

# ROAD BUILDING

## LOCAL ROADS FOR LONG HAUL

Highways Now Being Improved Should Be Designed to Care for Increase in Traffic.

(Prepared by the United States Department of Agriculture.)

The United States is now in a period of great highway development, and in a few years many roads, which now carry only local traffic originating largely within five or ten miles of the road, will be carrying a large percentage of through traffic, much of it coming from outside the state. This is the opinion of officials of the bureau of public roads, United States Department of Agriculture, based upon the report of two traffic censuses taken by the bureau in co-operation with the state highway department of Connecticut.

The roads selected were part of a fairly complete system of highways. The first census showed an average of 2,907 passenger cars and 281 trucks passing the recording station a day; and the second, 3,832 cars and 511 trucks. Forty-seven per cent of the cars came from within the state. Drivers were questioned as to length of travel for the day, and results showed average figures of 70 miles and 52.4 miles for the two censuses.

The average haul for truck traffic was 47.5 miles, some of them hauling a distance of 250 miles. Officials point out that traffic of this nature has developed in a period of something like ten years on a road which prior to



A Federal-Aid Gravel Road.

1910 carried almost entirely local traffic. It must be concluded, therefore, they say, that roads which are now being improved to form part of through highway routes should be designed to take care of a great deal more than the local traffic or that which is expected to originate locally with the coming of better roads.

## MORE WAR EQUIPMENT READY

Large Amount of Lumber and Other Material Made Available for Road Construction.

Five million board feet of lumber and \$220,000 worth of other surplus war material, consisting of steam and gas engines and machine-shop equipment, all unused, recently was made available to state highway departments for road construction. The material is to be distributed by the bureau of public roads, United States Department of Agriculture, as were large quantities which were helpful to many states in road building last season. Most of the lumber was intended by the army for the construction of a pier at Charleston, S. C., and is suitable for highway bridges. The machinery and equipment are stored as ordnance supplies at the Picatinny arsenal, Dover, Del. This material is particularly in demand and an allotment has been requested by each of the 48 states.

## FRENCH ROADS BROKE

Some persons have pointed to the macadam roads of France as the type of roads that America should adopt. Yet these persons have, perhaps, not thoroughly investigated present conditions. These roads, which have been a matter of pride to France for centuries, are all maintained by patrolmen. Each man devotes his time the year around to the keeping up of a few hundred yards of roadway. But, even so, these roads wear to pieces when heavy traffic was put on them during the war. These roads were built for horse and foot traffic, and served that purpose very well, but motor lorries, guns, etc., cut up these roads quickly.

## Prevent Road Destruction.

In a campaign to prevent destruction of the highways by overland vehicles, the state department of public works of Massachusetts has inspectors stationed on all of the important traffic routes in the state for the purpose of weighing the loads of motor trucks.

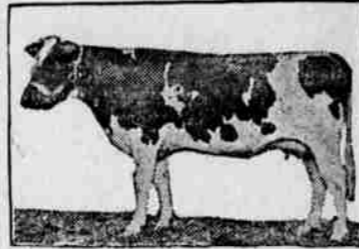
Money Spent for Roads. During 1921 \$600,000,000 was spent on highways in the United States for state, county and other roads outside of cities.

## COW TESTING BENEFITS HERD

Profitable Results Obtained by Members of Organization in Wisconsin Community.

(Prepared by the United States Department of Agriculture.)

"As members of the Cedar Grove cow-testing association for the past three and one-half years we have obtained some profitable results," writes the owner of a Wisconsin farm to a field agent of the Dairy Division of the United States Department of Agriculture. "When we started, our herd averaged 11,829 pounds of milk and 410.2 pounds of butter fat, while last year our average was 13,737 pounds of milk and 502.2 pounds of butter fat. We were encouraged by our tester to mix our rations before feeding and to milk some of our cows three times a



## Testing Association Helps Farmer to Increase the Milk Flow by Better Feeding.

day, which in one instance brought an increase in production of over 3,000 pounds of milk in the year. "Another problem our tester helped us solve was our calf feeding. He encouraged us to mix a good calf ration, and our calves have grown as much as two and one-half pounds a

day. Cow testing also showed the difference in the profits of the different cows. Some of the cows made two and one-half times as much as other individuals do. "It was through the tester's suggestion that we started in with purebred cattle in earnest, and some day we are going to have a good pure-bred herd. Another thing the testing showed us is that we had sold a registered bull to be slaughtered which had five daughters that averaged over 13,300 pounds of milk and 525 pounds of butter fat. A lesson like this one will be remembered a long time.

"Putting it in few words, our association work helped us to feed, care for, and improve our cattle and study

the results obtained.

## TESTED COW ABOVE AVERAGE

Live Stock Improvement Campaigns Effective in Increasing Dairy Production.

The average dairy cow in this country produces annually about 4,000 pounds of milk and 100 pounds of butter fat. According to 40,000 yearly individual cow records just tabulated by the United States Department of Agriculture, the average cow-testing association cow produces 5,980 pounds of milk and 246 pounds of butter fat a year. The world's records are 37,381.4 pounds of milk and 1,252 pounds of butter fat. The average dairy cow has

commendable live stock improvement campaigns as the "Better Shires—Better Stock" drive will be effective in increasing the efficiency and production of American dairy stock.

## Wedge-Shaped Cow.

The good dairy cow is wedge-shaped in two directions. She is wide in the rear and narrow in front. She is narrow on the top of the shoulders and wide between the forelegs. This shape gives room for a big heart, denoting strong arterial circulation.

## Way to Spoil Good Cow.

If you want to spoil a good cow quickly, neglect to milk her at regular hours and stripping her clean at each milking. The cow wants you to like milk well enough to take all she has.

## NOTICE OF COUNTY BUDGET MEETING

NOTICE IS HEREBY GIVEN to the legal voters and tax payers of Lincoln County, State of Oregon, that a regular term of the County Court of said County will be held at Toledo, Lincoln County, Oregon, on the 5th day of December, 1922, at 10 o'clock in the forenoon for the purpose of discussing the budget hereinafter set out with the levying board.

The total amount of money needed by the said County during the fiscal year beginning on January 1st, 1923, and ending December 31st, 1923, is estimated in the following budget and includes the amounts to be received from all sources.

## ORIGINAL ESTIMATE AND ACCOUNTING SHEET, LINCOLN COUNTY, OREGON.

This original estimate is made in compliance with Chapter 118, laws of 1921 and show in parallel columns the unit costs of the several services, material and supplies for the three fiscal years next preceding the current year, the total expenditures for the last one of said three preceding fiscal years, and the budget allowances and expenditures for the first six months of the current year.

ITEM	Estimated Expenditures for the year ending year, 1922.	Expenditures and Budget Allowances for First Six Months of 1922.		Expenditures for Three Fiscal Years Next Preceding the last year.		
		Expenditures in Detail	Budget Allowance in Detail	Actual Expenditures for Year 1921	Total Expenditures for the year 1920	Total Expenditures for the year 1919
<b>1-COMMISSIONER'S COURT:</b>						
1 Salary of Judge .....	1,200.00	600.00	600.00	1,200.00		
2 Salary and expense of Commissioners .....	1,400.00	765.72	700.00	1,489.70		
3 Expert, postage, records, etc. ....	400.00	372.35	290.00	269.70		
<b>Total .....</b>	<b>3,000.00</b>	<b>1,738.07</b>	<b>1,590.00</b>	<b>2,959.40</b>	<b>3,001.86</b>	<b>3,149.07</b>
<b>2 SHERIFF'S OFFICE.</b>						
1 Salary of Sheriff .....	1,800.00	900.00	900.00	1,800.00		
2 Salary of deputy .....	1,080.00	540.00	540.00	1,080.00		
3 Extra help collecting taxes .....	1,500.00	731.25	575.00	819.83		
4 Books, stamps, etc. ....	700.00	589.91	320.00	731.92		
<b>Total .....</b>	<b>5,080.00</b>	<b>2,770.16</b>	<b>2,335.00</b>	<b>4,531.75</b>	<b>4,398.24</b>	<b>4,697.76</b>
<b>3 DELINQUENT TAX.</b>						
1 Printing notice .....	400.00			370.82		221.50
<b>Total .....</b>	<b>400.00</b>			<b>370.82</b>		<b>221.50</b>
<b>4 CLERK'S OFFICE.</b>						
1 Salary of Clerk .....	1,250.00	625.00	625.00	1,250.00		
2 Salary of deputy .....	1,080.00	540.00	540.00	1,080.00		
3 Extra help .....	1,080.00	100.00	150.00	285.00		
4 Postage, stationery .....	150.00	53.57	75.00	69.14		
5 Records .....	350.00	215.68	175.00	200.37		
6 Blanks, supplies, etc. ....	240.00	72.38	120.00	285.93		
<b>Total .....</b>	<b>4,150.00</b>	<b>1,606.63</b>	<b>1,685.00</b>	<b>3,170.44</b>	<b>3,253.76</b>	<b>2,935.64</b>
<b>5 TREASURER'S OFFICE.</b>						
1 Salary of treasurer .....	800.00	400.00	400.00	800.00		
2 Records, postage, etc. ....	175.00	126.71	87.50	136.32		
<b>Total .....</b>	<b>950.00</b>	<b>526.71</b>	<b>487.50</b>	<b>936.32</b>	<b>883.58</b>	<b>961.91</b>
<b>6 SURVEYOR'S OFFICE.</b>						
1 Salary of surveyor .....	750.00	35.00	375.00	202.75		
2 Records, blanks, etc. ....	250.00	12.59	125.00	40.87		
<b>Total .....</b>	<b>1,000.00</b>	<b>47.59</b>	<b>500.00</b>	<b>243.62</b>	<b>313.08</b>	<b>169.18</b>
<b>7 SCHOOL SUPERINTENDENT.</b>						
1 Salary of superintendent .....	1,200.00	600.00	600.00	1,002.71		
2 Expense account .....	300.00	150.00	150.00	257.77		
3 Institute, books, etc. ....	525.00	166.24	262.50	370.27		
4 Library books .....	200.00	100.00	100.00	212.00		
<b>Total .....</b>	<b>2,225.00</b>	<b>916.24</b>	<b>1,112.50</b>	<b>1,842.75</b>	<b>1,937.78</b>	<b>1,425.61</b>
<b>8 ASSESSOR'S OFFICE.</b>						
1 Salary of assessor .....	1,200.00	600.00	600.00	1,200.00		
2 Deputy; extra help .....	2,000.00	845.00	890.00	1,774.00		
3 Records, postage, etc. ....	790.00	513.15	350.00	623.14		
<b>Total .....</b>	<b>3,990.00</b>	<b>1,958.15</b>	<b>1,840.00</b>	<b>3,597.14</b>	<b>3,846.06</b>	<b>3,438.33</b>
<b>9 DISTRICT ATTORNEY.</b>						
1 Blanks, stenographer, etc. ....	225.00		100.00	8.75		15.75
<b>Total .....</b>	<b>225.00</b>		<b>100.00</b>	<b>8.75</b>		<b>15.75</b>
<b>10 HEALTH OFFICE.</b>						
1 Salary of health officer .....	300.00	150.00	150.00	300.00		
2 Registrars, etc. ....	200.00	74.75	100.00	195.10		
<b>Total .....</b>	<b>500.00</b>	<b>224.75</b>	<b>250.00</b>	<b>495.70</b>	<b>606.36</b>	<b>234.76</b>
<b>11 COURT HOUSE.</b>						
1 Salary of janitor .....	600.00	300.00	300.00	600.00		
2 Water .....	72.00	39.00	36.00	72.00		
3 Light .....	150.00	25.84	75.00	30.64		
4 Telephones .....	200.00	101.22	90.00	199.07		
5 Fuel .....	200.00		100.00	285.75		
6 Repairs, etc. ....	1,278.00	115.36	649.00	168.41		
<b>Total .....</b>	<b>2,500.00</b>	<b>572.42</b>	<b>1,250.00</b>	<b>1,385.87</b>	<b>2,248.66</b>	<b>1,252.05</b>
<b>12 CIRCUIT COURT.</b>						
1 Jurors .....	800.00	251.50	400.00	631.45		
2 Witnesses .....	350.00		175.00	38.20		
3 Reporter bailiffs, records, etc. ....	350.00	137.72	175.00	188.45		
<b>Total .....</b>	<b>1,500.00</b>	<b>389.22</b>	<b>750.00</b>	<b>858.10</b>	<b>957.15</b>	<b>541.11</b>
<b>13 JUSTICE COURT.</b>						
1 Justice fees .....	250.00	31.30	125.00	44.45		
2 Constable fees .....	100.00	25.00	50.00	36.60		
3 Jurors .....	50.00		25.00			
4 Witnesses .....	50.00		25.00	4.00		
5 Records, etc. ....	50.00	11.35	25.00	16.25		
<b>Total .....</b>	<b>500.00</b>	<b>67.65</b>	<b>250.00</b>	<b>101.30</b>	<b>50.05</b>	<b>120.56</b>
<b>14 CORONER.</b>						
1 Salary .....	100.00	5.00	50.00	47.70		73.90
<b>15 COUNTY AGENT.</b>						
1 Salary .....	1,500.00	750.00	750.00	2,000.00		1,536.35
<b>16 CARE OF POOR.</b>						
1 Salary .....	2,500.00	1,083.98	1,600.00	2,038.31		1,731.88
<b>17 WIDOW'S PENSION.</b>						
1 Salary .....	2,000.00	802.50	1,000.00	1,620.00		1,230.00
<b>18 ELECTIONS.</b>						
1 Salary .....	1,500.00	1,350.10	1,500.00	1,437.85		2,845.11
<b>19 SCALP BOUNTY.</b>						
1 Salary .....	500.00	401.00	250.00	348.30		641.00
<b>20 JAIL.</b>						
1 Salary .....	500.00	222.70	250.00	145.18		404.35
<b>21 INSANE and FEEBLE MINDED.</b>						
1 Salary .....	100.00	60.10	50.00	171.33		43.40
<b>22 VIEWERS, AXMEN, ETC.</b>						
1 Salary .....	400.00		200.00	53.00		426.40
<b>23 TRUANT OFFICER.</b>						
1 Salary .....	50.00	24.20	25.00	47.15		34.50
<b>24 TUBERCULAR INDEMNITY.</b>						
1 Salary .....	150.00		62.50	72.49		105.00
<b>25 SEALER OF WEIGHTS AND MEASURES.</b>						
1 Salary .....	80.00	29.92	40.00	74.36		56.70
<b>26 HIGH SCHOOL.</b>						
1 Salary .....	1,500.00		750.00	4,635.84		6,639.38
<b>27 FIRE PATROL.</b>						
1 Salary .....	200.00	218.30	87.50	174.28		98.61
<b>28 TAX REBATE.</b>						
1 Salary .....	300.00	29.96	150.00	80.91		72.04
<b>29 FERRIES.</b>						
1 Salary .....	1,440.00	303.24	720.00	535.00		485.86
<b>30 EMERGENCY FUND.</b>						
1 Salary .....	2,750.00		1,375.00	819.75		38.75
<b>31 COUNTY SCHOOL.</b>						
1 Salary .....	30,000.00	5,674.10	15,000.00	23,000.00		41,660.00
<b>32 INTEREST ON WARRANTS.</b>						
1 Interest .....	300.00	151.62	150.00	2.50		
<b>33 ROADS AND HIGHWAYS.</b>						
1 Salary .....	28,886.12	12,912.87	8,914.49	37,145.49		58,665.14
<b>34 BRIDGES.</b>						
1 Salary .....	16,500.00	7,569.43	8,250.00	7,752.14		20,363.27
<b>35 ALSEA FOREST ROAD.</b>						
1 Salary .....	12,000.00		6,000.00			
<b>36 STATE INDUSTRIAL ACCIDENT COMMISSION.</b>						
1 Salary .....	600.00		300.00			
<b>INTEREST ON ROAD BONDS.</b>						
1 Interest .....		7,960.00				
<b>MARKET ROADS.</b>						
1 Salary .....		28,469.57	28,469.57	74,843.66		32,490.80
<b>STATE TAX.</b>						
1 Tax .....						22,455.00
<b>Grand Total .....</b>	<b>\$143,286.12</b>	<b>\$78,826.19</b>	<b>\$94,154.06</b>	<b>\$177,497.10</b>	<b>\$191,071.69</b>	<b>\$162,109.96</b>

I, Carl Gildersleeve, do