

\$100,000 SAVED EACH YEAR

The above sum represents the minimum saving in the cost of repairs and operation of autos and is but one item of several savings that will be effected,

BY GOOD MARKET ROADS

There are approximately 4000 autos in Marion county at present and the number is rapidly increasing.

They will average 4000 miles per car per year. Many cars average over 12,000 miles per year.

4000 cars times 4000 miles is 16,000,000 miles per year.

A company that operates over 40 cars reports that the average cost of repairs and operation of 20 Fords is 6 cents per mile

The expense of heavier cars is more of course. It is therefore safe to estimate that the 150 miles of

GOOD ROADS IN MARION COUNTY

Will effect a saving of at least one cent per mile in the cost of operating autos.

One cent times 16,000,000 miles is \$160,000 per year.

If we assume that only 62 per cent of the total mileage will be made on the improved road, then the saving will be 62 per cent of \$160,000 or \$100,000.

\$140,000 MORE SAVED EACH YEAR

At least 8,000,000 miles of the 16,000,000 miles traveled each year by the 4000 automobiles in Marion county are traveled in making business trips, over the 150 miles of road that it is proposed to improve if the Marion County Bond Issue carries at the June 3d election.

The average speed at which it is possible or advisable to travel over present roads is less than fifteen miles per hour.

8,000,000 miles divided by 25 miles equals 320,000 hours. Therefore the time saved by good roads is 600,000 hours minus 320,000 hours or 280,000 hours.

The average value of the time of business men and farmers who travel these 8,000,000 miles is over 50 cents per hour.

Therefore the value of the time that will be saved by the improvement of these 150 miles of roads will be 280,000 hours times 50 cents or \$140,000 per year.

ANOTHER SAVING OF \$184,320 PER YEAR

The average speed of a draught team is 2 miles per hour hauling a load of 3000 pounds over the present roads. The average cost per hour for team and driver is Sixty cents.

Therefore for a 1 mile haul, which is a 2 mile round trip, the cost per ton is 60 cents divided by 3000 pounds and multiplied by 2000 pounds or 40 cts. per ton.

If the roads are improved at least 5000 pounds can be hauled and the cost per ton will be 60 cents divided by 5000 and multiplied by 2000 lbs. or 24 cts. per ton. The saving would then be 40 cents minus 24 cents or 16 cents.

There are 25 shipping points on the 150 miles of roads which it is proposed to improve and, therefore the theoretical average haul is 150 divided by 25 or 6 miles. However, a large part of the tonnage is grown near the shipping points and to be conservative we will assume that the average haul is only 3 miles.

If only the tonnage from 1 mile on each side of the 150 miles of road or 300 square miles is hauled over the roads and the tonnage per acre is 2 tons, then the total tonnage will be

300 square miles times 640 acres per square mile times 2 tons per acre or 384,000 tons.

The ton miles will be 384,000 tons times 3 miles or 1,152,000 ton miles.

The saving will, therefore, be 1,152,000 times or 16 cents per ton mile

\$184,320 Saved Per Year

THE TOTAL OF THE THREE SAVINGS SHOWN ABOVE IS \$424,320 PER YEAR IF THE MARION COUNTY ROAD BOND ISSUE CARRIES on JUNE 3d

VOTE 316 X YES and 318 X YES

Marion County Market Roads Committee