DETAILS SHOW MANY CONTRACTS LET BY STATE COMMISSION; ACTIVITIES OF PAST TWO YEARS REVEALED IN TABULATION

Highway Awards Include Those on Pacific, The Dalles-California, Columbia River, West Side Yamhill-Nestucca, Portland-Forest Grove-McMinnville, Coast, Coos Bay-Roseburg, Oregon-Washington and Other Important Roads.

PACIFIC HIGHWAY. County and Section-Canby-Aurora, grading 3.77 miles, W. B. Tuil; part completed....
Molalla river bridge, Portland Bridge Co.; started....
Marion—Aurora-Gervals, type D. paving, 10.7 miles, Oskar Huber;

started Bordner and Wain hills, graveling and surfacing, 1.2 miles, county nn-Santiam river approaches, trestle, county court; completed.... Jefferson-Albany, grading and type D paving, 6.9 miles, A. D.

Pass creek, concrete bridge, Albert Anderson Sand creek, concrete bridge Leona-Drain, grading and macadam, 3.25 miles, Albert Anderson; Started
Drain-Yoncalla, grading, 5 miles, H. J. Hildeburn; started.....
Drain-Yoncalla, grading and macadam, 8.5 miles, A. Anderson; Canyonville-Galesville, unit No. 2, grading, 1 mile, J. Elmer Netson; part completed
Canyonville-Galesville, macadam, 11 miles, Warren Construction Co.
Johns-Jaques, grading and macadam, 7.2 miles, Joplin & Eldon.
Cow creek bridge, Union Bridge Co.
Stage Road pass, grading, 2.5 miles, John Hampshire & Co.
Stage Road pass, macadam, 2.5 miles, Joplin & Eldon.
Stage Road pass, bridges, Union Bridge Co.
Sephine—Stage Road pass-Wolf Creek, grading, 4.5 miles, Joplin & Eldon

4.114 Stage Road pass-Wolf Creek, macadam, 4.5 miles, Warren Con-Wolf Creek-Grave Creek, bitulithic paving, 4.9 miles, Warren Con-THE DALLES-CALIFORNIA HIGHWAY.

Wasco-The Dalles-Three-mile, bitulithic paving, 2 miles, United Con-Huber

Bend-Allen ranch, grading, 17.1 miles, Oskar Huber.

Klamath—Algoma section, grading and surfacing, 8.92 miles, Oskar Huber Klamath Falls-Merrill, grading and macadam, 14.68 miles, Oskar Huber Merrill-California line, grading and macadam, 12.8 miles, Oskar Huber COLUMBIA RIVER HIGHWAY.

Clatsop-Astoria-Seaside hydraulic fill, Port of Astoria. 10,000 .. 149,426 struction Co.; not started

Hood River—Cascade Locks-Hood River, bitulithic paving, 22.3 miles,

The Dalles-Seufert, bitulithic paving, 2 miles, United Contracting Seufert, grading and paving, 5 mlie, United Contracting Co..... OREGON POSSESSES VAST TIMBER RESOURCES

By Lewis A. McArthur. because plans are occasionally Wasco-Sherman-Deschutes river, bridge, Lindstrom & Feigenson. 70,000 ETAILS of the many contracts changed during the progress of the Sherman-Deschutes river-John Day river, grading, 14.7 miles, Porter DETAILS of the many contracts changed during the progress of the work.

In a construction were contracts of the many contracts work.

Details of the many contracts changed during the progress of the work.

The table by the state highway commission during the past two years are shown in the following table, which includes the jobs let by local authorities, such as jobs let by local authorities, such as the four-mile section of hard-surface between Astoria and Olney, in Clatsop instances the final costs of the various sections of highway will differ considerably from the figures shown on account of the fact that it is impossible to determine in advance the exact nature of the material encountered in construction work, and also the construction work was available to determine in construction work, and also the construction work was available to determine the past two construction of the fact that it is impossible to determine in advance the exact nature of the material encount to the progress of the work was available to destruct particle paving and construction tunnel, A. Guthrie & Co.

41,870

Gilliam—John Day river, bridge, Portland Bridge Co.

24,500

Gilliam—John Day river, Bialock, grading, 15 miles, Oskar Huber.

24,500

Sherman-Glillam—John Day river, Bialock, grading, 15 miles, Johnson Construction Co.

218,585

Gilliam Tohn Day river, Bialock, grading, 15 miles, Johnson Construction & Construction of the fact has the four-mile section of hard-surface between Astoria and

Coherete bridges 19,420

1 48,906 Newberg-West Dayton, grading and macadam, 6.2 miles, E. E.

Cummins 38,493

43,072 West Dayton-McMinnville, grading, 5 miles, Palmer & Young 67,975

34,401 Yamhill-Polk—Amity-Holmes gap, bitulithic paving, 8.3 miles, Oregon

Independent Paving Co.; started 244,170

Amity-Holmes gap, bridges, state 17,470

230,547 Polk—Rickreall-Monmouth-Independence, bitulithic paving, 8.3 miles,
Warren Construction Co.; nearly completed 204,122

Benton county line north, grading and bitulithic paving, 1.5 miles,
Oskar Huber 31,635

92,445 Benton—Polk county line-Corvailis, bitulithic paving, 10.5 miles,
Oskar Huber; part completed 324,260

Monroe north, grading and bitulithic paving, 9 miles, Pacific 123,008

Bridge Co.; started 214,368

Monroe-Lane county line, grading and macadam, 3.2 miles, county court; completed. 33,080 miles; completed YAMHILL-NESTUCCA HIGHWAY.

Yamhill-McMinnville-Bellevue, bitulithic paving, 8 miles, V, R. Den-Grand Ronde, grading and macadam, W. W. Trent; nearly com-Bee Ranch, grading and macadam, 10.3 miles, Elliott & Scroggin; completed
Tillamook—Three Rivers, grading and macadam, 10.3 miles, state; 57.661 PORTLAND-FOREST GROVE-MCMINNVILLE HIGHWAY.

COAST HIGHWAY. Tillamook-Hemiock-Beaver, bitulithic paving, 5 miles, Warren Con-

COOS BAY-ROSEBURG HIGHWAY. Coos-Douglas-Remote-Camas Valley, grading, 14.2 miles, John Hampshire Polk—Dallas-Salem, grading and bitulithic paving, 13.1 miles, Oskar
Huber: quarter completed Polk—Dallas-Salem, grading and blanch by the property of the p

county court 63,440 CRATER LAKE HIGHWAY Huber PRINEVILLE-CROOKED RIVER ROAD. Crook-Prineville-Davis ranch, grading, 31.85 miles, A. Guthrie & Co.. 199,588 OREGON TRAIL. Umatilia-Pendleton-Cabbage hill, grading and gravel, Clifton Ap-

BAKER-CORNUCOPIA HIGHWAY.

124,422 Baker-Baker-Middle bridge, grading, 18 miles, J. A. Haskins...
Canyon section, grading, 4.4 miles, Morrison & Knudsen Co. Sag section, grading and graveling, 4.7 miles, Morrison & Knudsen Co.... 52,784 sen Co.....

Wheeler—Butte Creek section, grading, 9.5 miles, J. H. Ciarkson. 47,743
Service Creek Summit, macadam, 1.7 miles, Copenhagen Bros. 11,629
Spring section, grading, Copenhagen Bros. 183,869
John Day river, bridge, J. F. Clarkson. 17,885
Wheeler-Grant—Unit No. 2. Service Creek-Valades ranch, grading, 12.5 miles, J. H. Clarkston 12.5 miles, J. H. Clarkston 156,934
Unit No. 3, grading, 12 miles, J. H. Clarkston 155,536
Unit No. 4, grading, 11.45 miles, A. D. Kern. 154,561
Grant—John Day-Fish Creek, grading and graveling, 7.2 miles, A.
D. Kern 111,264

OREGON-WASHINGTON HIGHWAY.

Marion—Heppner-Gilliam county line, grading, 35 miles, Oskar Huber 146,493

Umatilla—Blakeley-Athena, bitulithic paving, 9 miles, Warren Construction Co.; completed

Athena-Milton, bitulithic paving, 11.8 miles, Warren Construction Co.; started

Top Co.; started

254 Hawthorne Avenue

turns and glues well and takes a high been developed and it is a question polish. Specific uses are for archery of supplying them by the small op-260,970 Construction Co.; completed ... LA GRANDE-ENTERPRISE HIGHWAY.

LAPINE-LAKEVIEW HIGHWAY. KLAMATH FALLS-LAKEVIEW HIGHWAY.

Klamath-Klamath Falls-Dairy, grading and macadam, 13.91 miles, Deschutes-Lake-Grading

GRANTS PASS-CRESCENT CITY HIGHWAY. 19,355 Josephine-Grading, 2.3 miles

from 18 to 30 inches. The wood is uniformly reddish brown in color. It in fine grained, compact and hard. It Worn Tires

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polish. Specific uses are for archery of supplying them by the small opbows, broom handles, columns, furni- erator. ture, interior work, pack saddles, pul- This territory is in need of all kinds

leys, tunery of panel stock. Veneered oak or alder
These several species constitute the panels or cores, could be furnished most frequently used hardwoods of the local industries at a lower figure the state. The main difficulty in the than the eastern oak panels with popway of greater exploitations is the lar or cottonwood cores. Alder is fact that the supply of raw material readily turned, and it makes good is not available in large pure stands, clothes pins, but now no plant in this Y. but scattered along the rivers and country is making alder pins for the 3.91 miles, bottoms. On the other hand, because local market. The center of the 148,008 it occurs in this manner, it offers an American toy industry is Pennsyl excellent opportuaity for the farmer vania. The wood consumed in this or the small operator to produce a line of endeavor approximates 29,000,-merchantable product at a price that 000 feet annually; maple, birch, popassists the land-clearing problem. lar, cottonwood, are most commonly The market for these hardwoods has used.



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This is the Home of a million parts; corner of Broadway and Flanders. If you drive a car take half an hour and drop in at

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Special sale of both used and new parts.

These hardwoods occur in similar commends it for pulleys and broom locations to those of the middle west, on the better land, along rivers, creeks on the supply warrants the establishment of sawmills and even restant from 18 to 18 to

than any other state in the having softwood forests, but the fact dies, insulator pins, saddles, vehicle Union. The three coast states of Call- remains that a considerable supply parts. fornia, Oregon and Washington con- of oak, ash, maple and alder is ob-

Forests Are Mainly of Soft Woods and Evergreens, Including Yellow Pine, Douglas Fir, Spruce, Hemlock

and Red Cedar-Northwest Only Great Remaining Forest District in Union.

W ITHIN the boundaries of Ore- lake states is the record noted, are for baskets, boats (frames, ribs,

fornia, Oregon and Washington contain 37 per cent of all merchantable standing timber of the United States.

The distribution of this resource is woods in the middle west. Little is necessary to be said regarding the board feet; Oregon, 452,000,000,000; Washington, 263,374,574,851.

These forests are mainly soft woods or evergreens. East of the Cascade mountains, western yellow pine preforminates, while west of their barrier Douglas fir, spruce, western hemilock and western red cedar are the on the better land, along rivers, creeks Oregon maple, commonly known as handles, for in use it must wear smoothly. Specific uses are for baskets, boat finish, rollers, fixtures, furniture, handles, interior work, pulleys, saddles, tent toggles, trunk slats.

Oregon ash is an excellent substitute for eastern ash. It is found scattered with the ock and manifester.

Portland, Or. hone Broadway 4119.