## AGGRESSIVE ORGANIZATION SPEEDS WORK SEVEN-YEAR TASK CROWDED INTO THREE

Herbert Nunn, State Highway Engineer, and Staff, Backed by Commission, Make Wonderful Record in Construction of Oregon's Great System of Good Roads.

By S. Benson, Chairman State Highway

THE Oregon state highway system totals 4217 miles. Contracts have been awarded and work is under way for the construction and improvement of 1531.3 miles, over onethird of the total mileage. The work under contract, including engineering and contingencies and all post and forest road projects, totals \$21,468,-

The energies of the state highway department have been directed to the improvement of roads of primary importance, such as the Pacific, Columbia and The Dalles-California high-

The Pacific highway, totaling 352 miles, is completed or under contract for either grading or surfacing for its entire distance, and by the end of the summer of 1320 travelers will be en-abled to journey from the Washington boundary to the California line over

a road of approved construction.

The Columbia river highway is completed or under construction from Pendleton to "Astoria, a distance of 360 miles, with the exception of a gap of 14 miles between Seuferts and the Deschutes. Contracts have been awarded for hard-surfacing the highway from Hood River to Astoria, a distance of 175 miles, and it will be completed early in the summer of

dition to the work on these main arteries, construction and improvement of highways is going on in every section of the state.

Ing the coming season.

The projects now under contract cover, if not in entirety, some part tion of the state.

SUMMARY OF HIGHWAY WORK TO NOVEMBER 15, 1919, IN-CLUDING PARK AND FOREST, READS. 48.4 69.5 14.6 824.5 \$17,887,177,88 1,788,717,78 1,788,717,78

Teel Project Gets

Fine Start in 1919

Umatilia Irrigation Work Will Benefit 16,500 Acres of Fertile Oregon Land.

N IRRIGATION, the year just end.

energetically that seven years' pro- funds for the counties to improve gramme has been crowded into three. local roads. The bill provides for a Approximately 40 per cent of the mill tax and will yield approximately work under contract, owing to lim- \$1,900,000, as the counties are comited season when this work can be pelled to match the sum that may be applied for, it will mean an annual expenditure of \$2,000,000 for the improvement of county roads. done, has been completed, but as con-Of the 342 miles of The Dalles-Cal- tractors have their camps established ifornia highway, 119.9 miles are un- and their equipment installed, the der contract for improvement. In ad- work will proceed very rapidly dur-

When the law creating the present Elimination of railroad crossings, rehighway commission was passed in duction of excessive grades, widening 1917, Oregon was far behind the other Pacific coast states in road improve- of impassable stretches is part of the ment and the commission concluded programme mapped out by the high-to push this form of development way department, and the results ob-with all the power and energy at its tained in the short period of the deof the county, will cost in the neigh-borhood of \$1,300,000.

This project is, in substance, a plan to divert water from Camas creek through the Blue mountains by means of an 18-mile canal and a 12,341-foot tunnel, emptying it into Butter creek, from whence it will be piped to a storage reservoir to irrigate more than 16,000 acres of the best land in Imatilia county south and west of

OF RAW SCENIC MATERIAL FOR TOURISTS Federal Forest Service Takes Hand in Development of Vast Resources So Beautiful as to Need No Embellishment - Transportation and Accommodation Are Declared Sole Needs.

OREGON HAS MANY MILLIONS OF ACRES

Imatilia county, south and west of the town of Echo. Nine hundred and thirty thousand dollars' worth of bonds have been certified by the state and issued, the money to be drawn as needed. On the completion of the first prompted the work, further financing with other organities to be taken up.

The forests and the mountains here to enrich the state and the large preservation which first prompted the mountains here to enrich the state and the large preservation which first prompted the plan of collecting campers together the scenic resources of the west ably when forest products will be Every camper carries more or less and issued. On the completion of the first prompted the mountains here to enrich the state and the large preservation which first prompted the plan of collecting campers together that the forest service has been bringing the highest market values.

The federal service has taken up the forest products will be as a safety factor in fire control.

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The federal service has taken up debris which he does not take back.

The large public campers together the scenic resources of the west ably when forest products will be as a safety factor in fire control.

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peeded. On the completion of the first forced to take a hand in their deunit of the work, further financing with other organics is to be taken up.

Diversion Dam Completed.

The diversion dam on Camas creek was completed October 22. The immense tunnel, about four feet in diameter, which is being bored from both ends and 20 feet each day far gent and the problem of seenic highways.

The three pollen of seenic highways and care of this, which makes for eightling care care of this, which makes for eightling the past few seas and sanitation. Everything has pound to tend to the public highways.

An orgon slone has millions of acres to the early sanitation of the boutons, which is being bored through solld rock, is being worked from both ends and 20 feet each favor and will carry five feet of wide on the bottom. In the memory of the public highway.

The transport of the said sanitation. Everything has part of the said sanitation. Everything has part of the way of extended by the outdoor lover.

An orgon slone has millions of acres to the care of the makes for eightling the said sanitation. Everything has care of the makes and sanitation. Everything has care of the most accent the leaving of sufficient care of the makes and sanitation. Everything has care of the most accent the leaving of sufficient care of view each of the ma

of a summer home survey in a cer-tain location, a layout map showing topography and landscape features is the first requisite. Lots are then fitted to suit the conditions, each being roomy snough to include a good building site and sufficient space to avoid crowding. A larger area is fitted with road surveys to best ac-commodate it before any lots are sur-veyed. In these cases, adequate veyed. In these cases, adequate wafer systems are also planned for the area as a whole, so that the com-munity may co-operate if desired on a public water supply.

Sanitary regulations are strict, but not burdensome in the way of ex-

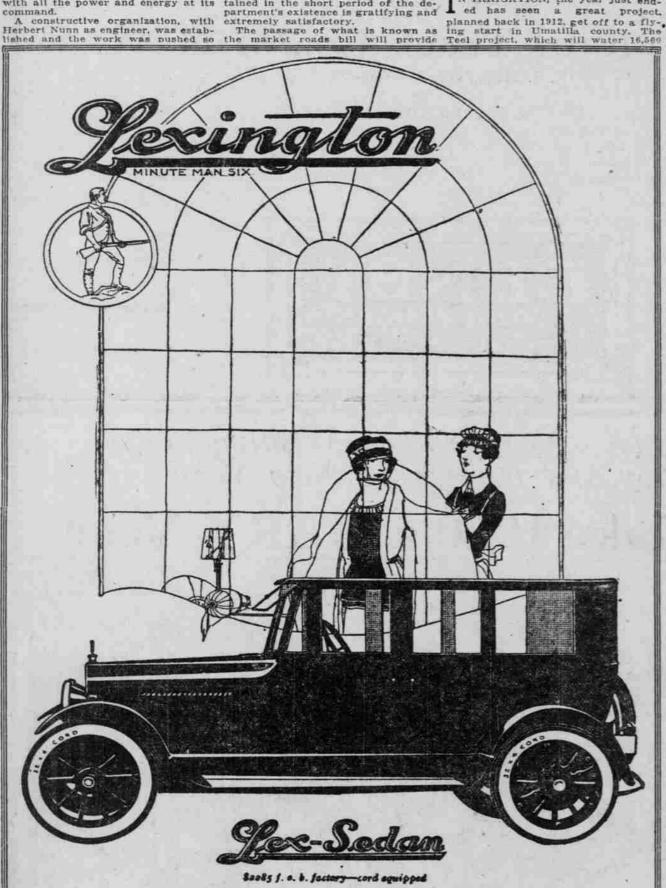
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