010 a transportation workshop was held at the tribal headquarters in Nixon on the Pyramid Lake Reservation. Attendees were given the opportunity to comment on traffic safety hazards, transportation needs, and potential transportation improvement projects on the reservation. Six tribal members and/or staff attended and commented on many aspects of transportation on the Reservation. Materials from the workshop are in **Appendix H**. Tribal members and the public were also given the opportunity to review and comment upon this draft plan. A notice of the review period and availability of the document, with any comments, are in **Appendix H**.

Plan Goals and Objectives

The goals and objectives listed in Section 2.1.2, above, were reviewed to identify potential transportation projects that would implement the goals or objectives.

2.4 RECOMMENDED TRANSPORTATION PLAN

2.4.1 Transportation Improvement Issues Identified through Planning Process

The following transportation issues were identified through the planning process.

- Road and traffic safety, especially on state highways
- Several safety issues were identified. These include uneven cattleguard grates on state highways; lack of adequate street lighting in some areas; sharp curves; the huge seasonal influx of traffic travelling to the Burning Man festival in the Black Rock Desert each September; debris on the highway; soft shoulders, nonexistent shoulders, and narrow travel lanes in some areas
- Need for transportation improvements to serve economic development goals

 The Tribe has ambitious economic development goals for the Reservation. Coordination among planning, transportation, and economic development staff should take place to assure that transportation system improvements are coordinated with economic development projects.
 - Pedestrian safety improvements

Staff and tribal members identified insufficient safety improvements for pedestrians in places where state highways go through the Reservation towns.

• Condition of unpaved roads

Many of the roads on the Pyramid Lake roadway system are unpaved, either graded dirt/gravel or primitive/unimproved. Many of these roads are used by recreational visitors and tribal members to access lakeshore recreational areas, so they get moderately heavy use, and consequently develop washouts, washboarding, and potholes.

- Safety Signage
- The Road Inventory Update noted a lack of safety signs on Reservation roads, and many existing signs were damaged.
 - Regular roadway maintenance

Regular maintenance of existing Reservation roads was identified as a priority, so members could safely access homes, services, and administrative areas.

• Safety improvements around schools and preschools.

Pyramid Street, the location of the Wadsworth Headstart, has no safety signage, no marked crosswalks, and no sidewalks to allow safer access to the preschool by students, parents, and teachers. Other schools need safer pedestrian and bicycle access as well.

- Potential need for a public transit system
- Some participants indicated a need for a public transportation system to increase transportation options for tribal members especially to work and schools.
- Maintenance and continued development of tourism infrastructure
 Roads accessing recreation areas, the Tahoe Pyramid Bike Trail, boats docks, trailer and recreational vehicle parking, and the Pyramid Lake Scenic Byway should be regularly maintained, and improved in order make Pyramid Lake a high-quality recreational destination while protecting and interpreting the scenic resources.

2.4.2 Transportation Improvement Projects Priority List

Tribal priority lists are analyzed and used by the BIA to generate an IRR TIP for the tribes that identify anticipated preconstruction and construction project costs and the disbursement of funds for pre-construction and construction activities based on the Tribe's annual percent share of IRR program funds.

In Resolution PL 42 11 adopted on May 6, 2011, the Pyramid Lake Tribal Council approved a list of ten priority transportation improvements. These projects are presented in detail in **FIGURE 10.** The location and length in miles of the project are given (if applicable). The project, the need for the project, and the areas or population served by the project are described. Cost estimates (for planning purposes only) are given for each project. The potential responsible agency and funding source are listed for each project. In Resolution PL 42 11 the Tribe assigned a priority to each project: these priorities are shown in the chart in column one. The Tribe expects and requests that projects will become part of a regional BIA Transportation Improvement Program (TIP) and will be funded with the Tribe's annual RNDF funding allocations, or from other sources specified in the list. The proposed transportation improvement projects also are shown on the **20-Year Transportation Plan Maps 12 Through 20.**

Tribal staff and consultants also identified several non-road transportation improvement projects. While not currently a part of the adopted priority list, these projects are listed and described in **FIGURE 11** of this report.

2.4.3 Government Agency Responsibility

Indian Reservation Road transportation studies such as this one are intended to serve Indian reservations that have previously lacked this planning tool. Long Range Transportation Planning Studies consisting of 20-Year Transportation Plans implemented by 5-Year Transportation Improvement Programs are standard transportation planning practice for municipalities, counties, and states. Indian Reservation Road transportation studies are somewhat different, however, than those conducted by other government entities because they may include roads maintained and improved by several different government entities.

It is critical to note that this long-range study is not intended to relieve the Washoe County Regional Transportation Commission, Storey and Lyon Counties, the state of Nevada, or any federal land management agencies of their responsibility to obligate a fair share of federal aid highway funds for the improvement and maintenance of state and county roadways within and adjacent to the Pyramid Lake Reservation. As described in Section 1.2, government entities share responsibility for maintenance and improvements of roads providing access to or on the Pyramid Lake Reservation. NDOT maintains State Routes 445, 446, and 447 and Interstate 80. Lyon County and Storey County maintain roads providing access to housing, commercial, and industrial areas adjacent to the Reservation.

NDOT roadway improvements are made based upon the planning process described in Section 1.2.1. Improvements made by the counties (or in Washoe County, by the Washoe County Regional Transportation Commission) are considered in a transportation planning process by which they are placed by priority in a five-year Transportation Improvement Program. BIA road system projects are given consideration based upon a five-year priority list submitted to the BIA by Tribes. In **Figure 11** potential responsible agencies and funding sources are listed for each project.

2.4.4 Proposed Revisions to BIA and non-BIA Road System

Figure 3 show the mileage that was added to and deleted from the BIA and non-BIA IRR system on the Pyramid Lake Reservation in the latest Road Inventory Update.

2.5 PLAN IMPLEMENTATION AND UPDATING

2.5.1 Funding

The Pyramid Lake Tribe expects that transportation improvement projects and programs contained in this Long Range Transportation Planning Study and Transportation Improvement Projects Priority List will be implemented using the funding sources identified in the Priority List. Projects potentially funded by the BIA will be added to the BIA regional IRR TIP. The Pyramid Lake Paiute Tribe will receive funding for these projects based upon the allocation formula described in section 1.2.3

For projects on non-BIA IRR roads, the Tribe or Tribe will coordinate with the Nevada Department of Transportation and/or the county to identify funding for priority tribal transportation projects.

Some of these projects might take place as a part of tribal development projects. In this case, transportation improvements might be funded and constructed, at least partly, by the developer, and subsequently maintained by businesses on the site. For projects on the Reservation but not on the BIA or IRR system, improvements might be made as a part of an overall capital improvements program.

Pedestrian and bicycle improvements can be funded both as a part of road improvement projects as they are completed, or separate funding can be sought from other sources, such as Transportation Enhancements (TE), Safe Routes to Schools (SRTS), or Recreational Trails (Rec trails). These are federal programs administered by NDOT or Nevada state parks. TE funds enhancements to transportation systems including bicycle and pedestrian facilities; SRTS provides funding for programs and projects that enhance and encourage walking and bicycling to school, and Rec Trails provides funding for recreational trails including bicycle and walking paths.

For potential improvements to the Pyramid Lake Scenic Byway, the Secretary of Transportation makes discretionary grants to States and Indian tribes to implement projects on highways designated as National Scenic Byways or All-American Roads, or as State or Indian tribe scenic byways. Projects submitted for consideration should benefit the byway traveler's experience, whether it will help manage the intrinsic qualities that support the byway's designation, shape the byway's story, interpret the story for visitors, or improve visitor facilities along the byway.

It also is suggested that the Tribe coordinate with the BIA to identify critical projects that may become a part of national economic recovery efforts, if the efforts continue.

2.5.2 Plan Updating

The priority list will be updated periodically to reflect the completion of current projects and the inclusion of new priority projects, contingent on anticipated available funding. The Transportation Plan will be reviewed and updated every five years, and may be updated sooner if there are additions to the Tribe's land base, major changes in land use and/or economic development strategies, or when changes in the regional economy and transportation system necessitate an earlier update. These changes, redrafts, or revisions will be initiated based upon the direction of the Tribal Council and/or tribal staff.

2.5.3 Transportation improvement Program

The BIA Regional Office is required to produce and submit an annual four-year IRR-TIP for each Tribe within its jurisdiction to BIADOT and FHWA for review and approval. The current year TIP amount for each Tribe must equal their current year allocation, and the TIP amounts for the +1, +2 + 3 years must be within plus or minus ten percent (± 10) of their current year allocation. The IRR-TIP is generated by the Control Schedule/Transportation Improvement Plan System (CSTIPS) program which is used to enter relevant project information and yearly cost estimates for project activities.

A Tribal TIP is a multi-year, financially constrained, list of proposed transportation projects to be implemented during a 3 to 5 year period on roads with or providing access to Indian trust land. It is developed from a Tribal transportation improvement priority list and must be consistent with the Tribe's Long Range Transportation Plan. Projects on the Tribal TIP must be on route in the IRR inventory. It may also contain projects funded by the Tribe and other Federal, State, and/or township DOT's initiated by or developed in cooperation with the Tribe. Only those projects approved by the sponsoring governmental entity may be included in a Tribal TIP. An "Example" Tribal TIP form is contained in Appendix I. Tribal TIP's containing IRR funded projects need to be submitted to the BIA Regional Office for inclusion in the IRR TIP and must contain relevant project information needed by the BIA to enter the project in the IRR TIP. Information needed by the BIA is identified in the Project Detail Report for BIA Funded Projects form which is also contained in Appendix I.

IRR funded projects identified in the Tribal TIP are reviewed by the Region BIA Office to insure that they contain sufficient project information to create or update a project in the IRR TIP, and that the project totals are within plus or minus ten percent (±10) of the Tribe's annual share of IRR funds. Acceptable Tribal TIP projects are included in the IRR TIP unchanged. Tribal TIPs requiring additional project information or that have project totals exceeding their annual share are returned to the Tribe for correction and re-submittal.

2.5.4 Procedures For Development of Roads and Transportation Improvements

For the most part, tribal governments have not established policies or guidelines to monitor and control the construction of roads and other transportation improvements. It is the recommendation of this study that the Tribe adopt a process for approving and monitoring transportation improvement projects to ensure that the improvements will be constructed to an

adequate standard, and properly maintained. The essential elements of such a process are outlined below.

Design Standards

The first element of the process is to define what is expected. When a transportation project is submitted for review, it should be given conditional approval only, subject to the improvements being constructed to proper standards. Roads should be designed to meet minimum geometric and structural standards for the anticipated volume and vehicle loads. Pedestrian improvements such as sidewalks, multi-use paths for non-motorized transportation, and improvements associated with public transit also should also be designed to meet proper standards; these are generally determined based on the location of the facility and the type of use it will receive. Standards for roadways and other transportation improvements should be adopted by the Tribe and made available to developers. The Tribe could use, as a basis for its standards, those currently in place in Washoe County, BIA standards, or State standards.

These design standards could be adopted "as-is," or modified based upon the specific needs of the Tribe. Most cities in Nevada have adopted either NDOT or local standards, so developers and design engineers should be familiar with the requirements.

Plan Submittal and Review

The second element in the approval process is the submittal and review of construction documents (plans and specifications). The Tribe should employ experienced staff or consultants to review proposals and to ensure that the plans and specifications meet minimum design standards. Road plans and plans for other transportation improvements should only be approved for construction if they conform to minimum design standards based on anticipated use and traffic loads. The Tribe should also seek review and approval of construction documents from the BIA if the Tribe anticipates adding the road or improvement to the BIA road system.

Construction Monitoring

Another essential step is the monitoring of the actual construction. The project should be inspected periodically by a qualified representative of the Tribe to ensure that construction is proceeding in accordance with approved plans and specifications. A final inspection should be performed prior to acceptance of responsibility for maintenance of the road or other transportation improvement. The Tribe should consider requiring a performance bond. Common in most jurisdictions, a performance bond is held until the improvement has been accepted and conditions for release have been met.

Maintenance Funding

The process should also address a method for financing the long-term maintenance of roads and other transportation improvements. For example, the Tribe could generate revenue for maintenance of transportation improvements by assessing a fee or tax on private properties or leases that benefit from the improvement, similar to a local ad valorem, or "property" tax. Revenues from this fee or tax could be deposited into a fund reserved for maintenance of

| improvements. Or alternatively, a portion of tribal enterprise revenues could be deposited into a fund dedicated to maintenance of the transportation improvements. |
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Long Range Transportation Plan for the Pyramid Lake Reservation

| | | | | | Pyramid Lak | ce Paiute Trib | e Transportat | ion Improve | ement Projects (Roads |) Priority List (Resolution PL 42 11 Adop | ted May 6, 2011) | | | | |
|----------|--|-----------|------------------------------------|----------------------|---|-------------------------|-------------------|---------------------------------------|---|--|--|------|--|--|--|
| Priority | Project Name | Location | BIA Route Number | BIA Section Number | Route Name | Route Classification | Length (miles) | Width of Pavement (ft) | Condition | Project Description | Serves | ADT* | Project justification | Potential Funding Source and/or Responsible Agency | Estimated Cost |
| 1 | Wadsworth By-pass | Wadsworth | 0035 | 010 | Wadsworth By-Pass | 5 | 3.00 miles | proposed road | proposed road | new road to link SR 427 and SR447, bypassing center of Wadsworth | town of Wadsworth, Reservation residents, recreational visitors | | traffic safety - by routing state highway traffic around Wadsworth, traffic safety - for pedestrians and bicyclists as well as motorists - will be improved | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe; BIA - IRRHPP; NDOT - project submittal process | \$ 4,796,000 |
| 2 | Pelican Point Access | Sutcliffe | 0205 | 010 | Pelican Point Road | 5 | 1.00 mile | . (| gravel road to beach access and boat ramp | improve/pave existing gravel road to principal recreational access point to Pyramid Lake | recreational visitors and tribal economic development goals | | By improving recreational access to Pyramid Lake, this project will help implement the Pyramid Lake Tribe's economic development goals. | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe; BIA - IRRHPP; NDOT - project submittal process | \$ 933,000 |
| 3 | Capital Hill Road | Nixon | 0101 | 105 | Capital Hill Road | 3 | 0.05 miles | | gravel/dirt road, no shoulders, hill, leads to tribal administration area | grade, drain, pave road | Tribal administrative area including administrative offices, council chambers, tribal housing authority | | Improve all-weather access and parking to key administrative area | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe | \$ 70,600 |
| 4 | Administration building parking areas | Nixon | P101 | 050 | administration building parking areas | 9 | 0.1 | unpaved | parking area for tribal administration buildings is unpaved | grade, drain, pave, and stripe parking lot | Tribal administraton area including administrative offices, council chambers, tribal housing authority | | Improve all-weather access and parking to key administrative area | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe | \$ 50,400 |
| 5 | Wadsworth Community Center access loop and parking | Wadsworth | planned route not yet on inventory | not yet on inventory | Wadsworth Community Center Loop and Parking | 5 | `approx 0.2 miles | standard | proposed access loop road and parking | develop access loop road and parking to serve proposed community center in Wadsworth | will serve a community center serving all tribal members especially Wadsworth residents | | To allow tribal members access to a community center offering educational, administrative, | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe; Indian Community Development Block Grant (HUD) | \$ 257,000 |
| 6 | Ranch/Big Bend Road | Wadsworth | 0102 | all sections | Big Bend Road - also called Ranch Road | 5 | .05 miles | | Pavement is in fair condition, but narrow single-lane road | Widen paved sections to 2-lane paved road with shoulders; pave dirt section that leads to rodeo grounds; develop loop road with parking to access pow wow grounds | serves Big Bend RV park, youth treatment center, tribal victims services, pow wow grounds, rodeo grounds | | To improve access to critical economic/ recreational development area, also to social services facilities. | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe | \$ 1,396,000 |
| 7 | Lakeview Drive | Sutcliffe | 0201 | 030 | Lakeview Drive | 5 | 0.15 miles | 30 (existing gravel road width) | gravel/dirt road leads to beach and camping | pave existing dirt road and improve parking for recreational users | recreation area/ lakeshore | | economic/ recreational development | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe | \$ 498,000 |
| 8 | Warrior Point | Sutcliffe | 0021 | 010 | Warrior Point | 5 | 1.4 | 21 (existing gravel road width) | dirt/ gravel road - main beach access | grade, drain and pave existing beach/ camping access road. Provide parking at road terminus for beach access. | principal beach access for Reservation residents and recreational visitors | | By improving recreational access to Pyramid Lake, this project will help implement the Pyramid Lake Tribe's economic development goals. | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe | \$ 1,184,000 |
| 9 | Pyramid Lake Road | Sutcliffe | 0002 | 010 and 020 | road north from Sutcliffe to Honey Lake, Smoke Creek desert | 4 | 11 | 22 (existing gravel road width) | dirt/ gravel road | Pave unpaved section on Reservation or carry out regular blading to improve surface and minimize washboarding | Northern access to Reservation. Also serves Aster Pass Geothermal Project. | | It is important to maintain this road that provides access to northern Reservation areas, as well as providing northern entry to Reservation. Also serves important geothermal resource sites (Aster Pass) and important cultural site (The Needles) | | \$108,000 (annual grading) to \$8,899,000 (paving) |
| 10 | Pyramid Road | Nixon | 0005 | 010 | | 5 | 12.00 miles | | dirt road | grade, drain, gravel and regularly blade existing dirt road | provides access to The Pyramid and the Stone Mother, important scenic and cultural features on the Reservation | | economic/ recreational development | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe | \$ 2,071,000 |

Figure 11 Priority Non- Road Projects

| | | | Other Py | ramid Lake Paiute | e Tribe Transportation Improvement Projects, Non-roadway Projects | s, Unprioritized. Not part of Priority List (Resolution PL 42 11) A | dopted by Tribal Council May | 6, 2011 | | |
|--|--|----------------------------------|--|--|--|--|---|---|---|---|
| Project Name | Location | BIA Route Number (if applicable) | BIA Section Number (if Applicable) | Route Name (if Applicable) | Condition | Project Description | Serves | Project justification | Potential Funding Source and/or Responsible Agency | Estimate |
| Wadsworth and Nixon Safe Routes to School Programs | Wadsworth and Nixon: | 0102 and 0447 0101 and 0447 | 100 0101- 066, 063, 060,and 0447- 810, 820 | Pyramid Street and SR 447; High School Road and SR 447 | elementary school and HeadStart preschool in Wadsworth; day care facility and High School in Nixon: state highway and local streets with inadequate facilities to allow safer use by bicyclists and pedestrians, especially parents and children walking to school | working with administrators and parents at Natchez Elementary School, Pyramid Lake High School and the two preschool/ depcare facilities, the Pyramid Lake transportation department will initiate a Safe Routes to School plan and program at the schools that will include enhanced trafficerforcement, engineering (design and installation of bicycle and pedestrian safety features); and education and encouragement to walk to school (by way of in-school and after-school programs) | students and families of Natchez School and Wadsworth Head Start preschool. Students and families of Pyramid Lake High School and Nixon Day care facility. | existing unsafe conditions for children, family and youth bicyclists and pedestrians in and around four schools. | Safe Routes to School grant through NDOT; tribal funding | to be determined once Safe Routes plan completed |
| Preventative Maintenance Program | all Reservation | | | | roads will be evaluated for best repair/maintenance strategy (14 road segments currently have SCI of "poor"; 68 have SCI of "fair") | a plan/strategy to evaluate, repair, and maintain reservation roads | all Reservation | this strategy will provide the tribe with a system to evaluate and forecast road surface repair/maintenance needs and to repair/maintain roads in the most timely cost-effective manner. | BIA/FHWA RNDF annual funding allocation for Pyramid Lake Tribe - 2% planning set- aside | to be determined |
| Public transportation system for Pyramid Lake | between Reservation towns and surrounding urban areas | | | | There is currently no public transportation system serving the Reservation | Carry out needs assessment and routelfare study; 2. Identify and apply for funding; 3. If/when funding is received, purchase vehicles, hire and train drivers, etc. | Reservation residents especially low- income, elderly and disabled. | community development; economic development | Federal Transit Administration (FTA) Tribal Transit Program | |
| Tahoe Pyramid Bikeway | Tahoe Pyramid Bikeway: existing section Wadsworth to Nixon; proposed route Nixon to Sutcliffe and north. | T100 | all sections | Tahoe Pyramid Bikeway | existing route between Wadsworth and Nixon has infrequent maintenance, minimal signs. No improvements at all yet north of Nixon | Draft a regular maintenance plan or schedule; evaluate need for and install additional directional, trailhead, and interpretive signs; do an alignment of leasibility study for Nixon: Sutcliffe – north route; and design an alternative alignment that bypasses Nixon residential areas including Basin Street and homes along west Pyramid Lake Road | recreational users | Recreation; economic development; safety | Transportation Enhancements; Recreational Trails program (Land and Water Conservation Fund) | \$ 60,00 |
| Recreational Trails Project | to be determined | | | trails not yet named | no existing trails | In this project tribal staff will identify potential locations for recreational trails in scenic areas of the Reservation and seek funding for trail design and construction. | Tribal members and recreational visitors | Recreational/ economic development; public health | Recreational trails program | to be determined when trail locations are identified |
| Pyramid Lake Scenic Byway Improvements | Scenic Byway | SR 445, 446, 447 | | Pyramid Lake Scenic Byway | Scenic Byway has inadequate signs and interpretive facilities to draw visitors and to explain scenic and historical/cultural features of Pyramid Lake | In coordination with economic development staff and tribal leaders, and following an existing interpretive plan for the Pyramid Lake Scenic Byway, design gateway features or signage, kiosks, an interpretive center, and scenic turnouts, and seek funding for improvements | reservation visitors | economic development, development of scenic recreational resource. | National Scenic Byways discretionary grant program; Transportation Enhancements (TE) | \$ 193,00 |
| Safety signage | all Reservation | | | | many roads are missing traffic signs, especially stop; yield; curve warning signs | this project would evaluate current signage on the Reservation, then install missing signs. | all Reservation and all Reservation visitors - safety | safety for road users. Lack of stop, yield, speed, and curve warning signs may lead to increased crashes; reinstalling these signs should diminish crashes. | Highway Safety improvement Program (HSIP) through NDOT Indian Highway Safety Grant (FHWA) tribal funds | °; \$ 49,00 |
| Streetlights | Wadsworth at intersection of Old Highway 40 and SR 447; Wadsworth - in front of Natchez School by bus stop | SR 447 and SR 427 | | | inadequate lighting at a key intersection and at an elementary school | install 2-4 streetlights | Schoolchildren; Wadsworth residents; all users of SR447 | safety | Highway Safety improvement Program (HSIP) through NDOT; Indian highway Safety Grant (FHWA) tribal funds | ·; \$ 48,00 |
| Valley Road bridge replacement | Truckee River between Nixon and Wadsworth | 0006 | 020 | Valley Road Bridge | bridge over Truckee River is gone | replace bridge | rural housing | Provides access to rural housing. Also provides alternate bridge over Truckee River for potential emergency access. | BIA bridge replacement program | n \$ 4,038,00 |
| New Boat Docks | to be determined | | | | there are three boat docks currently - at Sutcliffe, Warrior Point, and Pelican Point | Using existing boat dock studies done by the Tribe construct a new boat dock for recreational boaters, public safety and fisherman on Pyramid Lake. Design dock. Identify funding sources. Apply for grant funding. | recreational boating | Economic/ recreational development | not yet identified. Potentially tribal economic development funding | to be determined once location and number docks are determined |
| Nixon Airstrip | Nixon | | | Nixon Airstrip | no existing airstrip | Design and construct airstrip adjacent to Nixon with a single paved runway and a base building | tribal members and recreational visitors. | economic/ recreational development; emergency medical transport | FAA Airport Capital Improvement Grant | \$ 5,819,00 |
| Bicycle and pedestrian improvements | all Reservation | | | all as necessary | Reservation roads lack pedestrian and bicycle improvements including bike lanes, sidewalks, safety signage, and pavement markings/crosswalks | this project would evaluate bike and pedestrian use on the Reservation, and identify improvements in key use areas (Nixon, Wadsworth, Subcliffe) to improve safety for bicyclists and pedestrians using Reservation roads. | all Reservation residents, especially those who walk or bicycle | currently Reservation roads have few or no facilities to accommodate safer bicycling and walking, yet there are places - especially in the three towns on the Reservation, where people bike and walk. This program would identify areas of bloycle and pedestrian use, and design and construct improvements that would enhance safe bicycle and pedestrian use. | Transportation Enhancements; RNDF annual funding allocation for Pyramid Lake Tribe - 2% planning set-aside | 1 |
| Cattleguards on state highways | | SR 447, 445, 427, 446 | as necessary | SR 447, 445, 427, 446 | unnecessary cattleguards in some areas, some cattleguards not at road surface level due to resurfacing | Evaluate cattleguards. Remove those that are no longer necessary. Repair uneven surfaces on those that are not at road surface level | all Reservation residents and visitors | Safety | | |
| Traffic Safety Review Program | all Reservation | | | all | Single-car crashes - often run-off-the-road, rollover crashes -are the most frequent crash type on state highways on the reservation. NDOT crash data indicate portions of state highways on the reservation where accidents are most frequent | evaluate and install safety improvements including pavement markings, warning signs with current retroreflective standards, curve defineation treatments; edge lines, barriers and rumble stripes in high-accident portions of state highways and other local roads | all reservation residents and visitors | Sallety. | | |
| Seat belt awareness campaign | all Reservation | | | | Single-car crashes - often run-off-the-road-rollover crashes - are the most frequent crash type on state highways on the reservation. NDOT crash data indicate portions of state highways on the reservation where accidents are most frequent | | | safety | | |

Appendix A Long Range Transportation Plan for the Pyramid Lake Reservation Information Sources and References

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| Denotes | Tribal Sec | tions with | nin BIA Sys | stem R | 1 | | | | | | | |
|----------|-----------------|------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|----------------------|
| | ventory date | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surfac | е Туре | Cons | t. Need | Section Name |
| 0002 | 010 | 0002 | 010 | 4 | 4 | 7.3 | 7.3 | 1 | 3 | 1 | 1 | |
| 0002 | 020 | 0002 | 010 | 4 | 4 | 4.1 | 4.1 | 1 | 3 | 1 | 1 | |
| Subtotal | | | | | | 11.4 | 11.4 | | | | | |
| 0003 | 010 | 0003 | 010 | 5 | 5 | 6.6 | 6.7 | 5 | 5 | 1 | 1 | Hill Ranch Road |
| 0003 | 020 | 0003 | 020 | 5 | 5 | 0.9 | 1.4 | 5 | 5 | 1 | 1 | |
| 0003 | 030 | 0003 | 030 | 5 | 5 | 1.4 | 0.7 | 5 | 5 | 1 | 1 | Little Nixon Road |
| 0003 | 035 | 0003 | 030 | 5 | 5 | 0.8 | 0.8 | 5 | 5 | 1 | 1 | Little Nixon Road |
| Subtotal | | | | | | 9.7 | 9.6 | | | | | |
| 0004 | 010 | 0004 | 010 | 5 | 5 | 1.3 | 1.3 | 5 | 5 | 1 | 1 | W. Pyramid Lake Road |
| | | 0004 | 020 | | 5 | | 3.5 | | 3 | | 1 | DELETE |
| Subtotal | | | | | | 1.3 | 4.8 | | | | | |
| 0005 | 010 | 0005 | 010 | 5 | 5 | 8.1 | 9.0 | 1 | 1 | 1 | 1 | Unnamed |
| 0005 | 015 | 0005 | 020 | 5 | 5 | 6.1 | 6.1 | 1 | 1 | 1 | 1 | Unnamed |
| 0005 | 016 | 0005 | 020 | 5 | 5 | 1.7 | 1.7 | 1 | 1 | 1 | 1 | Unnamed |
| 0005 | 020 | 0005 | 020 | 5 | 5 | 10.1 | 9.1 | 1 | 1 | 1 | 1 | Unnamed |
| 0005 | 025 | 0005 | 020 | 5 | 5 | 4.7 | 4.6 | 1 | 1 | 1 | 1 | Unnamed |
| Subtotal | | | | | | 30.7 | 30.5 | | | | | |
| 0006 | 010 | 0006 | 010 | 5 | 5 | 0.9 | 0.9 | 4 | 1 | | 1 | Valley Road |
| 0006 | 020 | 0006 | 020 | 5 | 5 | | | | | 4 | 4 | Bridge 334H |
| 0006 | 030 | 0006 | 030 | 5 | 5 | 2.1 | 2.1 | 5 | 5 | 1 | 1 | Hollywood Road |
| 0006 | 040 | 0006 | 040 | 5 | 5 | 0.4 | 0.4 | 4 | 5 | 1 | 1 | Eagle St. |
| Subtotal | | | | | | 3.4 | 3.4 | | | | | |
| 0007 | 010 | 0007 | 010 | 5 | 5 | 12.5 | 13.9 | 3 | 3 | 1 | 1 | Unnamed |
| Subtotal | | | | | | 12.5 | 13.9 | | | | | |
| 8000 | 010 | 8000 | 010 | 5 | 5 | 2.7 | 2.7 | 3 | 1 | 1 | 1 | Unnamed |
| 8000 | 020 | 8000 | 020 | 5 | 5 | 10.5 | 10.5 | 1 | 1 | 1 | 1 | Unnamed |
| 8000 | 025 | 8000 | 020 | 5 | 5 | 6.6 | 6.6 | 1 | 1 | 1 | 1 | Unnamed |
| 8000 | 030 | | | 5 | | | | 1 | | 2 | | Unnamed |
| 8000 | 040 | | | 5 | | | | 1 | | 2 | | Unnamed |
| Subtotal | | | | | | 19.8 | 19.8 | | | | | |
| 0009 | 010 | 0009 | 010 | 5 | 5 | 11.3 | 11.3 | 1 | 1 | 1 | 1 | Sheep Pass Road |
| 0009 | 020 | 0009 | 020 | 5 | 5 | 2.6 | 2.6 | 9 | 9 | 1 | 1 | Sheep Pass Road |
| 0009 | 030 | 0009 | 030 | 5 | 5 | 2.2 | 2.2 | 9 | 1 | 1 | 1 | Sheep Pass Road |
| Subtotal | | | | | | 16.1 | 16.1 | | | | | |
| 0010 | 010 | 0010 | 010 | 5 | 5 | 6.4 | 4.2 | 1 | 9 | 1 | 1 | Fox Springs Road |
| Subtotal | | | | | | 6.4 | 4.2 | | | | | |
| 0011 | 010 | 0011 | 010 | 5 | 5 | 6.8 | 6.8 | 1 | 1 | 1 | 1 | Sweet Water Road |
| Subtotal | | | | | | 6.8 | 6.8 | | | | | |
| 0012 | 010 | 0012 | 010 | 5 | 5 | 0.2 | 0.2 | 3 | 5 | 1 | 1 | Railroad Ave. |
| 0012 | 020 | 0012 | 010 | 5 | 5 | 1.1 | 1.2 | 5 | 1 | 1 | 1 | Railroad Ave. |
| 0012 | 030 | 0012 | 020 | 5 | 5 | 1.0 | 1.0 | 5 | 1 | 1 | 1 | W. Pyramid Lake Road |
| Subtotal | | | | | | 2.3 | 2.4 | | | | | |
| | | | | | | | | | | | | |

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| Denotes | Tribal Sec | tions with | nin BIA Sys | tem R | outes | (See Trib | al Route lis | t for Mi | leages | 5) | | |
|----------------|-----------------|------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|-----------------------------|
| 2011 In Upo | ventory date | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surface | е Туре | Cons | t. Need | Section Name |
| 0013 | 010 | 0013 | 010 | 5 | 5 | 0.8 | 0.8 | 5 | 5 | 1 | 1 | Border Street |
| 0013 | 020 | 0013 | 020 | 5 | 5 | 0.3 | 0.3 | 5 | 1 | 1 | 1 | James Ranch Road |
| Subtotal | | | | | | 1.1 | 1.1 | | | | | |
| 0031 | 010 | 0031 | 010 | 5 | 5 | 0.4 | 0.3 | 5 | 5 | 1 | 1 | Basin Road |
| 0031 | 020 | 0031 | 020 | 5 | 5 | 0.4 | 0.4 | 5 | 5 | 1 | 1 | Basin Road |
| Subtotal | | | | | | 0.8 | 0.7 | | | | | |
| 0032 | 010 | 0032 | 010 | 5 | 5 | 0.3 | 0.3 | 3 | 3 | 1 | 1 | Cottonwood |
| Subtotal | | | | | | 0.3 | 0.3 | | | | | |
| 0033 | 010 | 0033 | 010 | 5 | 5 | 0.7 | 0.7 | 5 | 5 | 1 | 1 | Unnamed |
| Subtotal | | | | | | 0.7 | 0.7 | | | | | |
| 0034 | 010 | 0034 | 010 | 5 | 5 | 8.4 | 10.0 | 0 | 0 | 4 | 4 | Proposed Road |
| Subtotal | | | | | | 8.4 | 10.0 | | | | | |
| 0035 | 010 | 0035 | 010 | 5 | 5 | 1.6 | 3.0 | 0 | 0 | 4 | 4 | Wadsworth Bypass |
| Subtotal | | | | | | 1.6 | 3.0 | | | | | |
| 0101 | 010 | 0101 | 010 | 3 | 3 | 0.2 | 0.2 | 3 | 1 | 1 | 1 | Cedar Lane |
| 0101 | 020 | 0101 | 020 | 3 | 3 | 0.3 | 0.3 | 5 | 5 | 1 | 1 | Moccasin Lane |
| 0101 | 030 | 0101 | 030 | 3 | 3 | 0.2 | 0.2 | 5 | 5 | 1 | 1 | Unnamed |
| 0101 | 040 | 0101 | 040 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Corral Road |
| 0101 | 050 | 0101 | 050 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Cactus Circle |
| 0101 | 060 | 0101 | 060 | 3 | 3 | 0.3 | 0.3 | 5 | 5 | 1 | 1 | State Circle |
| 0101 | 063 | 101 | 060 | 3 | 3 | 0.3 | 0.2 | 5 | 5 | 1 | 1 | State Street |
| 0101 | 064 | | | 5 | | | | 5 | | 2 | | IHS Clinic Road |
| 0101 | 065 | | | 5 | | | | 1 | | 2 | | IHS Clinic Road |
| 0101 | 066 | | | 3 | | | | 5 | | 2 | | Unnamed road to High School |
| 0101 | 067 | | | 3 | | | | 5 | | 2 | | Unnamed road to High School |
| 0101 | 070 | 0101 | 070 | 5 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Alkali |
| 0101 | 080 | 0101 | 080 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Sage Hen Court |
| 0101 | 090 | 0101 | 090 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Sage Hen Court |
| 0101 | 100 | 0101 | 100 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Church Street |
| 0101 | 105 | | | 3 | | | | 3 | | 2 | | Capitol Hill Road |
| 0101 | 110 | 0101 | 110 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Freemont Church Street |
| 0101 | 120 | 0101 | 120 | 3 | 3 | 0.2 | 0.3 | 5 | 5 | 1 | 1 | Hillside Drive |
| 0101 | 130 | 0101 | 130 | 3 | 3 | 0.2 | 0.2 | 5 | 5 | 1 | 1 | Paiute Street |
| 0101 | 140 | 0101 | 140 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Anaho Circle |
| 0101 | 150 | 0101 | 150 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Wishbone Road |
| 0101 | 155 | 0101 | 150 | 1 | 3 | 0.3 | 0.2 | 5 | 5 | 1 | 1 | Wishbone Road. |
| 0101 | 160 | 0101 | 160 | 3 | 3 | 0.7 | 0.7 | 4 | 5 | 1 | 1 | Arrow Street |
| 0101 | 170 | 0101 | 170 | 3 | 3 | 0.3 | 0.3 | 1 | 5 | 1 | 1 | Winnemucca Street |
| 0101 | 180 | 0101 | 180 | 3 | 3 | 0.4 | 0.3 | 4 | 5 | 1 | 1 | Winnemucca Street |
| Subtotal | | | | | | 4.3 | 4.1 | | | | | |
| | | | | | | | | | | | | |

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| enotes | i iibai 3 e 0 | IIIW GITOII | IIII DIA 3YS | | | | al Route lis | | | | | |
|----------|--------------------------|-------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|--|
| 2011 In | | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surfac | е Туре | Const | . Need | Section Name |
| 0102 | 010 | 0102 | 010 | 3 | 3 | 0.2 | 0.2 | 5 | 5 | 1 | 1 | Rabbit Drive |
| 0102 | 020 | 0102 | 020 | 3 | 3 | 0.4 | 0.4 | 5 | 5 | 1 | 1 | Rabbit Circle |
| 0102 | 023 | | | 3 | | | | 5 | | 2 | | Antelope Circle |
| 0102 | 025 | | | 3 | | | | 0 | | 4 | | Proposed Extension to 5th Street |
| 0102 | 030 | 0102 | 030 | 3 | 3 | 0.4 | 0.3 | 5 | 5 | 1 | 1 | 4th Street |
| 0102 | 035 | 0102 | 035 | 3 | 3 | 0.5 | 0.5 | | | 4 | 4 | Proposed 4th Street extension |
| 0102 | 040 | 0102 | 040 | 3 | 3 | 0.3 | 0.4 | 5 | 5 | 1 | 1 | 5th Street |
| 0102 | 043 | | | 3 | | | | 5 | | 2 | | Owl Circle |
| 0102 | 045 | | | 3 | | | | 5 | | 2 | | Fifth Street |
| 0102 | 047 | | | 3 | | | | 5 | | 2 | | Short Street |
| 0102 | 049 | | | 3 | | | | 5 | | 2 | | Coyote Street |
| 0102 | 050 | 0102 | 050 | 3 | 3 | 0.3 | 0.4 | 5 | 5 | 1 | 1 | Jackson Street |
| 0102 | 060 | 0102 | 060 | 3 | 3 | 0.2 | 0.2 | 5 | 5 | 1 | 1 | 8th Street |
| 0102 | 065 | | | 3 | | | | 5 | | 2 | | Unnamed road connecting Rabbit and Jackson/8th |
| 0102 | 070 | 0102 | 070 | 3 | 3 | 0.2 | 0.1 | 5 | 5 | 1 | 1 | 8th Street |
| 0102 | 073 | | | 3 | | | | 5 | | 2 | | Numa |
| 0102 | 075 | | | 3 | | | | 5 | | 2 | | Brady Street |
| 0102 | 077 | | | 3 | | | | 5 | | 2 | | Brady Street |
| 0102 | 080 | 0102 | 080 | 3 | 3 | 0.5 | 0.5 | 5 | 5 | 1 | 1 | Railroad Circle |
| 0102 | 085 | | | 5 | | | | 5 | | 2 | | Sagebrush Street |
| 0102 | 086 | | | 3 | | | | 5 | | 2 | | Sagebrush Street |
| 0102 | 087 | | | 5 | | | | 5 | | 2 | | Tumbleweed St. |
| 0102 | 090 | 0102 | 090 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | 6th Street |
| 0102 | 100 | 0102 | 100 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Pyramid Street |
| 0102 | 110 | 0102 | 110 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | 8th Street West |
| 0102 | 120 | 0102 | 120 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | 9th Street |
| 0102 | 125 | | | 3 | | | | 5 | | 2 | | Gregory Street |
| | | 0102 | 130 | | 3 | | 0.7 | | 5 | | 1 | Railroad Circle (County Rd) |
| | | 0102 | 140 | | 3 | | 0.2 | | 5 | | 1 | Ackley Ave. (County Rd) |
| | | 0102 | 150 | | 3 | | 0.2 | | 5 | | 1 | School Street (County Rd) |
| | | 0102 | 160 | | 3 | | 0.3 | | 5 | | 1 | Virginia Street (County Rd) |
| | | 0102 | 170 | | 3 | | 0.2 | | 5 | | 1 | Railroad Ave (County Rd) |
| Subtotal | | | | | | 3.4 | 5.0 | | | | | |
| 0103 | 010 | 0103 | 010 | 3 | 3 | 0.4 | 0.3 | 4 | 5 | 1 | 1 | Desert Flower Way |
| 0103 | 015 | | | 5 | | | | 3 | | 2 | | Unnamed Road |
| 0103 | 020 | 0103 | 020 | 3 | 3 | 0.3 | 0.3 | 4 | 5 | 1 | 1 | Tufa Rock Road |
| 0103 | 030 | 0103 | 030 | 3 | 3 | 0.1 | 0.1 | 4 | 5 | 1 | 1 | Dewey Way |
| 0103 | 040 | 0103 | 040 | 3 | 3 | 0.1 | 0.1 | 4 | 5 | 1 | 1 | Jigger Bob Way |
| 0103 | 050 | 0103 | 050 | 3 | 3 | 0.2 | 0.1 | 3 | 5 | 1 | 1 | Jigger Bob Way |
| ubtotal | | | | | | 1.1 | 0.9 | | | | | |
| 0201 | 010 | 0201 | 010 | 5 | 5 | 1.1 | 1.2 | 5 | 5 | 1 | 1 | Sutcliffe Drive |
| 0201 | 015 | | | 3 | | | | 3 | | 2 | | Kennedy Dr. |
| 0201 | 017 | | | 3 | | | | 3 | | 2 | | Unnamed |

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| | ventory date | Existin Inve | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|----------|-----------------|-----------------|---------------------|---------------------|--------------------|---------------------|-----------------|---------------------|--------------------|---------------------|--------------------|---|
| Route | Section | Route | Section | | ass | Le | ngth | Surface | e Type | | . Need | Section Name |
| 0201 | 018 | | | 5 | | | | 5 | | 2 | | Unnamed |
| 0201 | 019 | | | 5 | | | | 3 | | 1 | | Unnamed |
| 0201 | 020 | 0201 | 020 | 5 | 5 | 0.2 | 0.2 | 5 | 5 | 1 | 1 | Marina Road |
| 0201 | 025 | | | 5 | | | | 1 | | 2 | | Boat Ramp from Marina Rd. |
| 0201 | 030 | | | 5 | | | | 5 | | 2 | | Lakeview Dr. |
| 0201 | 032 | | | 5 | | | | 5 | | 2 | | Unnamed |
| 0201 | 034 | | | 5 | | | | 3 | | 2 | | Unnamed |
| 0201 | 040 | | | 5 | | | | 3 | | 2 | | Sutcliffe Loop Road |
| 0201 | 050 | | | 5 | | | | 3 | | 2 | | Unnamed |
| Subtotal | | | | 1 | l | 1.3 | 1.4 | | | | | |
| | | 0202 | 010 | | 5 | | 0.5 | _ | 1 | | 1 | Delete |
| 0202 | 010 | | | 5 | | _ | | 3 | | 1 | | South Nets Rd. |
| 0202 | 020 | 0202 | 020 | 5 | 5 | 0.2 | 0.4 | 5 | 5 | 1 | 1 | Hardscrapple Rd. |
| 0202 | 030 | 0202 | 030 | 5 | 5 | 0.5 | 0.1 | 4 | 4 | 1 | 1 | Unnamed (Road to Dave Koch Cuitti Hatchery) |
| Subtotal | | | | | | 0.7 | 1.0 | | | | | |
| 0204 | 010 | 0204 | 010 | 5 | 5 | 0.3 | 0.3 | | 1 | | 1 | Albert's Road |
| Subtotal | | | | • | | 0.3 | 0.3 | | | | | |
| 0205 | 010 | 0205 | 010 | 5 | 5 | 0.4 | 0.3 | 3 | 1 | 1 | 1 | Pelican Point |
| 0205 | 020 | | | 5 | | | | 3 | | 2 | | Windless Bay |
| 0205 | 030 | | | 5 | | | | 1 | | 2 | | Shotdog Beach Road |
| Subtotal | | | | | | 0.4 | 0.3 | | | | | |
| 0310 | 005 | | | 3 | | | | 4 | | 1 | | Palomino Road |
| 0310 | 010 | 0310 | 010 | 3 | 3 | 0.1 | 0.1 | 4 | 5 | 1 | 1 | Palomino Road |
| 0310 | 020 | 0310 | 020 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Buckskin Road |
| 0310 | 030 | 0310 | 030 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Tule Street |
| 0310 | 040 | | | 3 | | | | 5 | | 1 | | Tule St. |
| 0310 | 050 | | | 3 | | | | 5 | | 1 | | Buckskin |
| Subtotal | | | | | | 0.3 | 0.3 | | | | | |
| | | Total I | BIA Syster | n | | 145.1 | 152.0 | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal | | | | | | 0.0 | | | | | | |
| | | To Be A | Added to E | BIA Sy | stem | 0.0 | | | | | | |
| | | 0004 | 020 | | 5 | | 3.5 | | 3 | | 1 | DELETE |
| | | 0102 | 130 | | 3 | | 0.7 | | 5 | | 1 | Reservation Road |
| | | 0102 | 140 | | 3 | | 0.2 | | 5 | | 1 | Ackley Ave. |
| | | 0102 | 150 | | 3 | | 0.2 | | 5 | | 1 | School Street |
| | | 0102 | 160 | | 3 | | 0.3 | | 5 | | 1 | Virginia Street |
| | | 0102 | 170 | | 3 | | 0.2 | | 5 | | 1 | Railroad Ave. |
| | | 0202 | 010 | | 5 | | 0.5 | | 1 | | 1 | Delete |
| Subtotal | | | | | | | 5.6 | | | | | |

To Be Deleted from BIA System

5.6

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| 2011 ln | ventory date | Existir | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|----------|-----------------|---------|---------------------|---------------------|--------------------|---------------------|-----------------|---------------------|--------------------|---------------------|--------------------|---|
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surfac | е Туре | Cons | t. Need | Section Name |
| 0003 | 010 | 0003 | 010 | 5 | 5 | | -0.1 | 5 | 5 | 1 | 1 | Hill Ranch Road |
| 0003 | 020 | 0003 | 020 | 5 | 5 | | -0.5 | 5 | 5 | 1 | 1 | |
| 0003 | 030 | 0003 | 030 | 5 | 5 | | 0.7 | 5 | 5 | 1 | 1 | Little Nixon Road |
| 0005 | 010 | 0005 | 010 | 5 | 5 | | -0.9 | 1 | 1 | 1 | 1 | Unnamed |
| 0005 | 020 | 0005 | 020 | 5 | 5 | | 1.0 | 1 | 1 | 1 | 1 | Unnamed |
| 0005 | 025 | 0005 | 020 | 5 | 5 | | 0.1 | 1 | 1 | 1 | 1 | Unnamed |
| 0007 | 010 | 0007 | 010 | 5 | 5 | | -1.4 | 3 | 3 | 1 | 1 | Unnamed |
| 0010 | 010 | 0010 | 010 | 5 | 5 | | 2.2 | 1 | 9 | 1 | 1 | Fox Springs Road |
| 0012 | 020 | 0012 | 020 | 5 | 5 | | -0.1 | 5 | 1 | 1 | 1 | Railroad Ave. |
| 0031 | 010 | 0031 | 010 | 5 | 5 | | 0.1 | 5 | 5 | 1 | 1 | Basin Road |
| 0034 | 010 | 0034 | 010 | 5 | 5 | | -1.6 | 0 | 0 | 4 | 4 | Proposed Road |
| 0035 | 010 | 0035 | 010 | 5 | 5 | | -1.4 | 0 | 0 | 4 | 4 | Wadsworth Bypass |
| 0101 | 063 | 0101 | 060 | 3 | 3 | | 0.1 | 5 | 5 | 1 | 1 | State Street |
| 0101 | 120 | 0101 | 120 | 3 | 3 | | -0.1 | 5 | 5 | 1 | 1 | Hillside Drive |
| 0101 | 155 | 0101 | 150 | 1 | 3 | | 0.1 | 5 | 5 | 1 | 1 | Wishbone Road. |
| 0101 | 180 | 0101 | 180 | 3 | 3 | | 0.1 | 4 | 5 | 1 | 1 | Winnemucca Street |
| 0102 | 030 | 0102 | 030 | 3 | 3 | | 0.1 | 5 | 5 | 1 | 1 | 4th Street |
| 0102 | 040 | 0102 | 040 | 3 | 3 | | -0.1 | 5 | 5 | 1 | 1 | 5th Street |
| 0102 | 050 | 0102 | 050 | 3 | 3 | | -0.1 | 5 | 5 | 1 | 1 | Jackson Street |
| 0102 | 070 | 0102 | 070 | 3 | 3 | | 0.1 | 5 | 5 | 1 | 1 | 8th Street |
| 0103 | 010 | 0103 | 010 | 3 | 3 | | 0.1 | 4 | 5 | 1 | 1 | Desert Flower Way |
| 0103 | 050 | 0103 | 050 | 3 | 3 | | 0.1 | 3 | 5 | 1 | 1 | Jigger Bob Way |
| 0201 | 010 | 0201 | 010 | 5 | 5 | | -0.1 | 5 | 5 | 1 | 1 | Sutcliffe Drive |
| 0202 | 020 | 0202 | 020 | 5 | 5 | | -0.2 | 5 | 5 | 1 | 1 | Hardscrapple Rd. |
| 0202 | 030 | 0202 | 030 | 5 | 5 | | 0.4 | 4 | 4 | 1 | 1 | Unnamed (Road to Dave Koch Cuitti Hatchery) |
| 0205 | 010 | 0205 | 010 | 5 | 5 | | 0.1 | 3 | 1 | 1 | 1 | Pelican Point |
| Subtotal | | | | | | | -1.3 | | | | | |

BIA System Mileage Corrections

-1.3

| | 1 | ı | | | 1 | | | 1 | |
|----------|-----|---|-----|-----|-----|---|---|---|-------------------------------|
| 0021 | 010 | | 5 | 1.5 | | | | | Warrior Point Rd. |
| Subtotal | | | | 1.5 | 0.0 | | | | |
| 0022 | 010 | | 5 | 0.1 | | 1 | 2 | | Nine-mile Bay Beach Rd |
| Subtotal | | | | 0.1 | 0.0 | | | | |
| 0023 | 010 | | 5 | 0.8 | | 1 | 2 | | The Willows Beach Rd |
| Subtotal | | | | 0.8 | 0.0 | | | | |
| 0024 | 010 | | 5 | 0.6 | | 1 | 2 | | Wizard Cove Beach Rd. |
| Subtotal | | | | 0.6 | 0.0 | | | | |
| 0025 | 010 | | 5 | 0.1 | | 1 | 2 | | Washington Rock ScenicTurnout |
| Subtotal | | | | 0.1 | 0.0 | | | | |
| 0008 | 030 | | 5 | 1.4 | | 1 | 2 | | Unnamed |
| 8000 | 040 | | 5 | 1.3 | | 1 | 2 | | Unnamed |
| Subtotal | | | 2.7 | | | | | | |

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| Denotes 7 | Tribal Sec | tions with | nin BIA Sys | tem R | outes | (See Trib | al Route lis | t for Mi | leages |) | | |
|-----------|-----------------|------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|--|
| | ventory date | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surface | е Туре | Const | . Need | Section Name |
| 0014 | 010 | | | 5 | | 8.0 | | 4 | | 2 | | Ranch Road |
| 0014 | 020 | | | 5 | | 0.2 | | 1 | | 2 | | Ranch Road |
| Subtotal | | | | | | 1.0 | | | | | | |
| 0040 | 010 | | | 5 | | 0.6 | | 3 | | 2 | | Marble Bluff Dam Rd. |
| Subtotal | | | | | | 0.6 | | | | | | |
| 0041 | 010 | | | 5 | | 2.7 | | 3 | | 2 | | Howard Bay Rd. |
| 0041 | 020 | | | 5 | | 0.2 | | 8 | | 2 | | Howard Bay Rd. |
| Subtotal | | | | | | 2.9 | | | | | | |
| 0060 | 010 | | | 5 | | 3.2 | | 1 | | 2 | | |
| 0060 | 020 | | | 5 | | 0.3 | | 1 | | 2 | | |
| Subtotal | | | | | | 3.5 | | | | | | |
| 0061 | 010 | | | 5 | | 5.0 | | 1 | | 2 | | |
| 0061 | 020 | | | 8 | | 0.5 | | 1 | | 2 | | |
| Subtotal | | | | | | 5.5 | | | | | | |
| 0101 | 064 | | | 5 | | 0.1 | | 5 | | 2 | | IHS Clinic Road |
| 0101 | 065 | | | 5 | | 0.1 | | 1 | | 2 | | IHS Clinic Road |
| 0101 | 066 | | | 3 | | 0.3 | | 5 | | 2 | | Unnamed road to High School |
| 0101 | 067 | | | 3 | | 0.3 | | 5 | | 2 | | Unnamed road to High School |
| 0101 | 105 | | | 3 | | 0.2 | | 3 | | 2 | | Capitol Hill Road |
| Subtotal | | | | | | 1.0 | | | | | | |
| 0102 | 023 | | | 3 | | 0.1 | | 5 | | 2 | | Antelope Circle |
| 0102 | 025 | | | 3 | | 0.6 | | | | 4 | | Proposed Extension to 5th Street |
| 0102 | 043 | | | 3 | | 0.1 | | 5 | | 2 | | Owl Circle |
| 0102 | 045 | | | 3 | | 0.3 | | 5 | | 2 | | Fifth Street |
| 0102 | 047 | | | 3 | | 0.1 | | 5 | | 2 | | Short Street |
| 0102 | 049 | | | 3 | | 0.1 | | 5 | | 2 | | Coyote Street |
| 0102 | 065 | | | 3 | | 0.1 | | 5 | | 2 | | Unnamed road connecting Rabbit and Jackson/8th |
| 0102 | 073 | | | 3 | | 0.1 | | 5 | | 2 | | Numa |
| 0102 | 075 | | | 3 | | 0.1 | | 5 | | 2 | | Brady Street |
| 0102 | 077 | | | 3 | | 0.1 | | 5 | | 2 | | Brady Street |
| 0102 | 085 | | | 5 | | 0.4 | | 5 | | 2 | | Sagebrush Street |
| 0102 | 086 | | | 3 | | 0.1 | | 5 | | 2 | | Sagebrush Street |
| 0102 | 087 | | | 5 | | 0.3 | | 5 | | 2 | | Tumbleweed St. |
| 0102 | 125 | | | 3 | | 0.1 | | 5 | | 2 | | Gregory Street |
| Subtotal | | | | | | 2.6 | | | | | | |
| 0103 | 015 | | | 5 | | 0.5 | | 3 | | 2 | | Unnamed Road |
| Subtotal | | | | | | 0.5 | | | | | | |
| 0200 | 010 | | | 5 | | 0.4 | | 3 | | 2 | | Separator Beach |
| 0200 | 020 | | | 5 | | 0.8 | | 1 | | 2 | | Road along Separator Beach |
| 0200 | 030 | | | 5 | | 0.1 | | 1 | | 2 | | Road along Separator Beach |
| Subtotal | | | | | | 1.3 | | | | | | |
| | | | | | | | | | | | | |

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| Denotes | I ribal Sec | tions with | nin BIA Sys | stem R | outes | (See Trib | al Route lis | t for Mi | leages |) | | |
|-----------------|-------------|------------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---|
| 2011 Inv Upd | | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surface | е Туре | Cons | t. Need | Section Name |
| 0201 | 015 | | | 3 | | 0.3 | | 3 | | 2 | | Kennedy Dr. |
| 0201 | 017 | | | 3 | | 0.7 | | 3 | | 2 | | Unnamed |
| 0201 | 018 | | | 5 | | 0.1 | | 5 | | 2 | | Unnamed |
| 0201 | 019 | | | 5 | | 0.2 | | 3 | | 1 | | Unnamed |
| 0201 | 025 | | | 5 | | 0.1 | | 1 | | 2 | | Boat Ramp from Marina Rd. |
| 0201 | 030 | | | 5 | | 0.2 | | 5 | | 2 | | Lakeview Dr. |
| 0201 | 032 | | | 5 | | 0.1 | | 5 | | 1 | | Lakeview Dr. |
| 0201 | 034 | | | 5 | | 0.1 | | 3 | | 2 | | Unnamed |
| 0201 | 040 | | | 5 | | 0.2 | | 3 | | 2 | | Sutcliffe Loop Road |
| 0201 | 050 | | | 5 | | 0.1 | | 3 | | 2 | | Unnamed |
| Subtotal | | | | | | 2.1 | | | | | | |
| 0202 | 010 | | | 5 | | 1.0 | | 3 | | 1 | | South Nets Rd. |
| Subtotal | | | | | | 1.0 | | | | | | |
| 0205 | 020 | | | 5 | | 1.2 | | 1 | | 2 | | Beachfront Rd. connects Pelican to Windless Bay |
| 0205 | 030 | | | 5 | | 0.4 | | 3 | | 2 | | Windless Bay |
| Subtotal | | | | | | 1.6 | | | | | | |
| 0206 | 005 | | | 5 | | 0.1 | | 1 | | 2 | | Access Road off of Wino Beach |
| 0206 | 010 | | | 5 | | 0.2 | | 1 | | 2 | | Wino Beach |
| 0206 | 020 | | | 5 | | 0.6 | | 3 | | 2 | | Indian Head Beach |
| 0206 | 025 | | | 5 | | 2.1 | | 1 | | 2 | | Wino Beach/Indian Head Beach Connetor |
| 0206 | 030 | | | 5 | | 8.0 | | 3 | | 2 | | Tamaracks Beach |
| 0206 | 040 | | | 5 | | 0.3 | | 3 | | 2 | | Tamaracks Beach |
| 0206 | 050 | | | 5 | | 2.9 | | 3 | | 2 | | Washout Beach |
| Subtotal | | | | | | 7.0 | | 1 | 1 | | | |
| 0210 | 010 | | | 5 | | 0.3 | | 1 | | 2 | | Shotdog Beach Road |
| Subtotal | 1 | | 1 | | | 0.3 | | | | | | |
| 0300 | 010 | | | 5 | | 0.2 | | 3 | | 2 | | Access Rd. To TPB Staging Area |
| Subtotal | 1 | | 1 | | | 0.2 | | | | | | |
| 0301 | 010 | | | 5 | | 0.3 | | 3 | | 2 | | Popcorn Rock Beach Rd. |
| Subtotal | | | | | | 0.3 | | | | | | |
| 0302 | 010 | | | 5 | | 0.2 | | 3 | | 2 | | Access Rd. To Blockhouse Fishing Area |
| Subtotal | 1 | | 1 | | | 0.2 | | | | | | |
| 0310 | 005 | | | 3 | | 0.1 | | 4 | | 1 | | Palomino |
| 0310 | 040 | | | 3 | | 0.4 | | 5 | | 1 | | Tule St. |
| 0310 | 050 | | | 3 | | 0.1 | | 5 | | 1 | | Buckskin |
| Subtotal | 1 | | | | | 0.6 | 1 | | 1 | | | |
| 0400 | 010 | | | 5 | | 1.4 | | 3 | | 2 | | Access Rd. to Dago Beach |
| Subtotal | 1 | | ı | | | 1.4 | | | | | | |
| P014 | 010 | | | 9 | | 0.1 | | 5 | | 2 | | Victim Services Program Parking |
| P014 | 020 | | | 9 | | 0.1 | | 5 | | 2 | | Skies Youth Wellness Center Parking |
| Subtotal | | | | | | 0.2 | | | | | | |
| P101 | 010 | | | 9 | | 0.1 | | 5 | | 2 | | Clinic Parking Area |
| P101 | 020 | | | 9 | | 0.1 | | 1 | | 2 | | Day Care Facility Parking Area |
| P101 | 030 | <u></u> | | 1 | | 0.1 | | 1 | | 2 | | Visitor Center Parking |

Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| | ventory date | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|----------|-----------------|-------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---|
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surface | е Туре | Cons | t. Need | Section Name |
| P101 | 040 | | | 9 | | 0.1 | | 4 | | 2 | | Police Station Parking Lot (Nixon) |
| P101 | 050 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for Admin. Bldg. |
| P101 | 060 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for Courthouse |
| P101 | 070 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for Community center |
| Subtotal | | | | 0.7 | | | | | | | | |
| P102 | 010 | | | 9 | | 0.2 | | 5 | | 2 | | Parking lot for Natchez Elem. School |
| P102 | 020 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for Day Care (Wadsworth) |
| P102 | 030 | | | 9 | | 0.1 | | 6 | | 2 | | Post Office Parking Lot |
| Subtotal | | | | | | 0.4 | | | | | | |
| P103 | 010 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for Sutcliff Community Center |
| Subtotal | Subtotal | | | | | 0.1 | | | | | | |
| P300 | 010 | | | 9 | | 0.1 | | 3 | | 2 | | Parking for TPB bicylists |
| Subtotal | ubtotal | | | | | | | | | | | |

Tribal Roads to be Added 40.8

| T100 | 040 | | | 8 | | 1.6 | 1 | 2 | Tahoe Pyramid Bikeway (TPB) |
|------------------|------------|--|--|---|--|------------|---|---|--|
| T100 | 050 060 | | | 8 | | 3.4 1.4 | 3 | 2 | Tahoe Pyramid Bikeway (TPB) Tahoe Pyramid Bikeway (TPB) |
| T100 | 070 | | | 8 | | 2.8 | 1 | 2 | Tahoe Pyramid Bikeway (TPB) |
| T100 Subtotal | | | | | | | 5 | 2 | Tahoe Pyramid Bikeway (TPB) |

Tribal Paths to be Added 14.5

| | | | | | | 1 | | 1 | | | 1 | Г |
|----------|----------|------|-----|---|---|------|-----|---|---|---|---|---|
| 0800 | 803 | | | 1 | | 15.6 | | 5 | | 2 | | Interstate 80 |
| 0800 | 805 | | | 1 | | 0.2 | | 5 | | 2 | | Interstate 80 |
| 0800 | 807 | | | 1 | | 8.5 | | 5 | | 2 | | Interstate 80 |
| 0800 | 810 | 0800 | 810 | 1 | 1 | 0.7 | 0.7 | 5 | 5 | 2 | 2 | Interstate 80 |
| 0800 | 820 | 0800 | 820 | 1 | 1 | | | | | 2 | 2 | Bridge B716 |
| 0800 | 830 | 0800 | 830 | 1 | 1 | 0.4 | 0.4 | 5 | 5 | 2 | 2 | Interstate 80 |
| 0800 | 840 | 0800 | 840 | 1 | 1 | 0.4 | 0.3 | 5 | 5 | 2 | 2 | Interstate 80 |
| 0800 | 850 | | | 1 | | 1.1 | | 5 | | 2 | | Interstate 80 |
| Subtotal | | | | | | 26.9 | 1.4 | | | | | |
| 0427 | 805 | | | 2 | | 0.3 | | 5 | | 2 | | State Hwy 427 - Pyramid Highway |
| 0427 | 810 | 0427 | 810 | 2 | 2 | 0.3 | 0.3 | 5 | 5 | 2 | 2 | State Hwy 427 - Pyramid Highway |
| 0427 | 820 | 0427 | 820 | 2 | 2 | 1.4 | 1.4 | 5 | 5 | 2 | 2 | State Hwy 427 - Pyramid Highway |
| 0427 | 830 | 0427 | 830 | 2 | 2 | | | 6 | | 2 | 2 | Bridge B16 |
| 0427 | 840 | 0427 | 840 | 2 | 2 | 0.6 | 0.6 | 5 | 2 | | 2 | State Hwy 427 - Main Street/Pyramid Highway |
| 0427 | 850 | | | 2 | | 1.0 | | 5 | | 2 | | State Hwy 427 - Pyramid Highway |
| Subtotal | Subtotal | | | | | 3.6 | 2.3 | | | | | |

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| 2011 Inventory Update | | Existing D.O.T. Inventory | | | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|--------------------------|---------|------------------------------|---------|-----|--------------------|---------------------|-----------------|---------------------|--------------------|---------------------|--------------------|------------------|
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surface | е Туре | Cons | t. Need | Section Name |
| 0445 | 805 | | | 2 | | 19.4 | | 5 | | 2 | | State Hwy 445 |
| 0445 | 810 | 0445 | 810 | 2 | 2 | 14.7 | 14.5 | 5 | 5 | 2 | 2 | State Hwy 445 |
| Subtotal | | | | | | 34.1 | 14.5 | | | | | |
| 0446 | 810 | 0446 | 810 | 2 | 2 | 13.1 | 12.8 | 5 | 5 | 2 | 2 | State Hwy 446 |
| Subtotal | | | | | | 13.1 | 12.8 | | | | | |
| 0447 | 810 | 0447 | 810 | 2 | 2 | 15.5 | 15.2 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 820 | 0447 | 820 | 2 | 2 | | | 5 | | 2 | 2 | Bridge B1351 |
| 0447 | 830 | 0447 | 830 | 2 | 2 | 9.2 | 9.0 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 840 | 0447 | 840 | 2 | 2 | 3.3 | 3.2 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 850 | 0447 | 850 | 2 | 2 | 14.3 | 14.1 | 5 | 5 | 2 | 2 | State Hwy 447 |
| Subtotal | | | | | | 42.3 | 41.5 | | | | | |
| 9102 | 810 | | | 3 | | 0.6 | | 5 | | 2 | | Reservation Road |
| 9102 | 820 | | | 3 | | 0.2 | | 5 | | 2 | | Ackley Ave. |
| 9102 | 830 | | | 3 | | 0.2 | | 5 | | 2 | | School Street |
| 9102 | 840 | | | 3 | | 0.3 | | 5 | | 2 | | Virginia Street |
| 9102 | 850 | | | 5 | | 0.5 | | 5 | | 2 | | Lincoln Highway |
| 9102 | 860 | | | 3 | | 0.1 | | 5 | | 2 | | Railroad Ave. |
| 9102 | 870 | | | 3 | | 0.2 | | 5 | | 2 | | Liberty Rd. |
| 9102 | 880 | | | 3 | | 0.1 | | 5 | | 2 | | Park Ave. |
| 9102 | 890 | | | 3 | | 0.2 | | 5 | | 2 | | Herman's Ave. |
| 9102 | 900 | | | 5 | | 0.2 | | 5 | | 2 | | Stampmill Dr. |
| Subtotal | | | | | | 2.6 | | | | | | |

Total (Non-BIA) IRR System 122.6 72.5

| | I I | | | 1 | | |
|----------|-----|---|------|---|---|---------------------------------|
| 0800 | 803 | 1 | 15.6 | 5 | 2 | Interstate 80 |
| 0800 | 805 | 1 | 0.2 | 5 | 2 | Interstate 80 |
| 0800 | 807 | 1 | 8.5 | 5 | 2 | Interstate 80 |
| 0800 | 850 | 1 | 1.1 | 5 | 2 | Interstate 80 |
| 0427 | 805 | 2 | 0.3 | 5 | 2 | State Hwy 427 - Pyramid Highway |
| 0427 | 850 | 2 | 1.0 | 5 | 2 | State Hwy 427 - Pyramid Highway |
| 0445 | 805 | 2 | 19.4 | 5 | 2 | State Hwy 445 |
| 9102 | 810 | 3 | 0.6 | 5 | 2 | Reservation Road |
| 9102 | 820 | 3 | 0.2 | 5 | 2 | Ackley Ave. |
| 9102 | 830 | 3 | 0.2 | 5 | 2 | School Street |
| 9102 | 840 | 3 | 0.3 | 5 | 2 | Virginia Street |
| 9102 | 850 | 5 | 0.5 | 5 | 2 | Lincoln Highway |
| 9102 | 860 | 3 | 0.1 | 5 | 2 | Railroad Ave. |
| 9102 | 870 | 3 | 0.2 | 5 | 2 | Liberty Rd. |
| 9102 | 880 | 3 | 0.1 | 5 | 2 | Park Ave. |
| 9102 | 890 | 3 | 0.2 | 5 | 2 | Herman's Ave. |
| 9102 | 900 | 5 | 0.2 | 5 | 2 | Stampmill Dr. |
| Subtotal | | | 48.7 | | | |

To be Added to (Non-BIA) IRR System

48.7

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Denotes Tribal Sections within BIA System Routes (See Tribal Route list for Mileages)

| 2011 Inventory Update | | Existing D.O.T. Inventory | | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|--------------------------|-----------------------------|------------------------------|-------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|--|
| Route | Route Section Route Section | | Class | | Length | | Surface Type | | Const. Need | | Section Name | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal | Subtotal | | | | | | | | | | | |

To be Deleted from (Non-BIA) IRR System

0.0

| 0800 | 840 | 0080 | 840 | 1 | 1 | 0.1 | 5 | 5 | 2 | 2 | Interstate 80 |
|----------|----------|------|-----|---|---|-----|---|---|---|---|---------------|
| 0445 | 810 | 0445 | 810 | 2 | 2 | 0.2 | 5 | 5 | 2 | 2 | State Hwy 445 |
| 0446 | 810 | 0446 | 810 | 2 | 2 | 0.3 | 5 | 5 | 2 | 2 | State Hwy 446 |
| 0447 | 810 | 0447 | 810 | 2 | 2 | 0.3 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 830 | 0447 | 830 | 2 | 2 | 0.2 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 840 | 0447 | 840 | 2 | 2 | 0.1 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 850 | 0447 | 850 | 2 | 2 | 0.2 | 5 | 5 | 2 | 2 | State Hwy 447 |
| Subtotal | Subtotal | | | | | 1.4 | | | | | |

(Non-BIA) IRR System Mileage Corrections

1.4

SUMMARY OF PROPOSED BIA ROAD SYSTEM MILEAGE REVISIONS

| | Miles |
|--|-------|
| Existing BIA DOT Inventory | 152.0 |
| Roads to be Added to BIA System | 0.0 |
| Roads to be Deleted from BIA System | (5.6) |
| Other Route Mileage Corrections (Net Deletion) | (1.3) |
| Proposed BIA Road System | 145.1 |

SUMMARY OF PROPOSED TRIBAL (IRR) SYSTEM MILEAGE REVISIONS

| | Miles |
|---|-------|
| Existing BIA DOT Inventory | 0.0 |
| Roads to be Added to Tribal System | 40.8 |
| Roads to be Deleted from Tribal System | 0 |
| Tribal Trails to be Added - Tahoe Pyramid Bikeway (TPB) | 14.5 |
| Other Tribal Route Mileage Corrections (Net Deletion) | 0.0 |
| Proposed Non-BIA (IRR) System | 55.3 |

SUMMARY OF PROPOSED NON BIA (IRR) SYSTEM MILEAGE REVISIONS

| | Miles |
|--|-------|
| Existing Non-BIA Inventory | 72.5 |
| Roads to be Added to non-BIA IRR System | 48.7 |
| Roads to be Deleted from non-BIA IRR System | 0.0 |
| Other Route Mileage Corrections (Net Deletion) | 1.4 |
| Proposed Non-BIA (IRR) System | 122.6 |

TOTAL IRR SYSTEM 323.0

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| Route Section Route Section Class Class Length Surface Pyre Const. Need Section Name Const. Need Subtotal | |
|--|----------|
| Subtotal | |
| 0003 | d. |
| 0003 | |
| Subtotal | |
| Subtotal | |
| 0004 | |
| No. | |
| No. | ad |
| Subtotal | |
| 0005 | |
| Note Substitute | |
| Subtotal | |
| 0006 | |
| 0006 | |
| 0006 | <u> </u> |
| 0006 | |
| Subtotal | au |
| Note Column Col | |
| Subtotal | |
| 0008 010 0008 010 5 5 2.7 2.7 3 1 1 1 Unnamed 0008 020 0008 020 5 5 10.5 17.1 Sheep Pass Road 0009 030 0009 030 5 5 2.2 2.2 9 1 1 1 Sheep Pass Road Subtotal 16.1 16.1 16.1 1 1 1 1 7 Fox Springs Road Subtotal 6.4 4.2 1 9 1 1 <td></td> | |
| Note Continue | |
| Subtotal | |
| 0009 | |
| 0009 | |
| Note Continue | |
| Subtotal | |
| O010 | |
| Subtotal | |
| O011 | |
| Subtotal | |
| 0012 010 0012 010 5 5 1.4 1.4 3 5 1 1 Railroad Ave. 0012 020 0012 020 5 5 1.1 1.0 5 1 1 1 Railroad Ave. Subtotal 2.5 2.4 Use of the colspan="8">Use of the colspan="8">U | ı |
| 0012 020 0012 020 5 5 1.1 1.0 5 1 2 2 2 2 2 3 3 3 5 5 | |
| Subtotal 2.5 2.4 Border Street 0013 010 0013 010 5 5 0.8 0.8 5 5 1 1 Border Street 0013 020 0013 020 5 5 0.3 0.3 5 1 1 1 James Ranch Road Subtotal 1.1 1.1 1.1 1.1 1 Basin Road Subtotal 0.8 0.7 0.8 0.7 0.8 0.7 0032 010 0032 010 5 5 0.3 0.3 3 3 1 1 Cottonwood Subtotal 0.3 </td <td></td> | |
| 0013 010 0013 010 5 5 0.8 0.8 5 5 1 1 Border Street 0013 020 0013 020 5 5 0.3 0.3 5 1 2 1 | |
| 0013 020 0013 020 5 5 0.3 0.3 5 1 2 2 2 2 2 2 2 3 2 3 3 3 3 1 1 1 2 3 | |
| Subtotal | |
| 0031 010 0031 010 5 5 0.4 0.3 5 5 1 1 Basin Road 0031 020 0031 020 5 5 0.4 0.4 5 5 1 1 Basin Road Subtotal 0.8 0.7 0.3 0.3 3 3 1 1 Cottonwood Subtotal 0.3 0.3 0.3 0.3 0.3 0.3 0.7 0.7 5 5 1 1 Unnamed Subtotal 0.7 | t t |
| 0031 020 0031 020 5 5 0.4 0.4 5 5 1 1 Basin Road Subtotal 0.8 0.7 0.3 0.3 3 3 1 1 Cottonwood Subtotal 0.3 0.0 0.3 0.0 0.0 0.0 0.0 | |
| 0031 020 0031 020 5 5 0.4 0.4 5 5 1 1 Basin Road Subtotal 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.8 0.7 0.8 <td></td> | |
| Subtotal | |
| 0032 010 0032 010 5 5 0.3 0.3 3 1 1 Cottonwood Subtotal 0.3 0.3 0.3 0.3 0.3 0.7 0.7 5 5 1 1 Unnamed Subtotal 0.7 0.7 0.7 0.7 0.7 0.7 4 Proposed Rose | |
| Subtotal 0.3 0. | |
| 0033 010 0033 010 5 5 0.7 0.7 5 5 1 1 Unnamed Subtotal 0.7 0.7 0.7 0.7 0.7 0.7 4 Proposed Roa | |
| Subtotal 0.7 0.7 0034 010 0034 010 5 5 8.4 10.0 4 Proposed Roa | |
| 0034 010 0034 010 5 5 8.4 10.0 4 Proposed Roa | |
| | ad |
| Subtotal 8.4 10.0 | au . |
| 0035 010 0035 010 5 5 1.6 3.0 4 4 4 Wadsworth Byp | 200 |
| | ass |
| Subtotal 1.6 3.0 Coder Leve | |
| 0101 010 0101 010 3 3 0.2 0.2 3 1 1 1 Cedar Lane | |
| 0101 020 0101 020 3 3 0.3 0.3 5 5 1 1 Moccasin Lan | IE |
| 0101 030 0101 030 3 3 0.2 0.2 5 5 1 1 Unnamed | |
| 0101 040 0101 040 3 3 0.1 0.1 5 5 1 1 Corral Road | |
| 0101 050 0101 050 3 3 0.1 0.1 5 5 1 1 Cactus Circle | |
| 0101 060 0101 060 3 3 0.3 0.5 5 5 1 1 State Circle | |
| 0101 070 0101 070 5 3 0.1 0.1 5 5 1 1 1 Alkali | |
| 0101 080 0101 080 3 3 0.1 0.1 5 5 1 1 Sage Hen Cou | urt |
| 0101 090 0101 090 3 3 0.1 0.1 5 5 1 1 Sage Hen Cou | urt |
| 0101 100 0101 100 3 3 0.1 0.1 5 5 1 1 Church Stree | et |
| 0101 110 0101 110 3 3 0.1 0.1 5 5 1 1 Freemont Church | Street |
| 0101 120 0101 120 3 3 0.2 0.3 5 5 1 1 Hillside Drive | Э |
| 0101 130 0101 130 3 3 0.2 0.2 5 5 1 1 Paiute Stree | t |

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| Inventory | / Update | | g D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|-----------|----------|-------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|-----------------------------------|
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surfac | е Туре | Cons | t. Need | Section Name |
| 0101 | 130 | 0101 | 140 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Anaho Circle |
| 0101 | 150 | 0101 | 150 | 3 | 3 | 0.3 | 0.3 | 5 | 5 | 1 | 1 | Wishbone Road |
| 0101 | 160 | 0101 | 160 | 3 | 3 | 0.7 | 0.7 | 4 | 5 | 1 | 1 | Arrow Street |
| 0101 | 170 | 0101 | 170 | 3 | 3 | 0.3 | 0.3 | 1 | 5 | 1 | 1 | Winnemucca Street |
| 0101 | 180 | 0101 | 180 | 3 | 3 | 0.4 | 0.3 | 4 | 5 | 1 | 1 | Winnemucca Street |
| Subtotal | Subtotal | | | | | 3.9 | 3.9 | | | | | |
| 0102 | 010 | 0102 | 010 | 3 | 3 | 0.2 | 0.2 | 5 | 5 | 1 | 1 | Rabbit Drive |
| 0102 | 020 | 0102 | 020 | 3 | 3 | 0.4 | 0.4 | 5 | 5 | 1 | 1 | Rabbit Circle |
| 0102 | 030 | 0102 | 030 | 3 | 3 | 0.4 | 0.3 | 5 | 5 | 1 | 1 | 4th Street |
| 0102 | 035 | 0102 | 035 | 3 | 3 | 0.5 | 0.5 | | | 4 | 4 | Proposed 4th Street extension |
| 0102 | 040 | 0102 | 040 | 3 | 3 | 0.3 | 0.4 | 5 | 5 | 1 | 1 | 5th Street |
| 0102 | 050 | 0102 | 050 | 3 | 3 | 0.3 | 0.4 | 5 | 5 | 1 | 1 | Jackson Street |
| 0102 | 060 | 0102 | 060 | 3 | 3 | 0.2 | 0.2 | 5 | 5 | 1 | 1 | 8th Street |
| 0102 | 070 | 0102 | 070 | 3 | 3 | 0.2 | 0.1 | 5 | 5 | 1 | 1 | 8th Street |
| 0102 | 080 | 0102 | 080 | 3 | 3 | 0.5 | 0.5 | 5 | 5 | 1 | 1 | Railroad Circle |
| 0102 | 090 | 0102 | 090 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | 6th Street |
| 0102 | 100 | 0102 | 100 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Pyramid Street |
| 0102 | 110 | 0102 | 110 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | 8th Street West |
| 0102 | 120 | 0102 | 120 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | 9th Street |
| | | 0102 | 130 | | 3 | | 0.7 | | 5 | | 1 | Reservation Road |
| | | 0102 | 140 | | 3 | | 0.2 | | 5 | | 1 | Ackley Ave. |
| | | 0102 | 150 | | 3 | | 0.2 | | 5 | | 1 | School Street |
| | | 0102 | 160 | | 3 | | 0.3 | | 5 | | 1 | Virginia Street |
| | | 0102 | 170 | | 3 | | 0.2 | | 5 | | 1 | Railroad Ave. |
| Subtotal | | | | | | 3.4 | 5.0 | | | | | |
| 0103 | 010 | 0103 | 010 | 3 | 3 | 0.4 | 0.3 | 4 | 5 | 1 | 1 | Desert Flower Way |
| 0103 | 020 | 0103 | 020 | 3 | 3 | 0.3 | 0.3 | 4 | 5 | 1 | 1 | Tufa Rock Road |
| 0103 | 030 | 0103 | 030 | 3 | 3 | 0.1 | 0.1 | 4 | 5 | 1 | 1 | Dewey Way |
| 0103 | 040 | 0103 | 040 | 3 | 3 | 0.1 | 0.1 | 4 | 5 | 1 | 1 | Jigger Bob Way |
| 0103 | 050 | 0103 | 050 | 3 | 3 | 0.2 | 0.1 | 3 | 5 | 1 | 1 | Jigger Bob Way |
| Subtotal | | 0.00 | | - | Ū | 1.1 | 0.9 | | J | | | |
| 0201 | 010 | 0201 | 010 | 5 | 5 | 1.1 | 1.2 | 5 | 5 | 1 | 1 | Sutcliffe Drive |
| 0201 | 020 | 0201 | 020 | 5 | 5 | 0.2 | 0.2 | 5 | 5 | 1 | 1 | Marina Road |
| Subtotal | | | | | | 1.3 | 1.4 | | | | | |
| 0202 | 010 | 0202 | 010 | 5 | 5 | 1.0 | 0.5 | 3 | 1 | 1 | 1 | South Nets Rd. |
| 0202 | 020 | 0202 | 020 | 5 | 5 | 0.5 | 0.4 | 5 | 5 | 1 | 1 | Hardscrapple Rd. |
| | | | | Ť | | | | Ť | Ť | İ | | Unnamed (Road to Dave Koch Cuitti |
| 0202 | 030 | 0202 | 030 | 5 | 5 | 0.5 | 0.1 | 4 | 4 | 1 | 1 | ` Hatchery) |
| Subtotal | | | | | | 2.0 | 1.0 | | | | | |
| 0204 | 010 | 0204 | 010 | 5 | 5 | 0.3 | 0.3 | | 1 | | 1 | Albert's Road |
| Subtotal | | | | | | 0.3 | 0.3 | | | | | |
| 0205 | 010 | 0205 | 010 | 5 | 5 | 0.4 | 0.3 | 3 | 1 | 1 | 1 | Pelican Point |
| Subtotal | | | | | | 0.4 | 0.3 | | | | | |
| 0310 | 010 | 0310 | 010 | 3 | 3 | 0.1 | 0.1 | 4 | 5 | 1 | 1 | Palomino Road |
| 0310 | 020 | 0310 | 020 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Buckskin Road |
| 0040 | 030 | 0310 | 030 | 3 | 3 | 0.1 | 0.1 | 5 | 5 | 1 | 1 | Tule Street |
| 0310 | | | | | | | | | | | | |

Total BIA System 126.2 151.8

Subtotal 0.0

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| Inventory | y Update | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|------------------|------------|-----------|---------------------|---------------------|--------------------|---------------------|---------------------------|---------------------|--------------------|---------------------|--------------------|--|
| Route | Section | Route | Section | Cli | ass | Le | ngth | Surface | e Type | Cons | t. Need | Section Name |
| | | To Be / | Added to I | BIA Sy | stem | 0.0 | | | ı | | 1 | |
| | | 0102 | 130 | | 3 | | 0.7 | | 5 | | 1 | Reservation Road |
| | | 0102 | 140 | | 3 | | 0.2 | | 5 | | 1 | Ackley Ave. |
| | | 0102 | 150 | | 3 | | 0.2 | | 5 | | 1 | School Street |
| | | 0102 | 160 | | 3 | | 0.3 | | 5 | | 1 | Virginia Street |
| | <u> </u> | 0102 | 170 | <u> </u> | 3 | | 0.2 | | 5 | | 1 | Railroad Ave. |
| Subtotal | То Ве | e Deleted | d from BIA | Syste | em | | 1.6 1.6 | | | | | |
| 0002 | 010 | 0002 | 010 | 4 | 4 | | -3.6 | 1 | 3 | 1 | 1 | Nine Mile Beach Road |
| 0003 | 010 | 0003 | 010 | 5 | 5 | | -0.1 | 5 | 5 | 1 | 1 | Hill Ranch Road |
| 0003 | 020 | 0003 | 020 | 5 | 5 | | 0.1 | 5 | 5 | 1 | 1 | |
| 0003 | 030 | 0003 | 030 | 5 | 5 | | -0.7 | 5 | 5 | 1 | 1 | Little Nixon Road |
| 0005 | 010 | 0005 | 010 | 5 | 5 | | -0.9 | 1 | 1 | 1 | 1 | Unnamed |
| 0005 | 020 | 0005 | 020 | 5 | 5 | | -11.4 | 1 | 1 | 1 | 1 | Unnamed |
| 0007 | 010 | 0007 | 010 | 5 | 5 | | -1.4 | 3 | 3 | . 1 | 1 | Unnamed |
| 0008 | 020 | 0008 | 020 | 5 | 5 | | -6.6 | 1 | 1 | 1 | 1 | Unnamed |
| 0010 | 010 | 0010 | 010 | 5 | 5 | | 2.2 | 1 | 9 | 1 | 1 | Fox Springs Road |
| 0012 | 020 010 | 0010 | 020 010 | 5 5 | 5 5 | | 0.1 | 5 5 | 5 | 1 | 1 | Basin Road |
| 0031 | 010 | 0031 | 010 | 5 | 5 | | -1.6 | 5 | 5 | 4 | 4 | Proposed Road |
| 0034 | 010 | 0034 | 010 | 5 | 5 | | -1.4 | | | 4 | 4 | Wadsworth Bypass |
| 0101 | 060 | 0101 | 060 | 3 | 3 | | -0.2 | 5 | 5 | 1 | 1 | State Circle |
| 0101 | 120 | 0101 | 120 | 3 | 3 | | -0.1 | 5 | 5 | 1 | 1 | Hillside Drive |
| 0101 | 180 | 0101 | 180 | 3 | 3 | | 0.1 | 4 | 5 | 1 | 1 | Winnemucca Street |
| 0102 | 030 | 0102 | 030 | 3 | 3 | | 0.1 | 5 | 5 | 1 | 1 | 4th Street |
| 0102 | 040 | 0102 | 040 | 3 | 3 | | -0.1 | 5 | 5 | 1 | 1 | 5th Street |
| 0102 | 050 | 0102 | 050 | 3 | 3 | | -0.1 | 5 | 5 | 1 | 1 | Jackson Street |
| 0102 | 070 | 0102 | 070 | 3 | 3 | | 0.1 | 5 | 5 | 1 | 1 | 8th Street |
| 0103 | 010 | 0103 | 010 | 3 | 3 | | 0.1 | 4 | 5 | 1 | 1 | Desert Flower Way |
| 0103 | 050 | 0103 | 050 | 3 | 3 | | 0.1 | 3 | 5 | 1 | 1 | Jigger Bob Way |
| 0201 | 010 | 0201 | 010 | 5 | 5 | | -0.1 | 5 | 5 | 1 | 1 | Sutcliffe Drive |
| 0202 | 010 | 0202 | 010 | 5 | 5 | | 0.5 | 3 | 1 | 1 | 1 | South Nets |
| 0202 | 020 | 0202 | 020 | 5 | 5 | | 0.1 | 5 | 5 | 1 | 1 | Hardscrapple Rd. |
| 0202 | 030 | 0202 | 030 | 5 | 5 | | 0.4 | 4 | 4 | 1 | 1 | Unnamed (Road to Hatchery) |
| 0205 | 010 | 0205 | 010 | 5 | 5 | | 0.1 | 3 | 1 | 1 | 1 | Pelican Point |
| Subtotal | BIA S | ystem M | lileage Co | rrectio | ons | | -24.2 -24.2 | | | | | |
| P006 | 033 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for Admin. Bldg. |
| P006 | 034 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for courthouse |
| P006 | 037 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for community center |
| P006 | | | | 9 | | 0.1 | | 4 | | 2 | | Police Station Parking Lot (Nixon) |
| Subtotal | | | | | | 0.4 | | | | | | |
| 0002 | 003 | | | 5 | | 1.4 | | 1 | | 2 | | Warrior Point |
| 0002 | 005 | | | 2 | | 0.1 | | 3 | | 2 | | Unnamed |
| 0002 | 020 | | | 2 | | 4.1 | | 3 | | 2 | | Unnamed |
| 0002 | 040 | | | 5 | | 8.0 | | 1 | | 2 | | The Willows |
| 0002 | 050 | | | 5 | | 0.6 | | 1 | | 2 | | Beach Access Road |
| 0002 | 060 | | <u> </u> | 5 | | 0.1 | | 1 | | 2 | | Washington Rock/Scenic Outlook |
| 0002 | 035 | | | 5 | 1 | 7.1 | | E | | 4 | | Little Mives Dd |
| 0003 Subtotal | UJO | | | _ 5 | | 0.8 | | 5 | | 1 | | Little Nixon Rd. |
| 0004 | 040 | | | 5 | | 0.6 | | 5 | | 2 | | Marble Bluff Dam Rd. |
| 0004 | 050 | | | 5 | | 2.7 | | 3 | | 2 | | Fisheries/Main Road Leading to Howard Ba |
| 0004 | 055 | | | 5 | | 0.2 | | 1 | | 2 | | Fisheries/Main Road Leading to Howard Bar |
| Subtotal | 300 | | | | | 3.5 | | | | _ | | . Iononos, main rioda Ecading to Howard Da |
| 0005 | 015 | | | 5 | | 6.1 | | 3 | | 1 | | Red Bay |
| 0005 | 016 | | | 5 | | 1.7 | | 1 | | 1 | | Red Bay |
| 0000 | סוט | | I | 0 | l | 1.7 | | _ ' | l | | 1 | Red bay |

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| Inventory | / Update | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|--------------|------------|-------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|--|
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surface | е Туре | Const | . Need | Section Name |
| 0005 | 025 | | | 5 | | 4.8 | | 1 | | 1 | | Unnamed |
| Subtotal | | | 1 | | | 12.6 | | | | | | |
| 8000 | 025 | | | 5 | | 6.6 | | 1 | | 3 | | Unnamed |
| Subtotal | | | ı | | | 6.6 | | | | | | |
| 0012 | 030 | | | 5 | | 1.0 | | 3 | | 1 | | W. Truckee Ranch Road |
| Subtotal | | | I | - I | | 1.0 | | | | | | |
| P101 | 033 | | | 9 | | 0.1 | | 3 | | 2 | | Maintenance Area Parking |
| 0101 D101 | 063 | | | 9 | | 0.3 | | 5 | | 1 2 | | State Street |
| P101 P101 | 053 055 | | | 9 | | 0.1 | | 5 1 | | 2 | | Clinic Parking Area Day Care Facility Parking Area |
| 0101 | 065 | | | 9 | | 0.1 | | 5 | | 2 | | Road to Museum |
| 0101 | 066 | | | 3 | | 0.3 | | 5 | | 2 | | Unnamed road to High School |
| 0101 | 067 | | | 3 | | 0.3 | | 5 | | 2 | | Unnamed road to High School |
| 0101 | 105 | | | 3 | | 0.2 | | 3 | | 2 | | Capitol Hill Road |
| 0101 | 147 | | | 5 | | 5.0 | | 3 | | 2 | | Dirt Road from Nixon to Winnemucca St. |
| 0101 | 155 | | | 1 | | 0.1 | | 5 | | 1 | | Wishbone Rd. |
| Subtotal | | | | | | 6.5 | | | | | | |
| 0102 | 023 | | | 3 | | 0.1 | | 5 | | 2 | | Antelope Circle |
| 0102 | 025 | | | 3 | | 0.6 | | | | 4 | | Proposed Extension to 5th Street |
| 0102 | 065 | | | 3 | | 0.1 | | 5 | | 2 | | Jackson/8th |
| 0102 | 043 | | | 3 | | 0.1 | | 5 | | 2 | | Owl Circle |
| 0102 | 045 | | | 3 | | 0.3 | | 5 | | 2 | | Fifth Street |
| 0102 | 047 | | | 3 | | 0.1 | | 5 | | 2 | | Short Street |
| 0102 | 049 | | | 3 | | 0.1 | | 5 | | 2 | | Coyote Street |
| 0102 | 071 | | | 5 | | 0.1 | | 5 | | 2 | | Road to Natchez Elementary School |
| P102 | 072 | | | 9 | | 0.1 | | 5 | | 2 | | Parking lot for Natchez Elem. School |
| 0102 | 073 | | | 3 | | 0.1 | | 5 | | 2 | | Numa |
| 0102 | 075 | | | 3 | | 0.1 | | 5 | | 2 | | Brady Street |
| 0102 | 077 | | | 3 | | 0.1 | | 5 | | 2 | | Brady Street |
| 0102 | 085 | | | 5 | | 0.4 | | 5 | | 2 | | Sagebrush Street |
| 0102 | 086 | | | 3 5 | | 0.1 | | 5 | | 2 | | Sagebrush Street |
| 0102 P102 | 087 101 | | | 9 | | 0.3 | | 5 3 | | 2 | | Tumbleweed St. Parking lot for Day Care (Wadsworth) |
| P102 | 155 | | | 9 | | 0.1 | | 6 | | 2 | | Post Office Parking Lot |
| 0102 | 227 | | | 5 | | 0.1 | | 5 | | 2 | | Victim Services Program Bldg. Road |
| 0102 | 157 | | | 3 | | 0.1 | | 5 | | 2 | | Gregory Street |
| P102 | 225 | | | 9 | | 0.1 | | 5 | | 2 | | Skies Youth Wellness Center Parking |
| 0102 | 230 | | | 5 | | 0.8 | | 4 | | 2 | | Ranch Road |
| 0102 | 240 | | | 5 | | 0.2 | | 1 | | 3 | | Unnamed Access Road to Rodeo Grounds |
| Subtotal | | | | | | 4.2 | | | | | | |
| P103 | 005 | | | 9 | | 0.1 | | 3 | | 2 | | Parking lot for Sutcliff Community Center |
| 0103 | 007 | | | 5 | | 0.1 | | 3 | | 2 | | Rd. to Sutcliffe Community Center |
| 0103 | 015 | | | 5 | | 0.5 | | 3 | | 2 | | Unnamed Road |
| Subtotal | | | ı | | | 0.7 | | | | | | |
| P201 | 014 | | ļ | 9 | | 0.1 | | 5 | | 2 | | Fisheries Admin. Parking Lot |
| 0201 | 015 | | | 3 | | 0.3 | | 3 | | 2 | | Kennedy Dr. |
| 0201 | 017 | | - | 3 | | 0.7 | | 3 | | 2 | | Unnamed |
| 0201 | 018 | | | 5 | | 0.1 | | 5 | | 2 | | Unnamed |
| 0201 | 019 | | | 5 | | 0.2 | | 3 | | 1 | | Unnamed |
| 0201 | 025 | | 1 | 5 | | 0.1 | | 1 | | 2 | | Boat Ramp from Marina Rd. |
| 0201 | 030 | | | 5 | | 0.1 | | 5 | | 2 | | Lakeview Dr. |
| 0201 0201 | 040 050 | | | 5 | | 0.2 | | 3 | | 2 | | Sutcliffe Loop Road |
| 0201 | 060 | | | 5 | | 0.1 | | 3 | | 2 | | Unnamed Unnamed |
| Subtotal | 000 | | | i o | | 2.0 | | J | | | | Official |
| 0205 | 005 | | | 5 | | 0.4 | | 3 | | 2 | | Separator Beach |
| 0205 | 005 | | | 5 | | 0.4 | | 1 | | 2 | | Road along Separator Beach |
| 0205 | 007 | | | 5 | | 0.8 | | 1 | | 2 | | Road along Separator Beach |
| 0205 | 020 | | | 5 | | 0.4 | | 3 | | 2 | | Windless Bay |
| 0205 | 030 | | | 5 | | 0.3 | | 1 | | 2 | | Shotdog Beach Road |
| | 550 | | L | <u> </u> | | 5.0 | | | | _ | | Shorady Boadin Mode |

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| Inventory | / Update | | ng D.O.T. entory | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | Inventory Update | Existing D.O.T. | |
|--------------|------------|----------|---------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---|
| Route | Section | Route | Section | Cla | ass | Le | ngth | Surface | e Type | Cons | t. Need | Section Name |
| 0205 | 040 | | | 5 | | 1.2 | | 1 | | 2 | | Beachfront Rd. connects Pelican to Windless Bay |
| Subtotal | | | | | | 3.2 | | | | | | |
| 0206 | 005 | | | 5 | | 0.1 | | 1 | | 2 | | Access Road off of Wino Beach |
| 0206 | 010 | | | 5 | | 0.2 | | 1 | | 2 | | Wino Beach |
| 0206 | 020 | | | 5 | | 0.6 | | 3 | | 2 | | Indian Head Beach |
| 0206 | 030 | | | 5 | | 0.8 | | 3 | | 2 | | Tamaracks Beach |
| 0206 | 040 | | | 5 | | 0.3 | | 3 | | 2 | | Tamaracks Beach |
| 0206 | 050 | | | 5 | | 2.9 | | 3 | | 2 | | Washout Beach |
| 0206 | 060 | | <u> </u> | 5 | | 1.5 | | 3 | <u> </u> | 2 | | Warrior Point |
| Subtotal | | | ı | | | 6.4 | | | ı | Ι. | | |
| P207 | 010 | | | 9 | | 0.1 | | 3 | | 2 | | Parking area for bicylists on TPB |
| 0207 | 030 | | | 5 | | 0.3 | | 3 | | 2 | | Popcorn Rock Beach Rd. |
| 0207 | 040 | | | 5 | | 0.2 | | 3 | | 2 | | Access Rd. To Blockhouse Fishing Area |
| 0207 | 050 | | <u> </u> | 5 | | 1.4 | | 3 | <u> </u> | 2 | | Access Rd. to Dago Beach |
| Subtotal | 005 | | | 2 | | 2.0 | | 1 | 1 | 1 | | Palomino |
| 0310 0310 | 005 040 | | | 3 | | 0.1 | | 4 5 | | 1 | | Palomino Tule St. |
| 0310 | 050 | | | 3 | | 0.4 | | 5 | | 1 | | Buckskin |
| Subtotal | 050 | | <u> </u> | 3 | | 0.1 | | <u> </u> | <u> </u> | <u> </u> | | BUCKSKIII |
| Cuntotal | Tr | ibal Roa | ds to be A | Added | | 61.1 | | | | | | |
| 0006 | 025 | | | 8 | | 3.2 | | 3 | | 2 | | Recreational Road |
| 0006 | 026 | | | 8 | | 0.2 | | 1 | | 2 | | Recreational Road |
| 0006 | 027 | | | 8 | | 0.2 | | | | 2 | | Bridge |
| 0006 | 028 | | | 8 | | 0.1 | | 3 | | 2 | | Recreational Road |
| Subtotal | | | | | | 3.5 | | | | | | |
| 0101 | 148 | | | 8 | | 0.5 | | 1 | | 2 | | ATV Bike Rd. leading to Winnemucca Lake |
| Subtotal | | | | | | 0.5 | | | | | | Ţ. |
| 0206 | 025 | | | 8 | | 2.1 | | 1 | | 2 | | Rd. from SR446 to Indian Head |
| Subtotal | | | | | | 2.1 | | | | | | |
| T100 | 010 | | | 8 | | 5.5 | | 3 | | 2 | | Tahoe Pyramid Bikeway |
| T100 | 020 | | | 8 | | 0.5 | | 1 | | 2 | | Tahoe Pyramid Bikeway |
| T100 | 030 | | | 8 | | 0.2 | | 1 | | 2 | | Tahoe Pyramid Bikeway |
| T100 | 040 | | | 8 | | 1.6 | | 1 | | 2 | | Tahoe Pyramid Bikeway |
| T100 | 050 | | | 8 | | 3.4 | | 1 | | 2 | | Tahoe Pyramid Bikeway |
| T100 | 060 | | | 8 | | 4.4 | | 3 | | 2 | | Tahoe Pyramid Bikeway |
| T100 | 070 | | | 8 | | 2.8 | | 1 | | 2 | | Tahoe Pyramid Bikeway |
| T100 | 080 | | | 8 | | 1.6 | | 5 | <u> </u> | 2 | | Tahoe Pyramid Bikeway |
| Subtotal | | Tribal | Paths to | be Ad | ded | 14.5 20.6 | | | | | | |
| LICOO | 040 | 0000 | 040 | | _ | 0.7 | 0.7 | F | l _F | 2 | 2 | Interstate 80 |
| US80 US80 | 810 820 | 0800 | 810 820 | 1 | 1 | 0.7 | 0.7 | 5 | 5 | 2 | 2 | Interstate 80 B716 |
| US80 | 830 | 0080 | 830 | 1 | 1 | 0.4 | 0.4 | 5 | 5 | 2 | 2 | Interstate 80 |
| US80 | 840 | 0080 | 840 | 1 | 1 | 0.4 | 0.4 | 5 | 5 | 2 | 2 | Interstate 80 |
| Subtotal | U+0 | 5000 | UTU | | | 1.5 | 1.4 | J | | | | miorsiale 00 |
| 0427 | 810 | 0427 | 810 | 2 | 2 | 0.3 | 0.3 | 5 | 5 | 2 | 2 | Pyramid Highway (HWY 427) |
| 0427 | 820 | 0427 | 820 | 2 | 2 | 1.4 | 1.4 | 5 | 5 | 2 | 2 | Pyramid Highway (HWY 427) |
| 0427 | 830 | 0427 | 830 | 2 | 2 | | | 6 | | 2 | 2 | B16 (HWY 427) |
| 0427 | 840 | 0427 | 840 | 2 | 2 | 0.6 | 0.6 | 5 | 2 | | 2 | Main Street/Pyramid Highway (HWY 427) |
| Subtotal | | | | | | 2.3 | 2.3 | | | | | |
| 0445 | 810 | 0445 | 810 | 2 | 2 | 14.7 | 14.5 | 5 | 5 | 2 | 2 | State Hwy 445 |
| Subtotal | | | | | | 14.7 | 14.5 | | | | | |
| 0446 | 810 | 0446 | 810 | 2 | 2 | 13.1 | 12.8 | 5 | 5 | 2 | 2 | State Hwy 446 |
| Subtotal | 1 | | | 1 | | 13.1 | 12.8 | | | | | |
| 0447 | 810 | 0447 | 810 | 2 | 2 | 15.5 | 15.2 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 820 | 0447 | 820 | 2 | 2 | | | 5 | | 2 | 2 | B1351 (Hwy 447) |
| 0447 | 830 | 0447 | 830 | 2 | 2 | 9.2 | 9.0 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 840 | 0447 | 840 | 2 | 2 | 3.3 | 3.2 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 850 | 0447 | 850 | 2 | 2 | 14.3 | 14.1 | 5 | 5 | 2 | 2 | State Hwy 447 |

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| Inventor | y Update | Existing D.O.T. Inventory | | Inventory Update Existing D.O.T. | | Inventory Update | Update Update Existing D.O.T. | | Inventory Update Existing D.O.T. | | Existing D.O.T. | |
|-----------------------------------|--------------------------------|------------------------------|------------|---|-----|---------------------|--|--------|---|------|--------------------|------------------|
| Route | Section | Route | Section | CI | ass | Le | ength | Surfac | е Туре | Cons | t. Need | Section Name |
| Subtotal | | | | | | 42.3 | 41.5 | | | | | |
| | Tot | al (Non- | BIA) IRR S | Systen | n | 73.9 | 72.5 | | | | | |
| US80 | 807 | | | 1 | | 8.5 | | 5 | | 2 | | Interstate 80 |
| US80 | 805 | | | 1 | | 0.2 | | 5 | | 2 | | Interstate 80 |
| US80 | 803 | | | 1 | | 15.6 | | 5 | | 2 | | Interstate 80 |
| Subtotal | | | | | | 24.3 | | | | | | |
| 9102 | 810 | | | 3 | | 0.6 | | 5 | | 2 | | Reservation Road |
| 9102 | 820 | | | 3 | | 0.2 | | 5 | | 2 | | Ackley Ave. |
| 9102 | 830 | | | 3 | | 0.2 | | 5 | | 2 | | School Street |
| 9102 | 840 | | | 3 | | 0.3 | | 5 | | 2 | | Virginia Street |
| 9102 | 850 | | | 5 | | 0.5 | | 5 | | 2 | | Lincoln Highway |
| 9102 | 860 | | | 3 | | 0.1 | | 5 | | 2 | | Railroad Ave. |
| 9102 | 870 | | | 3 | | 0.2 | | 5 | | 2 | | Liberty Rd. |
| 9102 | 880 | | | 3 | | 0.1 | | 5 | | 2 | | Park Ave. |
| 9102 | 890 | | | 3 | | 0.2 | | 5 | | 2 | | Herman's Ave. |
| 9102 | 900 | | | 5 | | 0.2 | | 5 | | 2 | | Stampmill Dr. |
| Subtotal | | | | | | 2.6 | | | | | | |
| 9035 | 020 | | | 5 | | 0.4 | | 3 | | 2 | | Olinghouse Rd. |
| Subtotal | | | | | | 0.4 | | | | | | |
| 0445 | 805 | | | 2 | | 19.4 | | 5 | | 2 | | Highway 445 |
| Subtotal | | | | | | 19.4 | | | | | | |
| | То | be Adde | d to IRR S | Systen | n | 46.7 | | | | | | |
| Subtotal | | | | | | | | | | | | |
| To be Deleted from IRR System 0.0 | | | | | | | | | | | | |
| US80 | 840 | US80 | 840 | 1 | 1 | | 0.1 | 5 | 5 | 2 | 2 | |
| 0445 | 810 | 0445 | 810 | 2 | 2 | | 0.2 | 5 | 5 | 2 | 2 | State Hwy 445 |
| 0446 | 810 | 0446 | 810 | 2 | 2 | | 0.3 | 5 | 5 | 2 | 2 | State Hwy 446 |
| 0447 | 830 | 0447 | 830 | 2 | 2 | | 0.2 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 840 | 0447 | 840 | 2 | 2 | | 0.1 | 5 | 5 | 2 | 2 | State Hwy 447 |
| 0447 | 850 | 0447 | 850 | 2 | 2 | | 0.2 | 5 | 5 | 2 | 2 | State Hwy 447 |
| Subtotal | | | | | | | 1.1 | | | | | |
| | IRR System Mileage Corrections | | | | | | 1.1 | | | | | <u> </u> |

SUMMARY OF PROPOSED BIA ROAD SYSTEM MILEAGE REVISIONS

| | Miles |
|--|--------|
| Existing BIA DOT Inventory | 151.8 |
| Roads to be Added to BIA System | 0.0 |
| Roads to be Deleted from BIA System | (1.6) |
| Other Route Mileage Corrections (Net Deletion) | (24.2) |
| Tribal Roads to be Added | 61.1 |
| Tribal Paths to be Added | 20.6 |
| Proposed BIA Road System | 207.7 |

SUMMARY OF PROPOSED NON BIA (IRR) SYSTEM MILEAGE REVISIONS

| | Miles |
|--|-------|
| Existing BIA DOT Inventory | 72.5 |
| Roads to be Added to IRR System | 46.7 |
| Roads to be Deleted from IRR System | 0 |
| Other Route Mileage Corrections (Net Deletion) | 1.1 |
| Proposed Non-BIA (IRR) System | 120.3 |

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| Average Paved Street Maintenance Cost - Per Mile*(2008 dollars) Pyramid Lake Reservation | | | | | | | | |
|--|------------|----------|-------------------|--------------|--|--|--|--|
| V | | | | 7 / 10 / | | | | |
| Year | Operation | Quantity | Unit Cost | Total Cost | | | | |
| 1 | None | 0 | \$0.00 | \$0.00 | | | | |
| 2 | None | 0 | \$0.00 | \$0.00 | | | | |
| 3 | None | 0 | \$0.00 | \$0.00 | | | | |
| 4 | None | 0 | \$0.00 | \$0.00 | | | | |
| 5 | Crack Seal | 5,600 | \$1.20 | \$6,720.00 | | | | |
| | | | | | | | | |
| 6 | None | 0.00 | 0.00 | 0.00 | | | | |
| 7 | None | 0 | \$0.00 | \$0.00 | | | | |
| 8 | None | 0 | \$0.00 | \$0.00 | | | | |
| 9 | None | 0 | \$0.00 | \$0.00 | | | | |
| 10 | Patch (3%) | 4,120 | \$8.00 | \$32,960.00 | | | | |
| 10 | Crack Seal | 5,800 | \$1.20 | \$6,960.00 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 11 | None | 0.00 | 0.00 | 0.00 | | | | |
| 12 | None | 0.00 | 0.00 | 0.00 | | | | |
| 13 | None | 0.00 | 0.00 | 0.00 | | | | |
| 14 | None | 0.00 | 0.00 | 0.00 | | | | |
| 15 | Patch (3%) | 4,120 | \$8.00 | \$32,960.00 | | | | |
| 15 | Crack Seal | 5,805 | \$1.20 | \$6,966.00 | | | | |
| | | · | | · | | | | |
| 16 | None | 0.00 | 0.00 | 0.00 | | | | |
| 17 | None | 0.00 | 0.00 | 0.00 | | | | |
| 18 | None | 0.00 | 0.00 | 0.00 | | | | |
| 19 | None | 0.00 | 0.00 | 0.00 | | | | |
| 20 | Patch (3%) | 4,120 | \$8.00 | \$32,960.00 | | | | |
| 20 | Crack Seal | 5,805 | \$1.20 | \$6,966.00 | | | | |
| | | -, | , | + - / | | | | |
| | | | Total: | \$126,492.00 | | | | |
| | | | Average Per Year: | \$6,324.60 | | | | |

Prices**

Crack Seal (LF) \$1.20 Patching (SF) \$8.00

Assumptions:

- 1) Assumed typical road unit length of 1 mile long by 26' wide.
- 2) Road is new at year 0.
- 3) Crack Sealing for year 5 is estimated at 1 crack at the seam near CL and one transverse crack every 500'.
- 4) Crack Sealing for year 10,15, 20 is estimated at 1 crack at the seam near CL and one transverse crack every 300'.
- 5) Patch quantity is assumed to be 3% of the total area of a portion of roadway 1 mile long by 26' wide.

^{*}According to Bob Maxwell, BIA roads, BIA maintenance funds pay for crack sealing and patching. Fog seal, slurry seal, and overlay are paid for with construction funds. Crack sealing is usually performed on a 5 to 7 year cycle. Patching is done approximately three times in a 20-year period. Assumptions laying out the linear or square feet to be sealed or patched are listed below.

^{**}Unit costs are estimated based on actual bids in Washoe County, Nevada, in October, 2008, obtained by Bob Schricker, Lumos and Associates Construction Services Manager

Long Range Transportation for the Pyramid Lake Reservation Appendix D

PART 170--INDIAN RESERVATION ROADS PROGRAM

Title 25--Indians

CHAPTER I--BUREAU OF INDIAN AFFAIRS, DEPARTMENT OF THE INTERIOR

For access to this section please go to

http://www.access.gpo.gov/nara/cfr/waisidx_07/25cfr170_07.html

Appendix E Functional Classification of Roadways

Roads are classified as to the functions they perform with regard to the movement of traffic and access to property. Within the IRR system there are two types of road classifications: State Highway Classifications and BIA Road Classifications. Both the state and the BIA utilize functional classifications as the basis for classifying their roads. However, the criteria used to determine specific classifications differ between the state and the BIA.

A. Generalized Functional Classification Definitions

Functional classification is the grouping of roads, streets, and highways into integrated systems, each ranked by its relative importance and the function it is intended to serve, relative to mobility and land access. Functional classification also identifies the role each street or highway should play in channelizing the flow of traffic through a rural and/or urban environment in a logical and efficient manner. The three general functional classification categories are *Arterials*, *Collectors*, and *Local Roads*. At one extreme, an arterial's function is to move through-traffic at high speed over long distances with limited land access. Local roads or streets, by contrast, move traffic at relatively low speeds and provide access to adjacent property; through-traffic is discouraged. Definitions of these general functional classifications, along with desirable characteristics, are given below.

Arterials carry relatively large volumes of traffic through the state and to major trip destinations such as employment or commercial centers. Arterials fall into two categories: principal and minor. Principal (major) arterials include United State and interstate highways, and state highways that serve all urban areas with a population greater than 50,000 and a large majority of those areas with a population of 25,000 or more. Minor arterials are routes that provide interstate and inter-county service to cities and towns with populations of less than 25,000 and other traffic generators capable of attracting travel over long distances. Principal arterials usually have four traffic lanes (two lanes in each direction), provide storage for left turns at most intersections, and are separated by a median or continuous left-turn lane. Minor arterials may only have two traffic lanes and should include a storage lane for left turns at major intersections. A minimum right-of-way width of 100 to 150 feet is desirable for an arterial, with wider rights-of-way being needed for roads with more than four lanes.

Collectors generally serve travel of primarily intra-county and regional importance, rather than statewide importance, and have shorter travel distances than arterials. They also provide a balance between mobility and land access by customarily permitting access to all abutting properties. There are two

categories of collectors; major and minor. Major collectors provide service to any county seat or community not served by an arterial road, and serve other traffic generators of intra-county importance: regional parks, consolidated schools, agricultural areas, shipping points, etc. Minor collectors are spaced at intervals consistent with population density, collect traffic from local roads, and provide access to all developed areas within a reasonable distance of a major collector or higher classified road. A minimum right-of-way width of 80 to 100 feet is desirable for a collector.

Local Roads comprise the balance of the road network and carry low volume, low-speed traffic. The primary function of a local road is to provide access to individual parcels of property. Local roads usually serve residential areas and may also serve scattered business and industry sites that generate modest traffic. A minimum right-of-way of 60 to 80 feet is desirable for a local road.

B. State Highway Classifications

The Nevada Department of Transportation's Roadway Functional Classification Map for Washoe County shows the following functional classifications for state routes on the Pyramid Lake Reservation.

| Functional Classification of State Routes on the Pyramid Lake Reservation | | | | | | | | |
|--|---|--------------------------|--|--|--|--|--|--|
| Route Name or Number | Location | Classification | | | | | | |
| SR 445 | Reservation Boundary to Sutcliffe | Minor Arterial | | | | | | |
| SR 446 | Junction 447 to Junction 445 | Minor Arterial | | | | | | |
| SR 447 | Wadsworth to Nixon | Minor Arterial | | | | | | |
| SR 447/Gerlach Road | Nixon to Gerlach | Rural Major Collector | | | | | | |
| Surprise Valley Road | north of Sutcliffe north to Reservation Boundary | Rural Minor Collector | | | | | | |

SOURCE: NDOT Functional Classification Maps, Washoe County

C. BIA Road Classifications

As a part of the BIA's IRR Inventory system management, all IRR transportation facilities included on or added to the IRR inventory must be classified according to the following functional classifications:

- **Class 1:** Major arterial roads providing an integrated network having the characteristics for serving traffic between large population centers, generally without stub connections and having average daily traffic volumes of 10,000 vehicles per day or more with more than two lanes of traffic.
- Class 2. Rural minor arterial roads providing an integrated network having the characteristics of serving traffic between large population centers, generally without stub connections. May also link smaller towns and communities to major resort areas that attract travel over long distances and generally provide for relatively high overall speeds with minimum interference to through traffic movement. Generally provide for at least inter-county or interstate service and are spaced at intervals consistent with population density. This class of road will have less than 10,000 vehicles per day.
- **Class 3.** Streets that are located within communities serving residential and other urban settings.
- Class 4: A rural major collector road that is a collector to rural local roads.
- **Class 5:** Rural local road that is either a section line and/or stub-type roads that collect traffic for arterial-type roads and make connections within the grid of the IRR system. This class of road may serve areas around villages, into farming areas, to schools, tourist attractions or various small enterprises. Also included are roads and vehicular trails for administration of forest, grazing, mining, oil, recreation, or other use purposes.
- **Class 6.** These are city minor arterial streets that are located within communities and serve as access to major arterials.
- **Class 7:** These are city collector streets that are located within communities and serve as collectors to city local streets
- **Class 8:** This classification encompasses all non-road projects such as paths, trails, walkways or other designated types of routes for public use by foot traffic, bicycles, trail bikes, snowmobiles, all-terrain vehicles or other uses to provide for the general access of non-vehicular traffic.

- **Class 9:** This classification encompasses other transportation facilities such as public parking facilities adjacent to IRR routes and scenic byways, rest areas, and other scenic pullouts, ferry boat terminals, and transit terminals
- **Class 10:** This classification encompasses airstrips that are within the boundaries of the IRR System grid and are open to the public. These airstrips are included for maintenance and inventory purposes only.
- **Class 11:** This classification indicates an overlapping of a previously inventoried section or sections of a route and is used to indicate that it is not to be used for accumulating needs data. This class is used for reporting and identification purposes only.



Traffic accidents investigated by Pyramid Lake Police: 2005-2010 Approx. 200

Nevada Highway Patrol investigations/Burning Man: 2005-2010 Approx. 90 Nevada Highway Patrol Investigations/Non Burning Man: 2005-2010 Approx. 20

Fatal Accidents: 2005/2010

Frequent Accident Sites: SR 447 mm8 to mm10

SR 447 at Marble Bluff SR 447 mm21 - mm 36 SR 445 mm31 - mm 33 SR 445 mm45 - Sand Pass

SR447 mm8-mm10: Narrow roadway restricted field of vision.

SR447 at Marble Bluff: Narrow roadway, restricted field of vision. Hazardous south

bound shoulder.

SR447 mm21- mm 36 Soft shoulder north & south bound

SR445 mm31- mm 33 Speed too fast for conditions, curves,

restricted field of vision.

SR445 mm45-Sand Pass Narrow gravel roadway, washboard roadway, curves,

restricted field of vision. Driving too fast for road

conditions.

Source: Pyramid Lake case data bank.

Pyramid Lake Traffic Section.

Sgt. S. Miller

Traffic Accident Overview

March 18, 2010

Traffic accidents investigated by Pyramid Lake Police: 2005-2010 Approx. 200

Nevada Highway Patrol investigations/Burning Man: 2005-2010 Approx. 90 Nevada Highway Patrol Investigations/Non Burning Man: 2005-2010 Approx. 20

Fatal Accidents: 2005/2010 3

Frequent Accident Sites: SR 447 mm8 to mm10

SR 447 at Marble Bluff SR 447 mm21 - mm 36 SR 445 mm31 - mm 33 SR 445 mm45 - Sand Pass

SR447 mm8-mm10: Narrow roadway restricted field of vision.

SR447 at Marble Bluff: Narrow roadway, restricted field of vision. Hazardous south

bound shoulder.

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restricted field of vision.

SR445 mm45-Sand Pass Narrow gravel roadway, washboard roadway, curves,

restricted field of vision. Driving too fast for road

conditions.

Source: Pyramid Lake case data bank.

Pyramid Lake Traffic Section.

Sgt. S. Miller



PYRAMID LAKE PAIUTE TRIBE TRAVEL DEMAND STUDY TECHNICAL MEMO

SEPTEMBER 2010

PREPARED BY:



5401 Longley Lane, Suite 5 Reno, NV 89511 Tel: 775.827.6111

Fax: 775.827.6122

Purpose and Scope

The purpose of this study is to identify and evaluate current and future travel demand for the Pyramid Lake Paiute Tribe Reservation. The characteristics of past and current travel will be projected to future conditions through a simple historical trends analysis. Growth rates in population and average annual daily traffic (AADT) will be examined for consistency with the standards set forth by the Bureau of Indian Affairs (BIA). A discussion of available accident data is included to assist in identifying any potential problem areas and causes of crashes and to develop corrective actions to these issues. Finally, the influence of the transportation network and data on mobility in the region will be discussed.

Methodology

The Federal Highway Administration's publication *Developing a Long Range Transportation Plan – Information Tools for Tribal Governments* was reviewed for guidelines, recommendations and scope. Data sources were identified and reviewed for their ability to function as indicators of travel demand. Due to the rural nature of the PLPT Reservation and the availability of data, a simplified historical trend analysis was selected.

Population and Annual Average Daily Traffic (AADT) information sources were identified and found to have enough historical data to support a trend analysis. Population data was supported by three sources; the U.S. Census, PLPT, BIA Labor Force Reports. The numbers for tribal enrollment were utilized instead of numbers for total eligible for services due to the consistency of the tribal enrollment numbers as the total eligible for services varied greatly from year to year. Datasets for the following years were obtained based on availability: 1990, 1993, 2000, 2001, 2003, 2004 and 2005. Population for years where datasets were not available was derived by establishing trends and applying the growth factors accordingly.

Population

Table 1 - Population Growth Rate Averages is provided below to show the results of the average growth rate, average growth rate with outliers removed and the growth rate as defined by BIA.

| Average 1990 - 2005 | Average 1990 - 2005 (high and low removed) | Growth Rate as defined by BIA |
|---------------------|--|-------------------------------|
| 3.1% | 2.1% | 2.0% |

Table 1 - Population Growth Rate Averages

As one can deduce the BIA's predetermined growth rate of 2% is very close calculated growth rates, especially with the outliers removed. Using the BIA's growth rate of 2.0% the following population is estimated:

| Year | 2010 | 2020 | 2030 |
|----------------------|------|------|------|
| Estimated Population | 2499 | 3046 | 3713 |

Table 2 - Population Estimates

Annual Average Daily Traffic

Annual Average Daily Traffic was obtained from the Nevada Department of Transportation's *Traffic Information Access* application. A total of 12 NDOT data recording locations were identified as existing within the boundaries of the PLPT Reservation. The complete set of NDOT AADT data ranging from year 1990 to 2009 can be found in Attachment A. The average yearly percent change from 1990 to 2009 at individual stations ranged from -0.3% to 6.7% with an average of 2.2% for all stations combined. Again the average growth rate of AADT at NDOT data locations is similar to the 2.1% population growth identified by the population data trend and the 2.0% population growth rate identified by the BIA.

A 2.0% growth rate was applied to the most recent AADT data from NDOT to predict 2010 AADT conditions and project out to 2020 and 2030.

| NDOT | | Proj | ected A | ADT |
|---------------|--|--------------|--------------|--------------|
| Station ID | Location | 2010 AADT | 2020 AADT | 2030 AADT |
| 31-0112 | IR80E E/B on-ramp of the W Wadsworth Intch 'Exit 43' | 194 | 236 | 288 |
| 31-0114 | IR80E W/B ooff-ramp of the W Wadsworth Intch 'Exit 43' | 194 | 236 | 288 |
| 31-0116 | IR80E .9 mi E of the W Wadsworth Intch 'Exit 43' | 23460 | 28598 | 34860 |
| 31-0117 | SR427 .3 mi W of SR-447. | 1122 | 1368 | 1667 |
| 31-0348 | SR445 1.2 mi S of SR-446 to Nixon & .1 mi N of mp-31. | 898 | 1094 | 1334 |
| 31-0349 | SR446 .4 mi E of SR-445 (Pyramid Rd). | 571 | 696 | 849 |
| 31-0350 | SR445 1.1 mi N of SR-446 to Nixon. | 765 | 933 | 1137 |
| 31-0351 | SR445 .2 mi N of mp 36. | 377 | 460 | 561 |
| 31-0352 | SR447 8.7 mi N of Freemont St in Nixon & .4 mi S of mp 25. | 520 | 634 | 773 |
| 31-0353 | SR447 .2 mi N of SR-446 to Sutcliffe. | 1428 | 1741 | 2122 |
| 31-0355 | SR447 1.1 mi N of SR-427 in Wadsworth. | 1632 | 1989 | 2425 |
| 31-0602 | SR427 .2 mi E of the Truckee River. | 2350 | 2907 | 3598 |

Table 3 - AADT Projections 2010, 2020, 2030

Refer to Figure 1- AADT Projections for locations of NDOT data sites and projected AADT data.

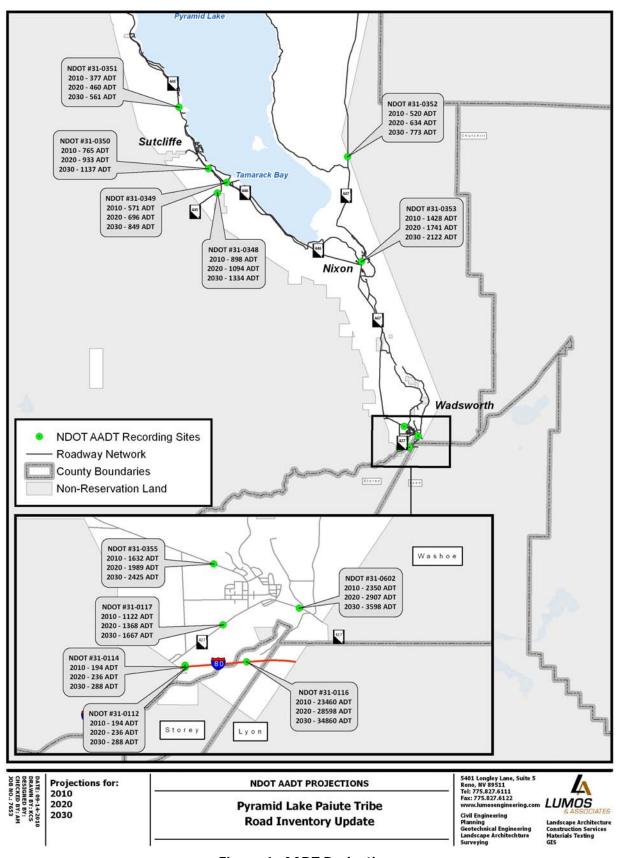


Figure 1- AADT Projections

Traffic Accident Information

NDOT publishes the report called *Nevada Traffic Crashes*, typically on a yearly basis. The most recent publication was in 2006. The report generally classifies accidents information for every county in the state but not on a road by road basis. The PLPT Reservation is within a rural area of Washoe County and contains Interstate 80, several state highways and local roads that are monitored by NDOT. After examining the data available for Washoe County it became apparent that the urban population centers of Reno and Sparks heavily determine both the quantity and cause of accidents that are recorded. The report states that urban areas accounted for 88.4% of all collisions and rural areas 11.6%.

The top seven causes of accidents in Washoe County for the year 2006 area as follows:

- Driving too fast for conditions
- Failed to yield right of way
- Followed to closely
- Hit and Run
- Failure to keep in proper lane
- Disregarded traffic signs, signals, road markings
- Unsafe lane changes.

For comparison, Pershing County, to the east of Washoe is predominately rural in nature. The cause of accidents in Pershing County is assumed to more closely resemble the causes of accidents on the Pyramid Lake Reservation. Pershing County had the following causes of accidents for the year 2006:

- Failure to keep in proper lane
- Driving too fast for conditions
- Object avoidance
- Over correcting / Over steering
- Disregarded traffic signs, signals and road markings
- Mechanical Defects
- Ran off road

The top ten rural crash types (2003) in Nevada are:

- Ran off roadway and overturned
- Rear end collision
- Ran off roadway struck fixed object
- Animal
- Angle collision
- Sideswipe collision same direction
- Ran off roadway and other combinations
- Ran off roadway
- Parked vehicle
- Out of control vehicle

Accidents reported by the Pyramid Lake Police Department are as follows:

| Year | Property Damage Only | Injury Crashes | Fatal Crashes | Total Crashes |
|------|----------------------------|-------------------|------------------|------------------|
| 1998 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 |
| 2000 | 4 | 3 | 0 | 7 |
| 2001 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 |
| 2006 | n/a | n/a | n/a | n/a |

Table 4 - Accidents as recorded by NDOT by PLPT Police

Fatal accidents reported to NDOT are as follows:

| Year | Location | Route |
|------|-----------------------------|-------|
| 1998 | n/a | n/a |
| 1999 | n/a | n/a |
| 2000 | n/a | n/a |
| 2001 | n/a | n/a |
| 2002 | North of Sutcliffe | 445 |
| 2003 | Between Sutcliffe and Nixon | 447 |
| 2006 | South of Wadsworth | I-80 |

Table 5 – Fatal Accidents as recorded by NDOT

Primarily causes or crash types for fatal accidents were not indicated in the Traffic Accident Reports for specific locations.

Holiday and Recreational Traffic

While the PLPT Reservation can be considered rural and has relatively low AADT numbers, especially on the northern region roadways, holiday and recreational based traffic creates considerable increases in the traffic of the region. Pyramid Lake is a very popular destination for fishing and other lake focused recreational activities and the data in Table 6 shows the dramatic increase in daily traffic during the weekends.

| Date | Day of Week | Daily Traffic |
|-----------|-----------------------|---------------|
| 5/29/2010 | Saturday | 1482 |
| 5/30/2010 | Sunday | 1895 |
| 5/31/2010 | Monday (memorial day) | 1197 |
| 6/1/2010 | Tuesday | 281 |
| 6/2/2010 | Wednesday | 242 |
| 6/3/2010 | Thursday | 243 |
| 6/4/2010 | Friday | 321 |
| 6/5/2010 | Saturday | 871 |
| 6/6/2010 | Sunday | 903 |
| 6/7/2010 | Monday | 285 |
| 6/8/2010 | Tuesday | 283 |
| 6/9/2010 | Wednesday | 281 |

Table 6 - Memorial Weekend Daily Traffic

Mobility Challenges and Opportunities on the PLPT Reservation

There are several challenges and opportunities regarding transportation and the needs of the residents of the PLPT reservation. The rural setting and comparatively minimal services available in the population centers of Sutcliffe, Nixon and Wadsworth necessitate the use of automobiles and transit.

There are generally three paradigms in transportation planning; capacity, mobility and accessibility. Due to the relatively low AADT values that are present on the roadways capacity is not considered a major issue for roadway users. There appears to be substantial capacity on the roadways to accommodate additional traffic and congestion is low. Accessibility is a challenge to the residents due to the rural environment and minimal services present on the reservation. Improving accessibility requires a change in land use and development patterns to minimize travel distances and a transportation system that provides people access to what they need.

The intentions of mobility based policies are to encourage people to use mass transit, to bicycle and increase occupancy of vehicles. The rural setting, disjunct population centers, low population and lack of development demand a mobility based transportation planning paradigm.

Mobility can be enhanced on the reservation and destinations to surrounding areas by developing regional and local bicycle paths and pedestrian facilities. The rural setting, low population and minimal commerce do not lend itself to an environment that could sustain a transit system. Ride sharing and Transportation Demand Management (TDM) could be implemented if a system and technology to support it were present and available.

Without a drastic change in economics, land use and development mobility and accessibility will continue to be a challenge for residents of the PLPT Reservation.

Summary and Recommendations

This technical memo reviewed the recent trends in population and traffic to establish a growth rate which was then applied to current information to project population and traffic in the future, to the years 2020 and 2030. The recent population and traffic growth was consistent with the BIA's annual growth rate of 2.0%.

Accident occurrences and history were evaluated to assess the location, type and cause of accidents. Failure to keep in proper lane, driving too fast for conditions, object avoidance are some of the more common causes of accidents in rural areas in and near the reservation. These causes of accidents typically result in the following types of accidents; ran off roadway and overturned, rear end collision, ran off roadway struck fixed object.

Corrective measures to reduce accidents on the reservation may be beneficial to motorists and the population in general. While traffic accidents and their causes may be due to operator error, an evaluation of existing conditions per the 2010 NDOT Road Design Guide is recommended if not already completed.

The PLPT reservation experiences increased traffic on weekends and holidays from recreation users traveling to and from Pyramid Lake. Increase education, patrol and enforcement may be beneficial to reducing accidents and enhancing visitor experiences.

In an effort to enhance mobility for the residents and visitors to the PLPT Reservation a ride share program or mobility center may be a beneficial and relatively cost effective means of providing additional opportunities for residents to get to their destinations. Bicycling and pedestrian facilities should be enhanced and incorporated into new development and roadway reconstruction efforts, particularly around schools and between housing and commercial land uses.



| 2000 | 300 | 300 | 19480 | 1700 | 1050 | 520 | 1120 | 370 | 520 | 1250 | 1400 | 2150 | |
|-----------------------|---------|---------|---------|---------|-------------|---------|---------|---------|---------|---------|---------|---------|----------|
| % Change 1999-2000 | %9- | %6- | 1% | -11% | %0 | 73% | %0E | -34% | -52% | %†- | %27 | %L- | -1.8% |
| 1999 | 320 | 330 | 19360 | 1900 | 1050 | 460 | 098 | 260 | 029 | 1300 | 1100 | 2300 | |
| % Change 1998-1999 | 2% | %9 | -1% | -1% | %6- | -4% | %8- | 4% | 2% | %/- | %8- | -10% | -5.3% |
| 1998 | 305 | 310 | 19480 | 1920 | 1150 | 480 | 086 | 540 | 640 | 1400 | 1200 | 2550 | |
| % Change 1997-1998 | 24% | 24% | 14% | %/ | 10% | %0 | -15% | -16% | %8 | %8 | 3% | 13% | %2'9 |
| 1997 | 245 | 250 | 17045 | 1800 | 1050 | 480 | 1100 | 640 | 290 | 1300 | 1160 | 2250 | |
| % Change 1996-1997 | 11% | %7- | %9 | %5- | %91- | -14% | -15% | -1% | %6 | %0 | 1% | %9- | -2.7% |
| 1996 | 220 | 255 | 16150 | 1900 | 1250 | 260 | 1300 | 645 | 540 | 1300 | 1150 | 2400 | |
| % Change 1995-1996 | -34% | -55% | %9- | -2% | 12% | %/ | 12% | -1% | 11% | 13% | 33% | -2% | %6.0 |
| 1995 | 332 | 340 | 17240 | 1990 | 1120 | 525 | 1165 | 029 | 485 | 1155 | 865 | 2525 | |
| % Change 1994-1995 | -12% | -17% | %/ | 7% | 12% | %/ | 19% | -1% | -13% | -3% | -2% | 17% | 1.0% |
| 1994 | 380 | 410 | 16105 | 1960 | 1000 | 490 | 086 | 929 | 260 | 1195 | 910 | 2155 | |
| % Change 1993-1994 | 13% | 21% | 11% | 1% | 4% | -5% | 4% | 19% | 38% | 10% | 7% | 4% | 10.5% |
| 1993 | 332 | 340 | 14460 | 1940 | 096 | 200 | 940 | 220 | 405 | 1085 | 895 | 2070 | |
| % Change 1992-1993 | 49% | 24% | 4% | %8 | 12% | %8 | 4% | 83% | %/ | -2% | -15% | 10% | 15.7% |
| 1992 | 225 | 275 | 13920 | 1800 | 855 | 465 | 006 | 300 | 380 | 1145 | 1050 | 1885 | |
| % Change 1991-1992 | %/ | %8 | %9 | 10% | 1% | 4% | %6 | -17% | -10% | 18% | 15% | 2% | 4.7% |
| 1991 | 210 | 255 | 13165 | 1630 | 850 | 445 | 825 | 360 | 420 | 970 | 915 | 1795 | |
| % Change 1990-1991 | %6- | 13% | -1% | %/ | %9- | -16% | -19% | -56% | -10% | -10% | 19% | 1% | -4.6% |
| 1990 | 230 | 225 | 13355 | 1525 | 006 | 230 | 1015 | 485 | 465 | 1075 | 770 | 1775 | |
| Station | 31-0112 | 31-0114 | 31-0116 | 31-0117 | 31-0348 | 31-0349 | 31-0350 | 31-0351 | 31-0352 | 31-0353 | 31-0355 | 31-0602 | Averages |

| Average Yearly % Change 1990 - | %9.0 | -0.3% | 4.0% | %0.0 | 1.3% | 2.3% | 0.7% | 2.8% | 7.6% | 3.0% | %2.9 | 2.2% | 2.5% |
|---|---------|---------|---------|---------|-------------|---------|---------|---------|---------|------------|---------|---------|----------|
| Average Yearly % Change 2000 - 2009 | -4.3% | -4.3% | 2.2% | -3.8% | %9:0- | 7.0% | -2.5% | 2.3% | %9.0 | 2.2% | 3.0% | %6:0 | -0.2% |
| 2009 2 | 190 | 190 | 23000 | 1100 | 880 | 260 | 750 | 370 | 510 | 1400 | 1600 | 2300 | |
| % Change 2008-2009 | -14% | -17% | %0 | %0 | -5% | 14% | -3% | -10% | -5% | 27% | 14% | 2% | 1.1% |
| 2008 | 220 | 230 | 23000 | 1100 | 006 | 490 | 770 | 410 | 520 | 1100 | 1400 | 2200 | |
| % Change 2007-2008 | %0 | 10% | -12% | -21% | -10% | -21% | -13% | -18% | -17% | -15% | -22% | %8- | -12.4% |
| 2007 | 220 | 210 | 26000 | 1400 | 1000 | 620 | 068 | 200 | 089 | 1300 | 1800 | 2400 | |
| % Change 2006-2007 | %0 | %0 | -4% | -24% | 12% | 3% | 41% | 72% | -2% | -13% | 24% | 7% | 5.2% |
| 2006 | 220 | 210 | 27100 | 1850 | 068 | 009 | 089 | 400 | 099 | 1500 | 1450 | 2350 | |
| % Change 2005-2006 | 16% | 2% | 19% | 16% | -53% | -19% | -32% | -56% | -13% | %6- | -15% | -5% | -7.1% |
| 2005 | 190 | 200 | 22700 | 1600 | 1150 | 740 | 026 | 540 | 092 | 1650 | 1700 | 2400 | |
| % Change 2004-2005 | -21% | -53% | -1% | %/ | -12% | %6- | -12% | -4% | %6 | %0 | %9- | 7% | -5.7% |
| 2004 | 240 | 260 | 23000 | 1500 | 1300 | 810 | 1100 | 260 | 200 | 1650 | 1800 | 2350 | |
| % Change 2003-2004 | -11% | -10% | %9 | %0 | %0 7 | 27% | 70% | %44 | 7% | % E | %6 | %7- | 9.7% |
| 2003 | 270 | 290 | 21700 | 1500 | 930 | 640 | 1000 | 390 | 069 | 1600 | 1650 | 2400 | |
| % Change 2002-2003 | 4% | %/ | 4% | -11% | %0 | %0 | %0 | %0 | %0 | %8 | %8 | 12% | 1.4% |
| 2002 | 260 | 270 | 20880 | 1800 | 930 | 640 | 1000 | 390 | 069 | 1550 | 1600 | 2150 | |
| % Change 2001-2002 | 4% | -4% | %/ | %9 | -11% | 19% | %6- | -15% | 30% | 24% | 33% | %0 | %6'9 |
| 2001 | 250 | 280 | 19560 | 1700 | 1050 | 540 | 1100 | 460 | 530 | 1250 | 1200 | 2150 | |
| % Change 2000-2001 | -17% | %L- | %0 | %0 | %0 | 4% | -5% | 24% | 7% | %0 | -14% | %0 | -0.7% |
| 2000 | 300 | 300 | 19480 | 1700 | 1050 | 520 | 1120 | 370 | 520 | 1250 | 1400 | 2150 | |
| Station | 31-0112 | 31-0114 | 31-0116 | 31-0117 | 31-0348 | 31-0349 | 31-0350 | 31-0351 | 31-0352 | 31-0353 | 31-0355 | 31-0602 | Averages |

What is Tribal Transportation Planning?

- Tribal Staff
- Consultants
- BIA and FHWA staff Work together to prepare -

Road Inventory Update

- An inventory of all the roads and transportation facilities used by the Tribe
- Includes both BIA/tribal roads and state and local roads (if they are determined to be important to the functioning of tribal communities)
- Adopted by Tribal Council and submitted to BIA/FHWA
- Important because it determines the amount of federal IRR transportation funding assigned to the Tribe by the BIA/FHWA

Long Range Transportation Plan

- Purpose is to identify and evaluate the present and future transportation needs of the Tribe over the next twenty years
- Important because any transportation project, in order to be eligible for funding, has to have been identified in a plan and TIP (see below) adopted by the Tribal Council and reviewed and approved by the BIA/FHWA

Public input – this transportation workshop

Transportation Improvement Program (TIP) Or

Transportation Project Priority List

- This is a list of the transportation projects that will be completed in the next five years.
- The TIP is fiscally constrained, in other words, projects can't be on the TIP unless funding has been identified and committed

All these are reviewed and adopted by the Tribal Council



Transportation Improvement Projects
Identified in the plan and TIP are carried out

Appendix H
Materials from Workshop On Transportation Planning
Pyramid Lake Paiute Tribe

May 15, 2010 Tribal Headquarters, Nixon, Pyramid Lake Reservation



Safety

What are the major <u>transportation</u> safety issues on (or leading to) the Reservation?

(Put a sticker next to all that apply)

| Condition of roadway (snow, ice, bad pavement surface, etc – what and where?) | Rabbit Circle – cracks need sealing Shoulders on highways need to be fixed Hway 447-Dead Ox – rocks on shoulder – too narrow roadway Highway 447 – Dead Ox |
|---|--|
| Speeding/reckless driving | Need crosswalk by Nixon store – also speed limit signs need to be replaced as you leave Nixon towards Wadsworth |
| Animals or other obstructions on roadway (what and where?) | Wandering dogs – Nixon |
| Lack of signs and other traffic control markings and devices | Sign – no engine breaks entering residential areas (Nixon, Wadsworth, Sutcliffe |
| Too much traffic (where and when?) | During Burning Man – Wadsworth to Nixon |
| Lack of streetlights | Need streetlight in Wadsworth at intersection of old highway 40 and 447 Need streetlight in front of Natchez School by bus stop |
| Lack of sidewalks and/or bike lanes | Nixon |
| Other (describe) | Sand blowing off trucks coming from quarries Cattle guards on state highways need to be brought up level when road is resurfaced Remove the 2 cattleguards by Natchez School |

Appendix H

Materials from Workshop On Transportation Planning Pyramid Lake Paiute Tribe

May 15, 2010 Tribal Headquarters, Nixon, Pyramid Lake Reservation





How do you get to where you need to go?

(Put a sticker next to each of the three travel modes you use the most)

| Drive alone | ••• |
|------------------------------------|-----|
| Ride with friends or family | |
| Bus/Van (Public Transportation) | |
| Walk | |
| Bicycle | |
| Other (describe) | |



Are there any barriers to getting where you need to go?

(Put a sticker next to all that apply)

| Safety | |
|----------------------------|---|
| Cost | |
| Road doesn't go there | |
| No bus, no car, no ride | Need a transportation system to take people to work in Reno and Fernley |
| Other (describe) | |



Can you think of any places on (or leading to) the Reservation where speed limit signs, stop signs, or other traffic control markings or signs are needed? Where? (write in here, or mark on map)

| By Nixon store – crosswalk |
|----------------------------|
| By Post Office – crosswalk |
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Transit

There is currently no public transportation system (buses or vans) on the Reservation. Some other tribes do have public transportation systems and there is some funding available for the federal government.

If the Tribe were to start a public transportation system: How often do you think you would use it?

(put a sticker next to your choice)

| Never | |
|-----------------------|-----|
| 1-10 times a year | |
| Once a month | |
| Once a week | |
| More than once a week | ••• |
| Every day | • |

Depends on where and when it is offered



If the Tribe were to start a public transportation system: Where do you think it should go?

Write potential destinations in the spaces below. (EXAMPLES: Sparks transit station, Tribal headquarters, Fernley WalMart, Pyramid Lake High School, etc)

| Reno, Fernley, Sparks and Fallon; tribal headquarters |
|---|
| Fernley, Sutcliffe, Wadsworth, Nixon |
| Pyramid Lake High School to TMCC and UNR |
| |
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Appendix H
Materials from Workshop On Transportation Planning
Pyramid Lake Paiute Tribe
May 15, 2010 Tribal Headquarters, Nixon, Pyramid Lake Reservation
Board Number 7



If the Tribe were to start a public transportation system: Where should passengers be picked up?

Write potential bus stop locations in the spaces below. (EXAMPLES: Tribal headquarters, Pyramid Lake High School, Wadsworth, etc)

| Tribal headquarters, Wadsworth, Nixon Store |
|---|
| Nixon store, Natchez school, PLF |
| Pyramid Lake High School |
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Appendix H
Materials from Workshop On Transportation Planning
Pyramid Lake Paiute Tribe
May 15, 2010 Tribal Headquarters, Nixon, Pyramid Lake Reservation
Board Number 8



If the Tribe were to start a public transportation system: If fares were charged, how much would you be willing to pay per oneway ride?

(Put a sticker next to your choice)

| (I dt d Sticker Hext to your end | 100) |
|----------------------------------|---------------------------|
| Nothing – I would not ride | |
| \$1 or less | |
| \$1-3 | or a bus pass w/ discount |
| \$3-5 | |
| More than \$5 | |



Bicycle and Pedestrian Transportation

Walking and bicycling are important transportation modes especially for those who can't or don't drive. On the Reservation, bicycle and pedestrian transportation mostly take place to and from school, and in neighborhoods.

Walking and bicycling are also used for exercise and recreation. The mountain bike path between Wadsworth and Pyramid Lake is an example.

State and federal funding is available for bike and pedestrian improvements, including the Safe Routes to School program and Recreational Trails grants.

Listed below are some potential types of walking and bicycling facilities that could be developed on the Reservation. Please write your thoughts about why (or why not) they might be needed or desired and where you think they should be.

Biking/walking/hiking trails

Extend bikeway north along railroad grade?

Extend Tahoe Pyramid bike path away from Nixon housing area and replace with a path along highway to the Nixon store. 1.2 miles

Sidewalks

Bike lanes on existing roads

From tribal office to Nixon Store – PL High school or out to Popcorn

Appendix H
Materials from Workshop On Transportation Planning
Pyramid Lake Paiute Tribe
May 15, 2010 Tribal Headquarters, Nixon, Pyramid Lake Reservation
Board Number 10



Other Transportation Improvements

Other types of projects could take place on the Reservation including those listed below. Please write your thoughts about where and why (or why not) you think they might be needed or desired.

| Scenic byways/interpretive center |
|--|
| |
| |
| |
| |
| Boat docks |
| Replace boat dock at marina and Pelican Point |
| Need another boat dock and road to it. Road needs to be either paved or well |
| maintained gravel |
| |
| |
| |
| Public parking areas |
| Pave tribal office area |
| Pave boat dock areas around lake |
| Pave around Nixon store |
| |
| Others: |
| Other |
| Visitor Center |
| |
| |
| |
| |



LUMOS

The following projects to improve transportation on the Reservation have been identified.

- This list may change as future projects are identified through the planning process
- These projects will not be done all at once, and are subject to available funding

| Project | Length | Location |
|------------------------------|------------|-----------|
| Wadsworth By-pass | 3 miles | Wadsworth |
| 2. Pelican Point Road | 1 mile | Sutcliffe |
| 3. Big Bend Road | 0.05 miles | Wadsworth |
| 4. Capital Hill | 0.05 miles | Nixon |
| 5. Lakeview Drive | 0.15 miles | Sutcliffe |
| 6. Warrior Point | 1.00 miles | Sutcliffe |
| 7. Pyramid Lake Road | 12.0 miles | Nixon |
| 8. West Pyramid Lake | 5.00 miles | Nixon |
| 9. Route 2 Pyramid Lake | 11.0 miles | Sutcliffe |
| 10. Route 204 Albert Road | 0.25 miles | Sutcliffe |



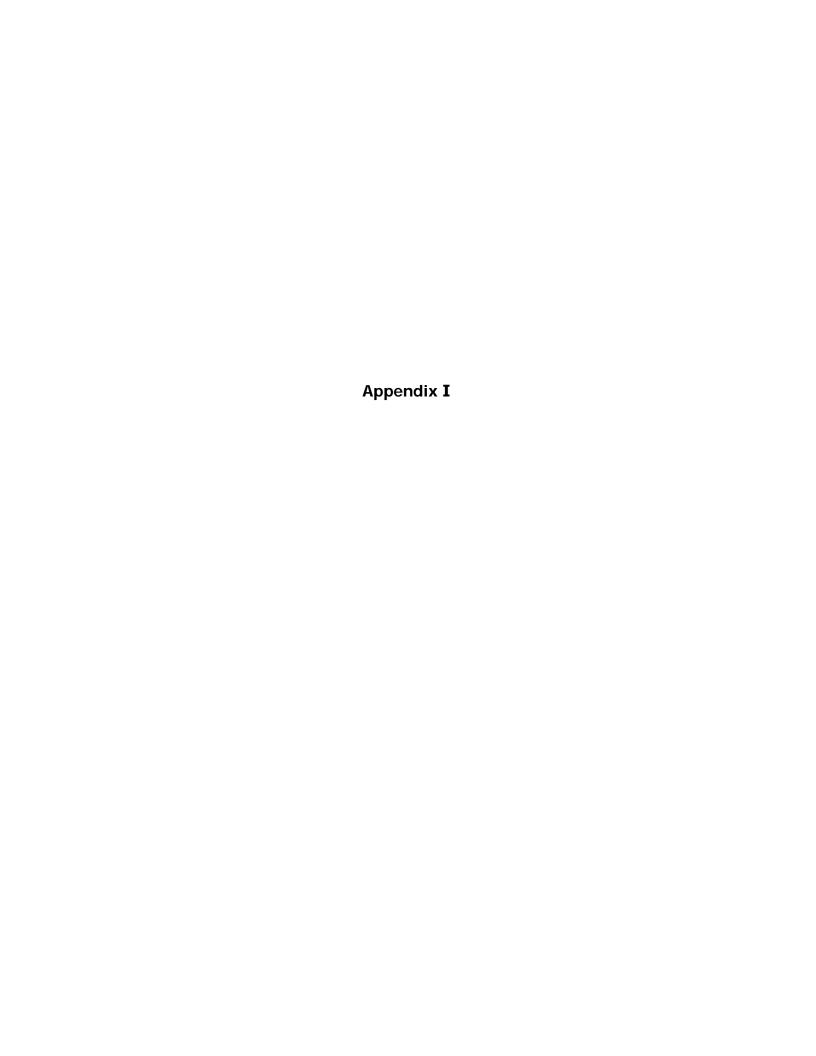
COMMENTS:

Can you think of other transportation improvements that are needed?

Did we forget anything you'd like us to know about transportation on the Reservation?

- Chip seal all paved Reservation roads
- New road south along the lake from Sutcliffe (Lakeview Drive already on existing priority list)
- Have Adopt-a-Highway program and have tribal programs, organizations and groups adopt an area to keep clean
- Have a "pack it in; pack it out" system for trash similar to the Grand Canyon – offer trash bags with daily pass
- Off-road vehicle tracks and trash are a problem can roads be signed, designed, and controlled to minimize this?
- Need to maintain Tahoe Pyramid bike path for people to use or it will deteriorate
- Feasibility study for new boat dock:
 - o Location
 - Potential funding
 - o Potential users and level of use





Proposed Transportation Improvements



Engineer's Estimate

Wadsworth By-Pass Includes 30' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ંા | Jnit Price | Amount |
|------|--|----------|------|----|------------|--------------------|
| 1 | Mobilization | 1 | LS | \$ | 322,972.27 | \$ 322,972.27 |
| 2 | Earthwork | 159,573 | CY | \$ | 8.00 | \$ 1,276,586.67 |
| 3 | Subgrade Preparation | 538,560 | SF | \$ | 0.20 | \$ 107,712.00 |
| 4 | Place 9" Type II Aggregate Base | 475,200 | SF | \$ | 1.00 | \$ 475,200.00 |
| 5 | Place 3" AC20P | 475,200 | SF | \$ | 2.50 | \$ 1,188,000.00 |
| 6 | Shouldering | 63,360 | SF | \$ | 0.50 | \$ 31,680.00 |
| 7 | Place 24" Pipe | 1,000 | LF | \$ | 100.00 | \$ 100,000.00 |
| 8 | Place 24" Flared End Section | 40 | EA | \$ | 500.00 | \$ 20,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| 10 | Place 4" Solid with 4" Dashed Yellow Pavement Markings | 15,840 | LF | \$ | 0.35 | \$ 5,544.00 |

 Sub Total
 \$ 3,552,695

 Contingency (20%)
 \$ 710,539

 Engineering/CM/Testing (15%)
 \$ 532,904

 Total Estimate
 \$ 4,796,000

Pelican Point Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ંા | Jnit Price | Amount |
|------|--|----------|------|----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 62,836.89 | \$ 62,836.89 |
| 2 | Earthwork | 10,951 | CY | \$ | 8.00 | \$ 87,608.89 |
| 3 | Subgrade Preparation | 147,840 | SF | \$ | 0.20 | \$ 29,568.00 |
| 4 | Place 9" Type II Aggregate Base | 126,720 | SF | \$ | 1.00 | \$ 126,720.00 |
| 5 | Place 3" AC20P | 126,720 | SF | \$ | 2.50 | \$ 316,800.00 |
| 6 | Shouldering | 21,120 | SF | \$ | 0.50 | \$ 10,560.00 |
| 7 | Place 24" Pipe | 250 | LF | \$ | 100.00 | \$ 25,000.00 |
| 8 | Place 24" Flared End Section | 10 | EA | \$ | 500.00 | \$ 5,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| 10 | Place 4" Solid Double Yellow Pavement Markings | 5.280 | LF | \$ | 0.40 | \$ 2.112.00 |

 Sub Total
 \$ 691,206

 Contingency (20%)
 \$ 138,241

 Engineering/CM/Testing (15%)
 \$ 103,681

 Total Estimate
 \$ 933,000

Proposed Transportation Improvements



Engineer's Estimate

Big Bend Road (Reconstruct 14 foot roadway) Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ં ા | Jnit Price | Amount |
|------|--|----------|------|-----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 94,000.51 | \$ 94,000.51 |
| 2 | Earthwork | | CY | \$ | 8.00 | \$ - |
| 3 | Subgrade Preparation | 124,186 | SF | \$ | 0.20 | \$ 24,837.12 |
| 4 | Place 9" Type II Aggregate Base | 124,186 | SF | \$ | 1.00 | \$ 124,185.60 |
| 5 | Place 3" AC20P | 106,445 | SF | \$ | 2.50 | \$ 266,112.00 |
| 6 | Shouldering | 17,741 | SF | \$ | 0.50 | \$ 8,870.40 |
| 7 | Place 24" Pipe | 50 | LF | \$ | 100.00 | \$ 5,000.00 |
| 8 | Place 24" Flared End Section | 2 | EA | \$ | 500.00 | \$ 1,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 10,000.00 | \$ 10,000.00 |
| 10 | 50 space paved parking lot | 50 | EA | \$ | 10,000.00 | \$ 500,000.00 |
| 11 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |

 Sub Total
 \$ 1,034,006

 Contingency (20%)
 \$ 206,801

 Engineering/CM/Testing (15%)
 \$ 155,101

 Total Estimate
 \$ 1,396,000

Pyramid Lake Road (grading)

| Item | Description | Quantity | Unit | i | Unit Price | Amount |
|------|---|-----------|------|----|------------|--------------------|
| 1 | Mobilization | 1 | LS | \$ | 139,448.00 | \$ 139,448.00 |
| 2 | Grade Existing Roadway | 1 | LS | \$ | 20,000.00 | \$ 20,000.00 |
| 3 | Place 6" Type II Aggregate Base | 1,900,800 | SF | \$ | 0.60 | \$ 1,140,480.00 |
| 4 | Place 24" Pipe | 1,200 | LF | \$ | 100.00 | \$ 120,000.00 |
| 5 | Place 24" Flared End Section | 48 | EA | \$ | 500.00 | \$ 24,000.00 |
| 6 | Provide Traffic Control | 1 | LS | \$ | 10,000.00 | \$ 10,000.00 |
| 7 | Maintain Roadway by grading (4 times per yr for 1 yr) | 4 | EA | \$ | 20,000.00 | \$ 80,000.00 |

 Sub Total
 \$ 1,533,928

 Contingency (20%)
 \$ 306,786

 Engineering/CM/Testing (15%)
 \$ 230,089

 Total Estimate
 \$ 2,071,000

Proposed Transportation Improvements



Engineer's Estimate

Lakeview Drive Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ંા | Jnit Price | Amount |
|------|--|----------|------|----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 33,511.79 | \$ 33,511.79 |
| 2 | Earthwork | 821 | CY | \$ | 8.00 | \$ 6,570.67 |
| 3 | Subgrade Preparation | 22,176 | SF | \$ | 0.20 | \$ 4,435.20 |
| 4 | Place 9" Type II Aggregate Base | 19,008 | SF | \$ | 1.00 | \$ 19,008.00 |
| 5 | Place 3" AC20P | 19,008 | SF | \$ | 2.50 | \$ 47,520.00 |
| 6 | Shouldering | 3,168 | SF | \$ | 0.50 | \$ 1,584.00 |
| 7 | Place 24" Pipe | 50 | LF | \$ | 100.00 | \$ 5,000.00 |
| 8 | Place 24" Flared End Section | 2 | EA | \$ | 500.00 | \$ 1,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 10,000.00 | \$ 10,000.00 |
| 10 | 24 space paved parking lot | 24 | EA | \$ | 10,000.00 | \$ 240,000.00 |
| 11 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |

 Sub Total
 \$ 368,630

 Contingency (20%)
 \$ 73,726

 Engineering/CM/Testing (15%)
 \$ 55,294

 Total Estimate
 \$ 498,000

Tahoe Pyramid Bikeway

| Item | Description | Quantity | Unit | . 1 | Jnit Price | Amount |
|------|-------------|------------------|------|-----|------------|-----------------|
| 1 | Study | 1 | LS | \$ | 50,000.00 | \$ 50,000.00 |
| | | | | | | |
| | | Sub Total | | | | \$ 50,000 |
| | | Contingency (209 | %) | | | \$ 10,000 |
| | | Total Estimate | | | | \$ 60,000 |

Proposed Transportation Improvements



Engineer's Estimate

Warrior Point Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ٠t | Jnit Price | Amount |
|------|--|----------|------|----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 79,750.72 | \$ 79,750.72 |
| 2 | Earthwork | | CY | \$ | 8.00 | \$ - |
| 3 | Subgrade Preparation | 206,976 | SF | \$ | 0.20 | \$ 41,395.20 |
| 4 | Place 9" Type II Aggregate Base | 177,408 | SF | \$ | 1.00 | \$ 177,408.00 |
| 5 | Place 3" AC20P | 177,408 | SF | \$ | 2.50 | \$ 443,520.00 |
| 6 | Shouldering | 29,568 | SF | \$ | 0.50 | \$ 14,784.00 |
| 7 | Place 24" Pipe | 500 | LF | \$ | 100.00 | \$ 50,000.00 |
| 8 | Place 24" Flared End Section | 20 | EA | \$ | 500.00 | \$ 10,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 10,000.00 | \$ 10,000.00 |
| 10 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |
| 11 | 24 space paved parking lot | 24 | EA | \$ | 2,100.00 | \$ 50,400.00 |

 Sub Total
 \$ 877,258

 Contingency (20%)
 \$ 175,452

 Engineering/CM/Testing (15%)
 \$ 131,589

 Total Estimate
 \$ 1,184,000

Wadsworth Community Center Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | Init Price | Amount |
|------|--|----------|------|-----------------|-----------------|
| 1 | Mobilization | 1 | LS | \$ 17,289.05 | \$ 17,289.05 |
| 2 | Earthwork | 1,095 | CY | \$ 8.00 | \$ 8,760.89 |
| 3 | Subgrade Preparation | 29,568 | SF | \$ 0.20 | \$ 5,913.60 |
| 4 | Place 9" Type II Aggregate Base | 25,344 | SF | \$ 1.00 | \$ 25,344.00 |
| 5 | Place 3" AC20P | 25,344 | SF | \$ 2.50 | \$ 63,360.00 |
| 6 | Shouldering | 4,224 | SF | \$ 0.50 | \$ 2,112.00 |
| 7 | Place 24" Pipe | 100 | LF | \$ 100.00 | \$ 10,000.00 |
| 8 | Place 24" Flared End Section | 4 | EA | \$ 500.00 | \$ 2,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| 10 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ 0.40 | \$ - |
| 11 | 24 space paved parking lot | 24 | EA | \$ 2,100.00 | \$ 50,400.00 |

 Sub Total
 \$ 190,180

 Contingency (20%)
 \$ 38,036

 Engineering/CM/Testing (15%)
 \$ 28,527

 Total Estimate
 \$ 257,000

Proposed Transportation Improvements



Engineer's Estimate

Capital Hill Road Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | · U | nit Price | Amount |
|------|--|----------|------|-----|-----------|-----------------|
| 1 | Mobilization | 1 | LS | \$ | 8,177.26 | \$ 8,177.26 |
| 2 | Earthwork | 274 | CY | \$ | 8.00 | \$ 2,190.22 |
| 3 | Subgrade Preparation | 7,392 | SF | \$ | 0.20 | \$ 1,478.40 |
| 4 | Place 9" Type II Aggregate Base | 6,336 | SF | \$ | 1.00 | \$ 6,336.00 |
| 5 | Place 3" AC20P | 6,336 | SF | \$ | 2.50 | \$ 15,840.00 |
| 6 | Shouldering | 1,056 | SF | \$ | 0.50 | \$ 528.00 |
| 7 | Place 24" Pipe | | LF | \$ | 100.00 | \$ - |
| 8 | Place 24" Flared End Section | | EA | \$ | 500.00 | \$ - |
| 9 | Provide Traffic Control | 1 | LS | \$ | 5,000.00 | \$ 5,000.00 |
| 10 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |
| 11 | 24 space paved parking lot | 24 | EA | \$ | 2,100.00 | \$ 50,400.00 |

 Sub Total
 \$ 89,950

 Contingency (20%)
 \$ 17,990

 Engineering/CM/Testing (15%)
 \$ 13,492

 Total Estimate
 \$ 121,000

Pyramid Lake (Grading/Maintenance Alternative)

| Item | Description | Quantity | Unit | ્રા | Jnit Price | Amount |
|----------------|---|------------------|------|-----|---------------|-----------------|
| 1 | Maintain Roadway by grading (4 times per yr for 1 yr) | 4 | EA | \$ | 20,000.00 | \$ 80,000.00 |
| | Sub Total | | | | | \$ 80,000 |
| | | Contingency (209 | %) | | | \$ 16,000 |
| | Engineering/CM/Testing (15%) | | | | \$ 12,000 | |
| Total Estimate | | | | | \$ 108,000 | |

Pyramid Lake (Paving Alternative) Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | : 1 | Unit Price | Amount |
|------|--|-----------|------|-----|------------|--------------------|
| 1 | Mobilization | 1 | ĹS | \$ | 599,232.80 | \$ 599,232.80 |
| 2 | Earthwork | 60,000 | CY | \$ | 8.00 | \$ 480,000.00 |
| ### | Subgrade Preparation | 1,626,240 | SF | \$ | 0.20 | \$ 325,248.00 |
| ### | Place 9" Type II Aggregate Base | 1,393,920 | SF | \$ | 1.00 | \$ 1,393,920.00 |
| ### | Place 3" AC20P | 1,393,920 | SF | \$ | 2.50 | \$ 3,484,800.00 |
| | Shouldering | 232,320 | SF | \$ | 0.50 | \$ 116,160.00 |
| ### | Place 24" Pipe | 1,200 | LF | 55 | 100.00 | \$ 120,000.00 |
| | Place 24" Flared End Section | 48 | EA | \$ | 500.00 | \$ 24,000.00 |
| | Provide Traffic Control | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| ### | Place 4" Solid Double Yellow Pavement Markings | 58,000 | LF | \$ | 0.40 | \$ 23,200.00 |

 Sub Total
 \$ 6,591,561

 Contingency (20%)
 \$ 1,318,312

 Engineering/CM/Testing (15%)
 \$ 988,734

 Total Estimate
 \$ 8,899,000

Proposed Transportation Improvements



Engineer's Estimate

West Pyramid Lake Road Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | · t | Jnit Price | Amount |
|------|---|----------|------|-----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 88,547.26 | \$ 88,547.26 |
| 2 | Earthwork | 6,954 | CY | \$ | 8.00 | \$ 55,631.64 |
| 3 | Remove Existing Composite Materials to 9" Depth | 160,934 | SF | \$ | 0.75 | \$ 120,700.80 |
| 4 | Subgrade Preparation | | SF | \$ | 0.20 | \$ - |
| 5 | Place 9" Type II Aggregate Base | | SF | \$ | 1.00 | \$ - |
| 6 | Place 3" AC20P | 160,934 | SF | \$ | 2.50 | \$ 402,336.00 |
| 7 | Shouldering | 26,822 | SF | \$ | 0.50 | \$ 13,411.20 |
| 8 | Place 24" Pipe | | LF | \$ | 100.00 | \$ - |
| 9 | Place 24" Flared End Section | | EA | \$ | 500.00 | \$ - |
| 10 | Place 6" Type II Agg. Base Surface | 447,322 | SF | \$ | 0.60 | \$ 268,392.96 |
| 11 | Provide Traffic Control | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| 12 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |

 Sub Total
 \$ 974,020

 Contingency (20%)
 \$ 194,804

 Engineering/CM/Testing (15%)
 \$ 146,103

 Total Estimate
 \$ 1,315,000

Hardscrabble Road Resurface

| Item | Description | Quantity | Unit | ∵. | Jnit Price | Amount |
|------|----------------|----------|------|----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 17,149.44 | \$ 17,149.44 |
| 2 | Patching (10%) | 5,069 | SF | \$ | 8.00 | \$ 40,550.40 |
| 3 | Place 3" AC20P | 50,688 | SF | \$ | 2.50 | \$ 126,720.00 |
| 4 | Shouldering | 8,448 | | \$ | 0.50 | \$ 4,224.00 |

 Sub Total
 \$ 188,644

 Contingency (20%)
 \$ 37,729

 Engineering/CM/Testing (15%)
 \$ 28,297

 Total Estimate
 \$ 255,000

Proposed Transportation Improvements



Engineer's Estimate

Pyramid Lake Scenic Byway Improvements SR 445, 446, 447

| Item | Description | Quantity | Unit | Unit Price | Amount |
|------|---|----------|------|--------------|--------------|
| 1 | Mobilization | 1 | LS | \$ 13,000.00 | \$ 13,000.00 |
| 2 | Scenic Byway Signs | 2 | EA | \$ 5,000.00 | \$ 10,000.00 |
| 3 | Roadside Turnouts with Parking for 5 Cars | 3 | EA | \$ 20,000.00 | \$ 60,000.00 |
| 4 | Signs | 1 | LS | \$ 10,000.00 | \$ 10,000.00 |
| 5 | Information Kiosk | 1 | EA | \$ 50,000.00 | \$ 50,000.00 |

 Sub Total
 \$ 143,000

 Contingency (20%)
 \$ 28,600

 Engineering/CM/Testing (15%)
 \$ 21,450

 Total Estimate
 \$ 193,000

Safety Signage

| Item | Description | Quantity | Unit | ંા | Jnit Price | Amount |
|------|------------------------|----------|------|----|------------|-----------------|
| 1 | Mobilization | 1 | LS | \$ | 1,500.00 | \$ 1,500.00 |
| 2 | Study | 1 | LS | \$ | 10,000.00 | \$ 20,000.00 |
| 3 | Roadside Warning Signs | 30 | EA | \$ | 500.00 | \$ 15,000.00 |

 Sub Total
 \$ 36,500

 Contingency (20%)
 \$ 7,300

 Engineering/CM/Testing (15%)
 \$ 5,475

 Total Estimate
 \$ 49,000

Street Lights SR427 & Old Highway 40

| Item | Description | Quantity | Unit | nit Price. | Amount |
|------|---------------|----------|------|----------------|-----------------|
| 1 | Mobilization | 1 | LS | \$ 3,200.00 | \$ 3,200.00 |
| 2 | Street Lights | 4 | EA | \$ 8,000.00 | \$ 32,000.00 |

| Total Estimate | \$ 48,000 |
|------------------------------|--------------|
| Engineering/CM/Testing (15%) | \$ 5,280 |
| Contingency (20%) | \$ 7,040 |
| Sub Total | \$ 35,200 |

Proposed Transportation Improvements



Engineer's Estimate

Valley Road Bridge Replacement Truckee River Bridge

| Item | Description | Quantity | Unit | Unit Price | Amount |
|------|--|----------|------|------------------|------------------|
| 1 | Mobilization | 1 | LS | \$ 239,300.00 | \$ 239,300.00 |
| 2 | Earthwork | 10,000 | CY | \$ 15.00 | \$ 150,000.00 |
| 3 | Reinforcing Steel | 220,000 | LBS | \$ 1.00 | \$ 220,000.00 |
| 4 | Reinforcing Steel (Epoxy Coated) | 475,000 | LBS | \$ 1.20 | \$ 570,000.00 |
| 5 | Concrete (Type AA) | 1,800 | CY | \$ 300.00 | \$ 540,000.00 |
| 6 | Concrete (Type EA) | 1,200 | CY | \$ 600.00 | \$ 720,000.00 |
| 7 | Bridge Deck Preparation and Concrete Placement | 1,600 | SY | \$ 50.00 | \$ 80,000.00 |
| 8 | Pedestrian Rail | 600 | LF | \$ 130.00 | \$ 78,000.00 |
| 9 | Place 9" Type II Aggregate Base | 10,000 | SF | \$ 1.00 | \$ 10,000.00 |
| 10 | Place 3" AC20P | 10,000 | SF | \$ 2.50 | \$ 25,000.00 |
| 11 | Protect River | 1 | LS | \$ 358,950.00 | \$ 358,950.00 |

 Sub Total
 \$ 2,991,250

 Contingency (20%)
 \$ 598,250

 Engineering/CM/Testing (15%)
 \$ 448,688

 Total Estimate
 \$ 4,038,000

Nixon Airport Single Runway with Parallel Taxiway, Building, and Parking without Lighting)

| Item | Description | Quantity | Unit | i | Unit Price | Amount |
|------|---------------------------------|----------|------|----|------------|--------------------|
| 1 | Mobilization | 1 | LS | \$ | 391,861.78 | \$ 391,861.78 |
| 2 | Earthwork | 33,342 | CY | \$ | 8.00 | \$ 266,737.78 |
| 3 | Place 9" Type II Aggregate Base | 900,240 | SF | \$ | 1.00 | \$ 900,240.00 |
| 4 | Place 3" AC20P | 815,760 | SF | \$ | 2.50 | \$ 2,039,400.00 |
| 5 | Shouldering | 84,480 | SF | \$ | 0.50 | \$ 42,240.00 |
| 6 | Place 24" Pipe | 1,000 | LF | \$ | 100.00 | \$ 100,000.00 |
| 7 | Place 24" Flared End Section | 10 | EA | \$ | 500.00 | \$ 5,000.00 |
| 8 | Pavement Marking | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| 9 | FBO Building (Office etc.) | 1,200 | SF | \$ | 150.00 | \$ 180,000.00 |
| 10 | FBO Hanger | 3,600 | SF | \$ | 100.00 | \$ 360,000.00 |

 Sub Total
 \$ 4,310,480

 Contingency (20%)
 \$ 862,096

 Engineering/CM/Testing (15%)
 \$ 646,572

 Total Estimate
 \$ 5,819,000

Wadsworth By-Pass

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 3.00 | 30 | 4 | 475,200 | 63,360 |
| Total | 3.00 | | | 475,200 | 63,360 |

Pelican Point Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 1.00 | 24 | 4 | 126,720 | 21,120 |
| Total | 1.00 | | | 126,720 | 21,120 |

Big Bend Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|---------------|--------------|-------|----------|----------|--------------|
| Road Widening | 0.79 | 24 | 4 | 100,109 | 16,685 |
| Road | 0.05 | 24 | 4 | 6,336 | 1,056 |
| Total | 0.84 | | | 106,445 | 17,741 |

Pyramid Lake Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|-----------|--------------|
| Road | 12.00 | 30 | 0 | 1,900,800 | 0 |
| Total | 12.00 | | | 1,900,800 | 0 |

Lakeview Drive

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 0.15 | 24 | 4 | 19,008 | 3,168 |
| Total | 0.15 | | - | 19,008 | 3,168 |

Warrior Point

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 1.40 | 24 | 4 | 177,408 | 29,568 |
| Total | 1.40 | | | 177.408 | 29,568 |

Wadsworth Community Center

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 0.20 | 24 | 4 | 25,344 | 4,224 |
| Total | 0.20 | | | 25.344 | 4.224 |

Capital Hill Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 0.05 | 24 | 4 | 6,336 | 1,056 |
| Total | 0.05 | | | 6,336 | 1,056 |

Pyramid Lake

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|-----------|--------------|
| Road | 11.00 | 24 | 4 | 1,393,920 | 232,320 |
| Total | 11.00 | | | 1,393,920 | 232,320 |

West Pyramid Lake Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|----------|--------------|-------|----------|----------|--------------|
| Road 010 | 1.27 | 24 | 4 | 160,934 | 26,822 |
| Road | 3.53 | 24 | 4 | 447,322 | 74,554 |
| Total | 4.80 | | | 608,256 | 101,376 |

Hardscrabble Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 0.40 | 24 | 4 | 50,688 | 8,448 |
| Total | 0.40 | | | 50,688 | 8,448 |

Nixon Airport

| | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|---------|--------------|-------|----------|----------|--------------|
| Runway | 1.20 | 60 | 8 | 380,160 | 50,688 |
| Taxiway | 1.50 | 35 | 4 | 277,200 | 31,680 |
| Parking | 0.10 | 300 | 4 | 158,400 | 2,112 |
| Total | 2.80 | | | 815,760 | 84,480 |

Proposed Transportation Improvements



Engineer's Estimate

Wadsworth By-Pass Includes 30' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ંા | Jnit Price | Amount |
|------|--|----------|------|----|------------|--------------------|
| 1 | Mobilization | 1 | LS | \$ | 322,972.27 | \$ 322,972.27 |
| 2 | Earthwork | 159,573 | CY | \$ | 8.00 | \$ 1,276,586.67 |
| 3 | Subgrade Preparation | 538,560 | SF | \$ | 0.20 | \$ 107,712.00 |
| 4 | Place 9" Type II Aggregate Base | 475,200 | SF | \$ | 1.00 | \$ 475,200.00 |
| 5 | Place 3" AC20P | 475,200 | SF | \$ | 2.50 | \$ 1,188,000.00 |
| 6 | Shouldering | 63,360 | SF | \$ | 0.50 | \$ 31,680.00 |
| 7 | Place 24" Pipe | 1,000 | LF | \$ | 100.00 | \$ 100,000.00 |
| 8 | Place 24" Flared End Section | 40 | EA | \$ | 500.00 | \$ 20,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| 10 | Place 4" Solid with 4" Dashed Yellow Pavement Markings | 15,840 | LF | \$ | 0.35 | \$ 5,544.00 |

 Sub Total
 \$ 3,552,695

 Contingency (20%)
 \$ 710,539

 Engineering/CM/Testing (15%)
 \$ 532,904

 Total Estimate
 \$ 4,796,000

Pelican Point Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ંા | Jnit Price | Amount |
|------|--|----------|------|----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 62,836.89 | \$ 62,836.89 |
| 2 | Earthwork | 10,951 | CY | \$ | 8.00 | \$ 87,608.89 |
| 3 | Subgrade Preparation | 147,840 | SF | \$ | 0.20 | \$ 29,568.00 |
| 4 | Place 9" Type II Aggregate Base | 126,720 | SF | \$ | 1.00 | \$ 126,720.00 |
| 5 | Place 3" AC20P | 126,720 | SF | \$ | 2.50 | \$ 316,800.00 |
| 6 | Shouldering | 21,120 | SF | \$ | 0.50 | \$ 10,560.00 |
| 7 | Place 24" Pipe | 250 | LF | \$ | 100.00 | \$ 25,000.00 |
| 8 | Place 24" Flared End Section | 10 | EA | \$ | 500.00 | \$ 5,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| 10 | Place 4" Solid Double Yellow Pavement Markings | 5.280 | LF | \$ | 0.40 | \$ 2.112.00 |

 Sub Total
 \$ 691,206

 Contingency (20%)
 \$ 138,241

 Engineering/CM/Testing (15%)
 \$ 103,681

 Total Estimate
 \$ 933,000

Proposed Transportation Improvements



Engineer's Estimate

Big Bend Road (Reconstruct 14 foot roadway) Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ં ા | Jnit Price | Amount |
|------|--|----------|------|-----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 94,000.51 | \$ 94,000.51 |
| 2 | Earthwork | | CY | \$ | 8.00 | \$ - |
| 3 | Subgrade Preparation | 124,186 | SF | \$ | 0.20 | \$ 24,837.12 |
| 4 | Place 9" Type II Aggregate Base | 124,186 | SF | \$ | 1.00 | \$ 124,185.60 |
| 5 | Place 3" AC20P | 106,445 | SF | \$ | 2.50 | \$ 266,112.00 |
| 6 | Shouldering | 17,741 | SF | \$ | 0.50 | \$ 8,870.40 |
| 7 | Place 24" Pipe | 50 | LF | \$ | 100.00 | \$ 5,000.00 |
| 8 | Place 24" Flared End Section | 2 | EA | \$ | 500.00 | \$ 1,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 10,000.00 | \$ 10,000.00 |
| 10 | 50 space paved parking lot | 50 | EA | \$ | 10,000.00 | \$ 500,000.00 |
| 11 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |

 Sub Total
 \$ 1,034,006

 Contingency (20%)
 \$ 206,801

 Engineering/CM/Testing (15%)
 \$ 155,101

 Total Estimate
 \$ 1,396,000

Pyramid Lake Road (grading)

| Item | Description | Quantity | Unit | i | Unit Price | Amount |
|------|---|-----------|------|----|------------|--------------------|
| 1 | Mobilization | 1 | LS | \$ | 139,448.00 | \$ 139,448.00 |
| 2 | Grade Existing Roadway | 1 | LS | \$ | 20,000.00 | \$ 20,000.00 |
| 3 | Place 6" Type II Aggregate Base | 1,900,800 | SF | \$ | 0.60 | \$ 1,140,480.00 |
| 4 | Place 24" Pipe | 1,200 | LF | \$ | 100.00 | \$ 120,000.00 |
| 5 | Place 24" Flared End Section | 48 | EA | \$ | 500.00 | \$ 24,000.00 |
| 6 | Provide Traffic Control | 1 | LS | \$ | 10,000.00 | \$ 10,000.00 |
| 7 | Maintain Roadway by grading (4 times per yr for 1 yr) | 4 | EA | \$ | 20,000.00 | \$ 80,000.00 |

 Sub Total
 \$ 1,533,928

 Contingency (20%)
 \$ 306,786

 Engineering/CM/Testing (15%)
 \$ 230,089

 Total Estimate
 \$ 2,071,000

Proposed Transportation Improvements



Engineer's Estimate

Lakeview Drive Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ં ા | Jnit Price | Amount |
|------|--|----------|------|-----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 33,511.79 | \$ 33,511.79 |
| 2 | Earthwork | 821 | CY | \$ | 8.00 | \$ 6,570.67 |
| 3 | Subgrade Preparation | 22,176 | SF | \$ | 0.20 | \$ 4,435.20 |
| 4 | Place 9" Type II Aggregate Base | 19,008 | SF | \$ | 1.00 | \$ 19,008.00 |
| 5 | Place 3" AC20P | 19,008 | SF | \$ | 2.50 | \$ 47,520.00 |
| 6 | Shouldering | 3,168 | SF | \$ | 0.50 | \$ 1,584.00 |
| 7 | Place 24" Pipe | 50 | LF | \$ | 100.00 | \$ 5,000.00 |
| 8 | Place 24" Flared End Section | 2 | EA | \$ | 500.00 | \$ 1,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 10,000.00 | \$ 10,000.00 |
| 10 | 24 space paved parking lot | 24 | EA | \$ | 10,000.00 | \$ 240,000.00 |
| 11 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |

 Sub Total
 \$ 368,630

 Contingency (20%)
 \$ 73,726

 Engineering/CM/Testing (15%)
 \$ 55,294

 Total Estimate
 \$ 498,000

Tahoe Pyramid Bikeway

| Item | Description | Quanti | ity . | Unit | ્રા | Init Price | Amount |
|------|-------------|-------------|--------|------|-----|------------|-----------------|
| 1 | Study | 1 | | LS | \$ | 50,000.00 | \$ 50,000.00 |
| | | | | | | | |
| | | Sub Total | | | | | \$ 50,000 |
| | | Contingend | y (20% | 6) | | | \$ 10,000 |
| | | Total Estin | mate | | | | \$ 60,000 |

Proposed Transportation Improvements



Engineer's Estimate

Warrior Point Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ٠ı | Jnit Price | Amount |
|------|--|----------|------|----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 79,750.72 | \$ 79,750.72 |
| 2 | Earthwork | | CY | \$ | 8.00 | \$ - |
| 3 | Subgrade Preparation | 206,976 | SF | \$ | 0.20 | \$ 41,395.20 |
| 4 | Place 9" Type II Aggregate Base | 177,408 | SF | \$ | 1.00 | \$ 177,408.00 |
| 5 | Place 3" AC20P | 177,408 | SF | \$ | 2.50 | \$ 443,520.00 |
| 6 | Shouldering | 29,568 | SF | \$ | 0.50 | \$ 14,784.00 |
| 7 | Place 24" Pipe | 500 | LF | \$ | 100.00 | \$ 50,000.00 |
| 8 | Place 24" Flared End Section | 20 | EA | \$ | 500.00 | \$ 10,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ | 10,000.00 | \$ 10,000.00 |
| 10 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |
| 11 | 24 space paved parking lot | 24 | EA | \$ | 2,100.00 | \$ 50,400.00 |

 Sub Total
 \$ 877,258

 Contingency (20%)
 \$ 175,452

 Engineering/CM/Testing (15%)
 \$ 131,589

 Total Estimate
 \$ 1,184,000

Wadsworth Community Center Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | Init Price | Amount |
|------|--|----------|------|-----------------|-----------------|
| 1 | Mobilization | 1 | LS | \$ 17,289.05 | \$ 17,289.05 |
| 2 | Earthwork | 1,095 | CY | \$ 8.00 | \$ 8,760.89 |
| 3 | Subgrade Preparation | 29,568 | SF | \$ 0.20 | \$ 5,913.60 |
| 4 | Place 9" Type II Aggregate Base | 25,344 | SF | \$ 1.00 | \$ 25,344.00 |
| 5 | Place 3" AC20P | 25,344 | SF | \$ 2.50 | \$ 63,360.00 |
| 6 | Shouldering | 4,224 | SF | \$ 0.50 | \$ 2,112.00 |
| 7 | Place 24" Pipe | 100 | LF | \$ 100.00 | \$ 10,000.00 |
| 8 | Place 24" Flared End Section | 4 | EA | \$ 500.00 | \$ 2,000.00 |
| 9 | Provide Traffic Control | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| 10 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ 0.40 | \$ - |
| 11 | 24 space paved parking lot | 24 | EA | \$ 2,100.00 | \$ 50,400.00 |

 Sub Total
 \$ 190,180

 Contingency (20%)
 \$ 38,036

 Engineering/CM/Testing (15%)
 \$ 28,527

 Total Estimate
 \$ 257,000

Proposed Transportation Improvements



Engineer's Estimate

Capital Hill Road Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ∵u | nit Price | Amount |
|------|--|----------|------|----|-----------|-----------------|
| 1 | Mobilization | 1 | LS | \$ | 8,177.26 | \$ 8,177.26 |
| 2 | Earthwork | 274 | CY | \$ | 8.00 | \$ 2,190.22 |
| 3 | Subgrade Preparation | 7,392 | SF | \$ | 0.20 | \$ 1,478.40 |
| 4 | Place 9" Type II Aggregate Base | 6,336 | SF | \$ | 1.00 | \$ 6,336.00 |
| 5 | Place 3" AC20P | 6,336 | SF | \$ | 2.50 | \$ 15,840.00 |
| 6 | Shouldering | 1,056 | SF | \$ | 0.50 | \$ 528.00 |
| 7 | Place 24" Pipe | | LF | \$ | 100.00 | \$ - |
| 8 | Place 24" Flared End Section | | EA | \$ | 500.00 | \$ - |
| 9 | Provide Traffic Control | 1 | LS | \$ | 5,000.00 | \$ 5,000.00 |
| 10 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |
| 11 | 24 space paved parking lot | 24 | EA | \$ | 2,100.00 | \$ 50,400.00 |

 Sub Total
 \$ 89,950

 Contingency (20%)
 \$ 17,990

 Engineering/CM/Testing (15%)
 \$ 13,492

 Total Estimate
 \$ 121,000

Pyramid Lake (Grading/Maintenance Alternative)

| Item Description | Quantity | Unit | : 1 | Jnit Price | | Amount |
|---|-----------------|---------|-------|------------|----|-----------|
| 1 Maintain Roadway by grading (4 times per yr for 1 yr) | 4 | EA | \$ | 20,000.00 | \$ | 80,000.00 |
| | \$ | 80,000 | | | | |
| | Contingency (20 | %) | | | \$ | 16,000 |
| | Engineering/CM/ | Testing | j (1! | 5%) | \$ | 12,000 |
| Total Estimate \$ | | | | | | 108,000 |

Pyramid Lake (Paving Alternative) Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | : 1 | Unit Price | Amount |
|------|--|-----------|------|-----|------------|--------------------|
| 1 | Mobilization | 1 | ĹS | \$ | 599,232.80 | \$ 599,232.80 |
| 2 | Earthwork | 60,000 | CY | \$ | 8.00 | \$ 480,000.00 |
| ### | Subgrade Preparation | 1,626,240 | SF | \$ | 0.20 | \$ 325,248.00 |
| ### | Place 9" Type II Aggregate Base | 1,393,920 | SF | \$ | 1.00 | \$ 1,393,920.00 |
| ### | Place 3" AC20P | 1,393,920 | SF | \$ | 2.50 | \$ 3,484,800.00 |
| ### | Shouldering | 232,320 | SF | \$ | 0.50 | \$ 116,160.00 |
| ### | Place 24" Pipe | 1,200 | LF | \$ | 100.00 | \$ 120,000.00 |
| | Place 24" Flared End Section | 48 | EA | \$ | 500.00 | \$ 24,000.00 |
| | Provide Traffic Control | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| ### | Place 4" Solid Double Yellow Pavement Markings | 58,000 | LF | \$ | 0.40 | \$ 23,200.00 |

 Sub Total
 \$ 6,591,561

 Contingency (20%)
 \$ 1,318,312

 Engineering/CM/Testing (15%)
 \$ 988,734

 Total Estimate
 \$ 8,899,000

Proposed Transportation Improvements



Engineer's Estimate

West Pyramid Lake Road Includes 24' AC with 4' AB shoulders

| Item | Description | Quantity | Unit | ٠t | Jnit Price | Amount |
|------|---|----------|------|----|------------|------------------|
| 1 | Mobilization | 1 | LS | \$ | 88,547.26 | \$ 88,547.26 |
| 2 | Earthwork | 6,954 | CY | \$ | 8.00 | \$ 55,631.64 |
| 3 | Remove Existing Composite Materials to 9" Depth | 160,934 | SF | \$ | 0.75 | \$ 120,700.80 |
| 4 | Subgrade Preparation | | SF | \$ | 0.20 | \$ - |
| 5 | Place 9" Type II Aggregate Base | | SF | \$ | 1.00 | \$ - |
| 6 | Place 3" AC20P | 160,934 | SF | \$ | 2.50 | \$ 402,336.00 |
| 7 | Shouldering | 26,822 | SF | \$ | 0.50 | \$ 13,411.20 |
| 8 | Place 24" Pipe | | LF | \$ | 100.00 | \$ - |
| 9 | Place 24" Flared End Section | | EA | \$ | 500.00 | \$ - |
| 10 | Place 6" Type II Agg. Base Surface | 447,322 | SF | \$ | 0.60 | \$ 268,392.96 |
| 11 | Provide Traffic Control | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| 12 | Place 4" Solid Double Yellow Pavement Markings | | LF | \$ | 0.40 | \$ - |

 Sub Total
 \$ 974,020

 Contingency (20%)
 \$ 194,804

 Engineering/CM/Testing (15%)
 \$ 146,103

 Total Estimate
 \$ 1,315,000

Hardscrabble Road Resurface

| Item | | Quantity | Unit | : t | Jnit Price | ::: | Amount |
|------|----------------|----------|------|-----|------------|-----|------------|
| 1 | Mobilization | 1 | LS | \$ | 17,149.44 | \$ | 17,149.44 |
| 2 | Patching (10%) | 5,069 | SF | \$ | 8.00 | \$ | 40,550.40 |
| 3 | Place 3" AC20P | 50,688 | SF | \$ | 2.50 | \$ | 126,720.00 |
| 4 | Shouldering | 8,448 | | \$ | 0.50 | \$ | 4,224.00 |

 Sub Total
 \$ 188,644

 Contingency (20%)
 \$ 37,729

 Engineering/CM/Testing (15%)
 \$ 28,297

 Total Estimate
 \$ 255,000

Proposed Transportation Improvements



Engineer's Estimate

Pyramid Lake Scenic Byway Improvements SR 445, 446, 447

| Item | Description | Quantity | Unit | Unit Price | Amount |
|------|---|----------|------|--------------|--------------|
| 1 | Mobilization | 1 | LS | \$ 13,000.00 | \$ 13,000.00 |
| 2 | Scenic Byway Signs | 2 | EA | \$ 5,000.00 | \$ 10,000.00 |
| 3 | Roadside Turnouts with Parking for 5 Cars | 3 | EA | \$ 20,000.00 | \$ 60,000.00 |
| 4 | Signs | 1 | LS | \$ 10,000.00 | \$ 10,000.00 |
| 5 | Information Kiosk | 1 | EA | \$ 50,000.00 | \$ 50,000.00 |

 Sub Total
 \$ 143,000

 Contingency (20%)
 \$ 28,600

 Engineering/CM/Testing (15%)
 \$ 21,450

 Total Estimate
 \$ 193,000

Safety Signage

| Item | Description | Quantity | Unit | ંા | Jnit Price | Amount |
|------|------------------------|----------|------|----|------------|-----------------|
| 1 | Mobilization | 1 | LS | \$ | 1,500.00 | \$ 1,500.00 |
| 2 | Study | 1 | LS | \$ | 10,000.00 | \$ 20,000.00 |
| 3 | Roadside Warning Signs | 30 | EA | \$ | 500.00 | \$ 15,000.00 |

 Sub Total
 \$ 36,500

 Contingency (20%)
 \$ 7,300

 Engineering/CM/Testing (15%)
 \$ 5,475

 Total Estimate
 \$ 49,000

Street Lights SR427 & Old Highway 40

| Item | Description | Quantity | Unit | nit Price. | Amount |
|------|---------------|----------|------|----------------|-----------------|
| 1 | Mobilization | 1 | LS | \$ 3,200.00 | \$ 3,200.00 |
| 2 | Street Lights | 4 | EA | \$ 8,000.00 | \$ 32,000.00 |

| Contingency (20%) | \$ 35,200 7.040 |
|------------------------------|-----------------------|
| Engineering/CM/Testing (15%) | \$ 5,280 |
| Total Estimate | \$ 48.000 |

Proposed Transportation Improvements



Engineer's Estimate

Valley Road Bridge Replacement Truckee River Bridge

| Item | Description | Quantity | Unit | Unit Price | Amount |
|------|--|----------|------|------------------|------------------|
| 1 | Mobilization | 1 | LS | \$ 239,300.00 | \$ 239,300.00 |
| 2 | Earthwork | 10,000 | CY | \$ 15.00 | \$ 150,000.00 |
| 3 | Reinforcing Steel | 220,000 | LBS | \$ 1.00 | \$ 220,000.00 |
| 4 | Reinforcing Steel (Epoxy Coated) | 475,000 | LBS | \$ 1.20 | \$ 570,000.00 |
| 5 | Concrete (Type AA) | 1,800 | CY | \$ 300.00 | \$ 540,000.00 |
| 6 | Concrete (Type EA) | 1,200 | CY | \$ 600.00 | \$ 720,000.00 |
| 7 | Bridge Deck Preparation and Concrete Placement | 1,600 | SY | \$ 50.00 | \$ 80,000.00 |
| 8 | Pedestrian Rail | 600 | LF | \$ 130.00 | \$ 78,000.00 |
| 9 | Place 9" Type II Aggregate Base | 10,000 | SF | \$ 1.00 | \$ 10,000.00 |
| 10 | Place 3" AC20P | 10,000 | SF | \$ 2.50 | \$ 25,000.00 |
| 11 | Protect River | 1 | LS | \$ 358,950.00 | \$ 358,950.00 |

 Sub Total
 \$ 2,991,250

 Contingency (20%)
 \$ 598,250

 Engineering/CM/Testing (15%)
 \$ 448,688

 Total Estimate
 \$ 4,038,000

Nixon Airport Single Runway with Parallel Taxiway, Building, and Parking without Lighting)

| Item | Description | Quantity | Unit | ંા | Unit Price | Amount |
|------|---------------------------------|----------|------|----|------------|--------------------|
| 1 | Mobilization | 1 | LS | \$ | 391,861.78 | \$ 391,861.78 |
| 2 | Earthwork | 33,342 | CY | \$ | 8.00 | \$ 266,737.78 |
| 3 | Place 9" Type II Aggregate Base | 900,240 | SF | \$ | 1.00 | \$ 900,240.00 |
| 4 | Place 3" AC20P | 815,760 | SF | \$ | 2.50 | \$ 2,039,400.00 |
| 5 | Shouldering | 84,480 | SF | \$ | 0.50 | \$ 42,240.00 |
| 6 | Place 24" Pipe | 1,000 | LF | \$ | 100.00 | \$ 100,000.00 |
| 7 | Place 24" Flared End Section | 10 | EA | \$ | 500.00 | \$ 5,000.00 |
| 8 | Pavement Marking | 1 | LS | \$ | 25,000.00 | \$ 25,000.00 |
| 9 | FBO Building (Office etc.) | 1,200 | SF | \$ | 150.00 | \$ 180,000.00 |
| 10 | FBO Hanger | 3,600 | SF | \$ | 100.00 | \$ 360,000.00 |

 Sub Total
 \$ 4,310,480

 Contingency (20%)
 \$ 862,096

 Engineering/CM/Testing (15%)
 \$ 646,572

 Total Estimate
 \$ 5,819,000

Wadsworth By-Pass

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 3.00 | 30 | 4 | 475,200 | 63,360 |
| Total | 3.00 | | | 475,200 | 63,360 |

Pelican Point Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 1.00 | 24 | 4 | 126,720 | 21,120 |
| Total | 1.00 | | | 126,720 | 21,120 |

Big Bend Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|---------------|--------------|-------|----------|----------|--------------|
| Road Widening | 0.79 | 24 | 4 | 100,109 | 16,685 |
| Road | 0.05 | 24 | 4 | 6,336 | 1,056 |
| Total | 0.84 | | | 106,445 | 17,741 |

Pyramid Lake Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|-----------|--------------|
| Road | 12.00 | 30 | 0 | 1,900,800 | 0 |
| Total | 12.00 | | | 1,900,800 | 0 |

Lakeview Drive

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 0.15 | 24 | 4 | 19,008 | 3,168 |
| Total | 0.15 | | - | 19,008 | 3,168 |

Warrior Point

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 1.40 | 24 | 4 | 177,408 | 29,568 |
| Total | 1.40 | | | 177.408 | 29,568 |

Wadsworth Community Center

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 0.20 | 24 | 4 | 25,344 | 4,224 |
| Total | 0.20 | | | 25.344 | 4.224 |

Capital Hill Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 0.05 | 24 | 4 | 6,336 | 1,056 |
| Total | 0.05 | | | 6,336 | 1,056 |

Pyramid Lake

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|-----------|--------------|
| Road | 11.00 | 24 | 4 | 1,393,920 | 232,320 |
| Total | 11.00 | | | 1,393,920 | 232,320 |

West Pyramid Lake Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|----------|--------------|-------|----------|----------|--------------|
| Road 010 | 1.27 | 24 | 4 | 160,934 | 26,822 |
| Road | 3.53 | 24 | 4 | 447,322 | 74,554 |
| Total | 4.80 | | | 608,256 | 101,376 |

Hardscrabble Road

| Road | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|-------|--------------|-------|----------|----------|--------------|
| Road | 0.40 | 24 | 4 | 50,688 | 8,448 |
| Total | 0.40 | | | 50,688 | 8,448 |

Nixon Airport

| | Dist (Miles) | Width | Shoulder | SF(Road) | SF(Shoulder) |
|---------|--------------|-------|----------|----------|--------------|
| Runway | 1.20 | 60 | 8 | 380,160 | 50,688 |
| Taxiway | 1.50 | 35 | 4 | 277,200 | 31,680 |
| Parking | 0.10 | 300 | 4 | 158,400 | 2,112 |
| Total | 2.80 | | | 815,760 | 84,480 |



Pyramid Lake Paiute Tribal Council

Post Office Box 256 Nixon, Nevada 89424 Telephone: (775) 574-1000 / 574-1001 / 574-1002 FAX (775) 574-1008

RESOLUTION NO.: PL 60-18

RESOLUTION OF THE TRIBAL COUNCIL OF THE PYRAMID LAKE PAIUTE TRIBE NIXON, NEVADA

- WHEREAS, the Pyramid Lake Paiute Tribe is organized pursuant to the provisions of Section 16 of the Indian Reorganization Act (25 U.S.C. Section § 476) and is federally recognized by the United States Government through the Secretary of the Interior and the Bureau of Indian Affairs; and
- WHEREAS, The Pyramid Lake Paiute Tribe receives Tribal Transportation Program (TTP) funding through a Program Agreement for planning projects including the Long Range Transportation Plan (LRTP); and
- WHEREAS, The Pyramid Lake Paiute Tribe has an existing Long Range Transportation Plan dated 8/2/2011 and desires to update this plan;
- WHEREAS, The Pyramid Lake Paiute Tribe desires to add the Transit Facility Project and the Wadsworth Complete Streets Project to our Long Range Transportation Plan;

NOW, THEREFORE BE IT RESOLVED, that the Pyramid Lake Paiute Tribal Council hereby approves the attached Pyramid Lake Paiute Tribe - Long Range Transportation Plan dated 5/10/18 which includes the addition of the Transit Facility Project and the Wadsworth Complete Streets Project replacing any previous Long Range Transportation Plan.

BE IT FURTHER RESOLVED, that this Long Range Transportation Plan dated 5/10/18 be submitted to the Bureau of Indian Affairs for inclusion in the BIA Transportation system.

CERTIFICATION

It is hereby certified that the foregoing resolution of the Pyramid Lake Paiute Tribal Council, governing body of the Pyramid Lake Paiute Tribe, composed of ten members, of whom eight (8) constituting a quorum were present at a meeting duly held on the 17th day of May, 2018 was adopted by the affirmative vote of six (6) for and zero (0) against and zero (0) abstentions pursuant to the authority contained in the Constitution and By-Laws of the Pyramid Lake Paiute Tribe.

Brenda A. Henry, Tribal Secretary

Pyramid Lake Paiute Tribal Counci

Pyramid Lake Paiute Tribal Council

Post Office Box 256
Nixon, Nevada 89424
Telephone: (775) 574-1000 / 574-1001 / 574-1002
FAX (775) 574-1008
RESOLUTION NO.: PL 61-18

RESOLUTION OF THE TRIBAL COUNCIL OF THE PYRAMID LAKE PAIUTE TRIBE NIXON, NEVADA

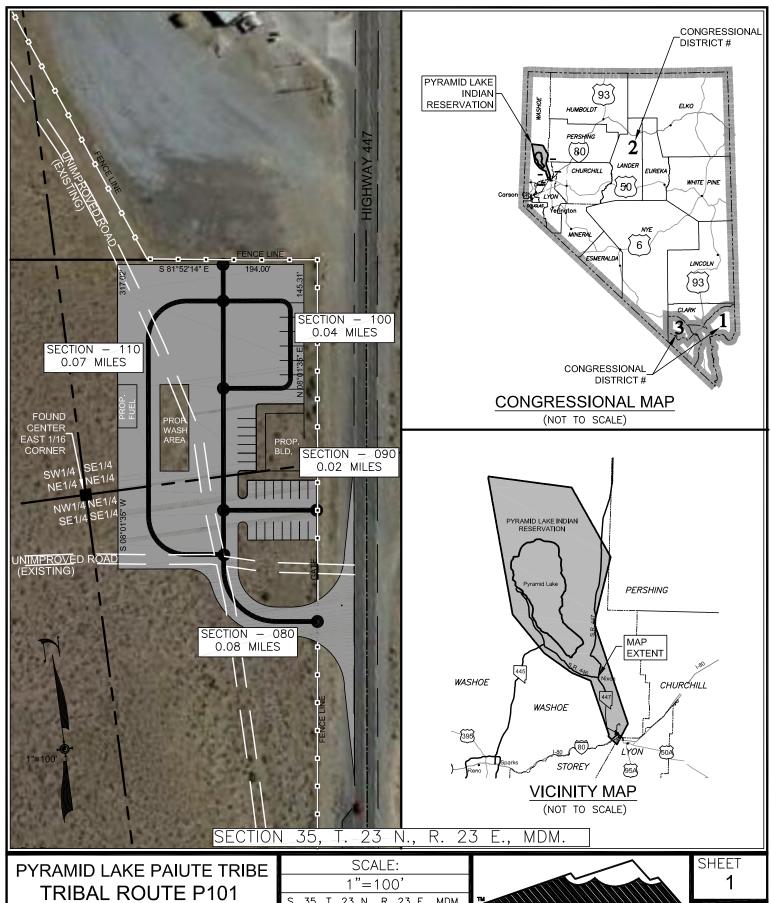
- WHEREAS, the Pyramid Lake Paiute Tribe ("Tribe"), is organized pursuant to the Provisions of Section 16 of the Indian Reorganization Act (25 U.S.C. 476) and is a Federally Recognized by the United State Government through the Secretary of the Interior to negotiate with Federal, State and local governments; and
- WHEREAS, the Pyramid Lake Paiute Tribe, has an UPDATED Long Range Transportation Plan (LRTP), dated May 10, 2018and approved by Tribal Resolution PL 0-18, that contains transportation goals and objectives for the Pyramid Lake Indian Reservation; and
- WHEREAS the goals and objectives in the LRTP include: the improvement of parking areas for all Tribal public facilities, including community centers, schools and administrative offices; and
- WHEREAS, the Tribe was recently awarded \$1.5 million dollars to construct a transit facility including Parking Lot and Access Road; and
- WHEREAS, the Pyramid Lake Paiute Tribe plans to construct the Transit Facility, which will require the addition of the parking area and access road; and desires to add these proposed parking areas as Route P101 Sections 80; and,
- WHEREAS, a field inventory has been completed, and the required documents prepared, to add 0.21 miles of proposed access road and parking lot as Tribal Route P101, Sections 80 in the National Tribal Transportation Facilities Inventory (NTTFI).
- **NOW THEREFORE BE IT RESOLVED** that the Pyramid Lake Paiute Tribal Council hereby approves updating the Tribe's NTTFI to include the addition of Tribal Route P101, Sections 080, and authorizes the submission of required inventory update documents to facilitate this change.
- **BE IT FURTHER RESOLVED** that the Pyramid Lake Tribal Council hereby authorizes the Bureau of Indian Affairs Western Regional Office to take the necessary action needed to update the NTTFI database to incorporate Tribal Route P101, Section 80.
- **BE IT FINALLY RESOLVED** that the Tribal Chairman or his designee is hereby authorized to implement all administrative functions necessary to carry out the intent of this Resolution.

CERTIFICATION

It is hereby certified that the foregoing resolution of the Pyramid Lake Paiute Tribal Council, governing body of the Pyramid Lake Paiute Tribe, composed of ten members, of whom *eight (8)* constituting a quorum were

present at a meeting duly held on the <u>17th</u> day of <u>May</u>, 2018 was adopted by the affirmative vote of <u>seven (7)</u> for and zero (0) against and zero (0) abstentions pursuant to the authority contained in the Constitution and By-Laws of the Pyramid Lake Paiute Tribe.

> Brenda A. Henry, Tribal Secretary Pyramid Lake Paiute Tribal Council



SECTIONS 080-110

S. 35, T. 23 N., R. 23 E., MDM. Copyright SUMMIT ENG 2018

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