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STATE OF ARKANSAS

FIFTH BIENNIAL REPORT

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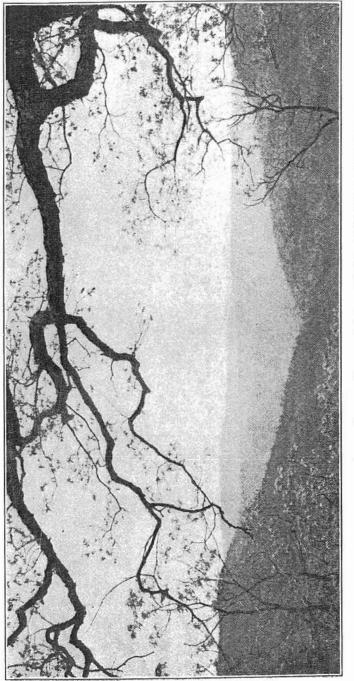
Department of State Lands, Highways and Improvements



For the Period Ending June 30, 1922

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Press of H. G. Pugh & Co. Little Rock



Russellville-Harrison Road in the Southern part of Newton County and illustrates the wonderful scenery to be found by the auto Many of the principal highways of Arkansas traverse the mountainous regions. This picture was taken from a point on the traveler.

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STATE HIGHWAY COMMISSION

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LETTER OF TRANSMITTAL.

To the Governor and the General Assembly of the State of Arkansas:

In compliance with Act No. 7 of the Acts of 1921, we submit herewith the Fifth Biennial Report of the Department of State Lands, Highways and Improvements for the year 1921 and the first six months of the year 1922.

Your particular attention is invited to the general summary of our recommendations on maintenace, road improvement district laws, motor vehicle and gasoline taxes and the collection of same, and the establishment of a system of adequate State highways.

Respectfully submitted,

HERBERT R. WILSON, Chm., J. S. TURNER, Member, JNO. R. FORDYCE, Member.

DEPARTMENT OF STATE LANDS, HIGHWAYS AND IMPROVEMENTS.

State Highway Commission.

Herbert R. Wilson, Chairman	Little Rock
J. S. Turner, Member	Ozark
J. R. Fordyce, Member	Hot Springs
Guy A. Freeling, Secretary	Little Rock

Highway Division.

R. C. Limerick, State Highway Engineer	Little Rock
G. Hunter Sykes, District Engineer	Little Rock
A. W. Buford, District Engineer	Forrest City
F. L. Hargett, District Engineer	Pine Bluff
Richardson Ayres, District Engineer	Hope
W. C. Hight, District Engineer	Fayetteville
O. L. Hemphill, Office Engineer	Little Rock
N. B. Garver, Bridge Engineer	Little Rock

Advisory Board.

Edgar Brewster, Chairman	Pine Bluff
G. P. Stocker, Member	Fayetteville
R. C. Limerick, Member	Little Rock

Land Division.

Joe A. Bailey, Deputy Commissioner.....Little Rock

Automobile Division.

George M. Allen, Deputy Commissioner.....Little Rock

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STATE HIGHWAY COMMISSION

SUMMARY OF RECOMMENDATIONS.

Throughout the body of this report will be found a number of recommendations by the Commission for the material betterment of the Department and the improvement of the Highway situation in Arkansas. These recommendations in brief are as follows:

Provide for the designation of a State System of Highways of approximately 6,700 miles and make it the duty of the State Highway Commission to adequately maintain this system by the use of patrol maintenance, appropriating adequate funds for the purpose. Give the Commission ample authority to carry out the work economically and efficiently.

Provide for the proper marking of the designated system of roads and provide for the policing of the system by State employes with authority to enforce traffic regulations and the motor vehicle license laws.

Provide for the increase of the motor vehicle license fees, increasing the minimum rate on passenger cars to \$15.00 and on 1-ton trucks to \$25.00, with proportionate increases for larger vehicles. Provide for a tax of \$15.00 per quarter on log wagons and an increase in dealers' license fees to \$100.00.

Provide for an increase in the gasoline tax to three cents per gallon and the collection of same at the source.

Provide for the amendment of Act 302, increasing certain salaries and allowing the Department to employ adequate personnel to handle the work effectively.

Provide for the amendment of the general road law, raising the limit of assessed benefits to 40% and eliminating some of the unnecessary proceedure now required. Provide for the approval of the sale of bonds and the award of any contract before such instrument becomes valid.

Provide for the direct supervision of all construction work on the designated system of State Highways by the Department and require road improvement district funds for such work to be placed in escrow and paid out only on estimates approved by the State Highway Commission.

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Provide for Internal Improvement Land Records to be completed and brought up to date.

Provide that the method of the sale of Islands be changed to conform with the procedure as in the sale of school land.

HIGHWAY DEPARTMENT

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STATE HIGHWAY COMMISSION

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STATE AND FEDERAL LAWS AFFECTING THE ORGANIZATION OF THE STATE HIGH-WAY DEPARTMENT.

Act 302, On March 31, 1913, Governor Oldham approved
1913: Act 302, which had been passed by the Legislature, creating the State Highway Department and making it a part of the Department of State Lands, changing the name of the Department to that of State Lands, Highways and Improvements. This Act provides that the Commissioner of State Lands shall be Commissioner of the new Department and shall be Ex-officio Chair-

man of the State Highway Commission and that two other Commissioners shall be appointed by the Governor for terms of office of two years. The Act provided for the collection of a license fee of \$10.00 per annum on motor vehicles, the amount collected, less the fees allowed, to be placed in the hands of the State Treasurer to the credit of the Highway Improvement Fund, this fund to be used to pay the expenses of the Department. The salary of the Commissioner was fixed at \$2,500.00 per annum and that of the State Highway Engineer at \$3,000.00

Act 338, In 1915 developments in road building and the 1915: need for improved roads indicated the necessity of the passage of some legislation of a general character which would provide for the creation and establishment of Road Improvement Districts. The constitutional limitations preventing the issuance of State or County bonds delayed any real progress in road building until some law could be placed on the statute books allowing communities to band together into a corporate unit for the purpose of constructing needed improvements and assessing the cost against the property benefited.

After much consideration the Legislature passed Act No. 338, commonly known as the Alexander Law. This Act permits the organization of improvement districts, specifies the proceedure to be followed and fixes the amount of money that can be raised against the realproperty as 30% of the total assessed valuation of the property included in the boundaries of any district.

While this general law is workable, in many cases a number of Road Improvement Districts have found it cumbersome and not adaptable to their particular needs and for these reasons may be credited a great many of the Special

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Acts passed by recent Legislatures. To sum up the principal objections to this Act, they can be given briefly as follows:

1. The limit of 30% of the assessed real property valuation does not permit in many cases the raising of sufficient funds to build roads of the type justified. This limit should be raised to 40% with the provision to allow a greater increase where a majority of the property owners desire.

2. The long drawn out procedure works to the disadvantage of the improvement and is cumbersome.

3. The Act provides for approval of the procedure by the County Judges. It would be well to make the County Judge ex-officio member of the Commission.

4. The Act does not fix the compensation of Attorneys. This should be done so as to cover a reasonable fee for organization and a schedule of fees for extra services.

5. The maintenance provisions of the Act are very poor. An annual tax should be fixed so as to provide for maintenance and the actual performance of maintenance work should be placed under the control of the State Highway Department.

6. The Act permits the issuance and sale of bonds by the Commissioners. As these men are frequently not acquainted with such matters, all bond sales should be approved by some State authority before becoming valid.

7. The Act permits the road district to call on the State Highway Department for supervision of the work. This provision should be made mandatory when the improvement forms a part of a designated system of highways and the Commissioners should be required to place the district funds in escrow to be spent by the State Highway Department.

Federal Shortly after the passage of this Act the Federal Aid Act: Government saw the necessity of taking a part

in road building activities and aiding the several States in their work, and on July 11, 1916, Congress enacted a law generally known as the Federal Aid Road Act. This Act provided for the participation of the Federal Government in road building under the direction of the Secretary of Agriculture and appropriated funds. This Act was amended on February 28, 1919, at which time additional aid was appropriated. The annual appropriation made available under the act and its amendment are as follows:

1917		\$ 82,689.10
1918		165,378.20
1919		1,090,247.99
1920		1,596,436.09
1921		1,685,178.09
	Total	\$4,619,929,47

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Act 105, 1917:

The provisions of the original Federal Aid Road Act were such that the State of Arkansas could

not avial itself of the money appropriated unless some additional legislation was passed. Consequently, at the 1917 session of the State Legislature Act 105 was passed and approved binding the State to an agreement with the Act of Congress and enlarging the personnel of the State Highway Department.

Advisory At this time an Advisory Board was created for Board the purpose of recommending to the State High-Created: way Commission the apportioning and distribution of both State and Federal Aid funds. The

tion of both State and Federal Aid funds. The Advisory Board as created consisted of the State Highway Engineer, the Professor of Civil Engineering at the State University and a third member appointed by the Governor. An appropriation of \$496,134.60 of the Highway Improvement Fund was made for State Aid to Counties and Road Improvement Districts and to enable the State to meet the requirements of the Federal Aid Act.

Special Shortly after the close of the War in 1918 the whole country, because of the extremely high prices received for farm products, assumed a

very bright economic outlook. Everyone had moncy, property values were high, money was cheap and easy to borrow and as a consequence this surplus of funds and the high valuation brought on a crying desire among the people for good roads and many miles of them. The result of this condition was that when the Legislature met in January, 1919, and January, 1920, scores of Special Acts were passed creating road improvement districts. As a matter of fact, at these two sessions 457 such bills were enacted covering approximately 9,000 miles of roads.

This condition, as predicted by many at the time, was very deplorable, as many projects were given life that should never have been starled and the fact that the enormous program was initiated at the time when prices were at their peak has cost the State many hundreds of thousands of dollars. The effect of the over-ambitious program has also had its influence on future work and instead of the road program progressing along normal lines it will be marked by periods of great activity followed by periods of inactivity.

The regular session of the 1919 Legislature appropriated \$950,000.00 as State Aid for the biennial period.

During the summer of 1920 the pendulum of road activity began its backward swing and its course was accelerated by the campaign for State and County offices. Scores of attacks were made on the Highway Department and on the program in general, and as a consequence a very antagonistic Legislature met in session in January, 1921.

1921 The 1921 Legislature was a notable one for Legislature: its opposition to any constructive legislation

along the road building lines. During its course only five new districts were created while repealing acts were passed for 53 districts that had been created by previous Legislatures. This feature might have been well and good if its tearing down policy had ended there but a decided movement gained headway to give to the counties all of the revenue collected as a license on automobiles.

A hard fight was made by the friends of the Highway Department with the result that instead of 100% of the revenue going to the counties it was divided in the ratio of 70% for the counties and 30% for the State.

This situation, in our opinion, has had more effect on the delay in the completion of the road program and in the securing of a connecting system of roads than any one other thing. State Aid was seriously needed to complete many projects that were out of funds and had issued bonds to the limit and the effect of taking these funds from the Department has delayed these districts several years in the final completion of their work.

Acts 494 and 606, 1921: To offset this movement and to give the Department as much revenue as possible, Act 494 and Act 606 were prepared and passed.

Act 494 provided for a change in license fees on automobiles and trucks, the former being based on a charge of 25 cents per horse power and 25 cents per hundredweight and the latter based on a sliding scale. Act 606 provided for the collection of one cent per gallon tax on gasoline used by vehicles using public highways. The revenue brought in by these two Acts enabled the Legislature to appropriate as State Aid for the biennial period \$600,000.00. Because of the change in the fiscal year from April to July this Legislature also appropriated \$100,000.00 as a deficiency.

Recent Federal The Federal Act appropriating aid covered **Road Act:** The Federal Act appropriating aid covered the period from 1916 to 1921. The Congress realizing that its cooperation and as-

sistance must not end, enacted a law which was signed by the President on November 9, 1921, continuing Federal Aid to states and revising its previous law in many particulars. Arkansas' pro rata share of the appropriation made under this Act amounts to \$1,254,142.20.

This law is a very commendable and satisfactory one, as it brings nearer the time when the Arkansas Highway Department can be built up as a real Highway Department to take care of construction, reconstruction and maintenance. The principal provisions of this Federal Act may be summed up briefly as follows:

1. The State must designate a system of connected highway not to exceed 7 per cent of the total public road mileage of the State. This system shall be divided so that not more than 3 per cent shall be primary or interstate roads and the balance of the mileage shall be intercounty roads.

2. Funds to match Federal Aid shall be raised by the State or political sub-division thereof.

3. Construction and reconstruction shall be handled under the direct suprevision of the State Highway Department.

4. A fund for maintenance of the system of roads established must be raised and maintenance must be carried on by the State in a systematic manner and with State funds.

5. Roads constructed as primary roads must be surfaced 18 feet wide unless some physical, economical, traffic or legal conditions justify a less width.

6. States not able to comply with the provisions of this Act because of Constitutional restrictions are given three years in which to pass enabling legislation.

It can readily be seen that the provisions outlined, if carried out practicably and fairly, will give the State of Arkansas eventually a system of well built, well located and well maintained roads, roads over which vehicles can travel from point to point throughout the year to the material upbuilding and uplifting of the State and its people.

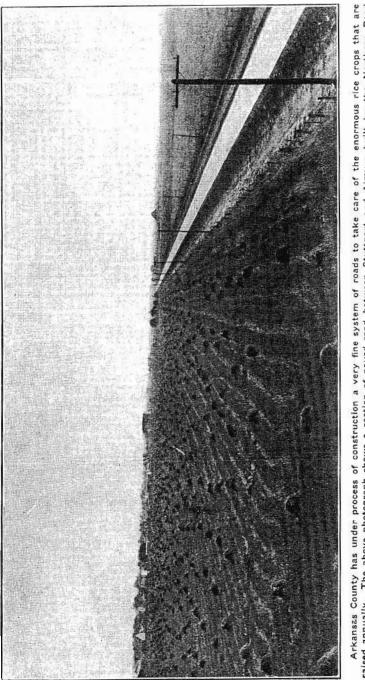
On June 19, 1922, the Congress passed a further Act

FIFTH BIENNIAL BEPORT

amending slightly the Act of November 9, 1921, and authorizing additional appropriations of Federal Aid, Arkansas' pro rata of which are as follows:

1923	 \$ 836,094.80
1924	 1,086,881.00
1925	 1,254,142.00

LITTLE ROCK FUBLIC LIDIAND



raised annually. The above photograph shows a section of paved road between Stuttgart and Almyra built by the Northern Road Improvement District of Arkansas County with the assistance of the State Highway Department and the Bureau of Public Roads. The type is Warrenite pavement on macadam base, 16 feet wide.

REORGANIZATION OF THE STATE HIGHWAY DEPARTMENT.

Shortly after the first of January, 1921, the Highway Commission determined to reorganize the Highway Department. The plan fixed upon was to reduce the technical personnel in the main office at Little Rock and to divide the State into five districts, placing an engineer in each. In accordance with this plan the State was divided as follows:

Districts: District No. 1: A. W. Buford, District Engineer; Headquarters, Forrest City, includes the counties of Clay, Craighead, Crittenden, Cross, Greene, Independence, Jackson, Lawrence, Lee, Mississippi, Monroe, Phillips, Poinsett, Randolph, Sharp, St. Francis and Woodruff.

> **District No. 2:** W. C. Hight, District Engineer; Headquarters, Fayetteville, includes the counties of Baxter, Benton, Boone, Carroll, Cleburne, Crawford, Franklin, Fulton, Izard, Johnson, Madison, Marion, Newton, Searcy, Stone, Van Buren and Washington.

> **District No. 3:** Richardson Ayers, District Engineer; Headquarters, Hope, includes the counties of Clark, Columbia, Hempstead, Howard, LaFayette, Little River, Logan, Miller, Montgomery, Nevada, Pike, Polk, Scott, Sebastian and Sevier.

> District No. 4: F. L. Hargett, District Engineer, Headquarters, Pine Bluff, includes the counties of Arkansas, Ashley, Bradley, Calhoun, Chicot, Cleveland, Dallas, Desha. Drew, Grant, Lincoln, Jefferson, Ouachita and Union.

> **District No. 5:** G. Hunter Sykes, District Engineer, Headquarters, Little Rock, includes the counties of Conway, Faulkner, Garland. Hot Spring, Lonoke, Perry, Pope, Prairie, Pulaski, Saline, White and Yell.

Purpose of Reorganization: The purpose of this reorganization was to bring the State Highway Department in much closer touch with the problems con-

fronting the various Road Improvement Districts and Counties, to secure a closer and more careful and frequent inspection of the work, to get better results for the money spent on construction and maintenance and to form the foundation for a further expansion of the Highway Department.

Duties of District Engineers:

To carry out these plans the District Engineers are required to make periodic inspections and reports on all construction

and maintenance work and to keep in close touch with Boards of Commissioners and County Judges in order to assist in the proper planning of proposed new work and the proper supervision of authorized work. The district engineers are charged with the collection and preparation of various data and statistics on the work under way, the assistance of the Department in handling of War Equipment, the assistance of the County authorities in the collection of the Gasoline taxes and the making of surveys and plans for any districts to be organized under the Alexander Law.

While this reorganization has been in effect slightly more than a year, it is working smoothly and accomplishing the desired results. Many expressions of the good work done by these district engineers have been received from officials and tax payers over the State.

In the reorganization process the personnel of the Little Rock office was reduced to a minimum and has been kept that way since. As a matter of fact, the work has increased to such an extent that the force is not ample to take care of the work satisfactorily. The work necessary for securing approval by the Bureau of Public Roads of plans, project statements, project agreements and vouchers is very great and this coupled with the numerous requests for information, the hundreds of reports on construction work, the details of handling carefully the many projects that are in precarious financial condition, taxes the department to the limit.

STATE HIGHWAY COMMISSION

STATE HIGHWAY SYSTEM.

Need For a Designated System of Roads

The general tendency under the plan of building roads by Special Improvement District is towards a widely scattered mileage of disconnected improvements, providing no regularity of types and no through roads. Realizing this

danger the Highway Department early in 1920 set about to prepare a tentative State System of roads, showing interstate routes as well as intercounty connections. A great deal of care was taken in the preparation of the map showing this system. Maps of each county were drawn on a scale of 1 inch per mile and on these maps were shown every road provided for by general law or Special Act as well as those links which were essential to the connected system. After these maps were prepared for the counties, a map on the scale of 8 miles to the inch was prepared covering the State and on this map was outlined a system of primary and secondary roads which provided an ample number of interstate and intercounty roads.

Changes in System as Required by Federal Aid Road Act Approved November 9, 1921: Previous to the passage of the recent Federal Aid Road Act and its approval on November 9th, 1921, it was the intention of the State Highway Department to build to the system as outlined and eventually secure the approval of the State Legislature of the system as the State Highway System of Primary and Secon-

dary roads. However, the provisions of the new Federal Aid Act have forced the Department to make many changes as the Federal System of roads must be confined to 7% of the total public road mileage of the State, not more than three-sevenths of which shall be primary or interstate roads and the balance secondary or intercounty roads.

At the time of passage of the Federal Act it was estimated that there were 71,960 miles of public highways in the State and on this basis the Federal System of roads must be limited to 5,037 miles, not more than 2,159 miles of which shall be primary and 2,878 miles secondary roads. The law is so written that a lesser mileage of primary roads and a greater mileage of secondary roads than the proportion indicated above may be designated at this time, and it has been decided that advantage will be taken of this provision of the law.

State Highway System Selected and Mileage:

Immediately after the passage of this new Federal law and an interpretation of it was received from representatives of the Bureau of Public Roads, the Com-

mission made a careful study of the plan that could be outlined to correlate the tentative system of roads outlined by the Department with the system that would be required by the Federal Government. In studying the plan it was easily deduced that in order to provide a well connected and serviceable system of roads for the State the original tentative system could not be reduced materially and that it would be necessary to supplement the selected Federal System of Primary and Secondary roads by a connecting system of roads to be known as State roads. It was also readily recognized that in order to provide a satisfactory trunk line system of highways connecting the different sections of the State a large part of the 2,159 miles of primary roads must be shown in the Federal System. Working along these lines a system of roads has been outlined composed of 1,751 miles of Federal Primary roads, 3,239 miles of Federal Secondary roads and 1,648 miles of State roads, as is shown by the accompanying map. This system has been worked out based on the assumption that the Bureau of Public Roads will approve Federal Aid on work done on the Primary System where the surfacing is built to meet traffic needs and not 18 feet wide. The Federal Act requires that primary roads be built 18 feet wide unless some physical. legal, economical or traffic conditions justify a lesser width and should the Bureau take the narrow point of view of requiring 18-foot widths of surfacing regardless of funds available and traffic requirements, it will materially delay the progress of the work.

Our dealings with the Bureau of Public Roads lead us to believe that a broad policy of handling the work is being formulated and that there will be no particular difficulty in proceeding under the law in this regard.

Description A map is attached showing the system of highof Roads: ways which has been outlined to meet the pro-

visions of the Act and also showing the roads known as State roads, which have been added to properly form a great State Highway System. In designating the highways shown it is the policy to fix them by control points only so that in the future any necessary and desirable refocations can be made. A description of the roads is as follows:

Primary Federal Aid Roads.

Little Rock to Memphis, through Lonoke, Hazen, Brinkley and Forrest City.

Little Rock to Louisiana, through Pine Bluff, McGehee and Lake Village.

Little Rock to Louisiana, through Sheridan, Princeton, Camden and El Dorado.

Little Rock to Texarkana, through Benton, Malvern, Arkadelphia, Prescott and Hope.

Little Rock to Fort Smith, through Conway, Morrilton, Russellville, Clarksville, Ozark and Van Buren.

Little Rock to Missouri, through Cabot, Searcy, Newport, Walnut Ridge, Pocahontas and Corning.

Mesa to Helena, through Clarendon and Marvel.

Benton to Waldron, through Hot Springs and Mt. Ida. Louisiana to Missouri, through Texarkana, Ashdown,

DeQueen, Mena, Waldron, Greenwood, Fort Smith, Van Buren, Fayetteville and Rogers.

Conway to Missouri, through Clinton, Marshall, Harrison and Eureka Springs.

Turrell to Walnut Ridge, through Marked Tree and Jonesboro.

Memphis to Missouri, through Marion, Osceola and Blytheville.

Secondary Federal Aid Roads.

Barton to Piggott, through Marianna, Forrest City, Wynne, Harrisburg, Jonesboro and Paragould.

Jonesboro to Barfield, through Lake City, Manila and Blytheville.

Rector to Missouri Line, east.

Walnut Ridge to Missouri Line, through Walcott and Paragould.

Corning to Piggott.

Paragould to Corning.

Newport to Marked Tree, through Harrisburg.

Bald Knob to Marion, through Augusta, Wynne and Earle.

Clarendon to Jelks, through Cotton Plant.

Des Arc to Cotton Plant.

Wheatley to Marianna, through Moro.

Marianna to Chatfield, through Hughes.

Hazen to Higginson, through Des Arc.

Pine Bluff to Lonoke, through Coy.

Little Rock to Stuttgart, through England.

Pine Bluff to Hazen, through Stuttgart.

Stuttgart to Dumas, through DeWitt and Gillette.

Gillette to Helena, through Ferguson.

DeWitt to Marvel, through St. Charles.

Dumas to Watson.

Watson to McGehee.

Texarkana to Luna Landing, through Lewisville, Magnolia, El Dorado, Hamburg and Lake Village.

McGehee to Louisiana Line, through Dermott and Montrose.

Pine Bluff to Hamburg, through Star City and Monticello.

Star City to Warren.

Dermott to Prescott, through Monticello, Warren, Hampton and Camden.

Pine Bluff to Magnolia, through Rison, Fordyce and Camden.

Warren to Rison.

El Dorado to Hot Springs, through Hampton, Fordyce, Princeton and Arkadelphia.

Princeton to Poyen.

Magnolia to Haynesville, Louisiana.

Pine Bluff to Hot Springs, through Sheridan and Malvern.

Hot Springs to Oklahoma Line, through Glenwood, Dierks and DeOueen.

Lewisville to Nashville, through Hope and Washington. Murfreesboro to Mt. Ida, through Kirby and Womble. Foreman to Lewis Ferry.

Ashdown to DeQueen, through Ben Lomond. Arkadelphia to Ben Lomond, through Murfreesboro and Nashville.

Mena west to Oklahoma Line.

Russellville to Waldron, through Ola and Plainview.

Perry to Greenwood, through Ola, Danville and Boonville.

Magazine to Altus, through Paris.

Hot Springs to Morrilton, through Whittington and Perryville.

Fayetteville to Oklahoma Line, through Lincoln.

Bentonville to Oklahoma Line, through Gentry and Siloam Springs.

Rogers to Missouri Line, through Rogers and Sulphur Springs.

Russellville to Missouri Line, through Jasper and Harrison.

Morrilton to Calico Rock, through Clinton and Mt. View.

Sylamore to Marshall, through Big Flat. Marshall to Yellville, through Rush. Bellfonte to Mountain Home, through Yellville. Mountain Home to Newberry, through Calico Rock. Conway to Beebe, through Vilonia. Searcy to Heber Springs, through Pangburn. Heber Springs to Conway, through Quitman and Greenbrier. Heber Springs to Batesville. Newport to Mammoth Spring, through Batesville, Melbourne and Salem. Batesville to Mammoth Spring, through Evening Shade and Hardy. Hardy to Hoxie, through Imboden and Powhatan. Cave City to Powhatan, through Strawberry. Pocohontas to Missouri Line, north. Pocohontas to Imboden. State Connecting Roads. Piggott to Missouri Line, north. Marked Tree to Osceola, through Lepanto. Pocahontas to Mammoth Spring, through Dalton. Melbourne to Ash Flat. Bradford to Batesville, through Pleasant Plains. Newport to Dryden, through Grubbs. Stuttgart to Roe. Grady to DeWitt, through Waldstein. Lonoke to Cabot. Hamburg to Eudora, through Parkdale. Dermott to Halley. Monticello to Tillar. Hamburg to Louisiana Line, south. Warren to El Dorado, through Hermitage and Moro Bay. Heber Springs to El Paso, through Rosebud. Sheridan to Benton. Prescott to Waldo. Lewisville to Louisiana Line, through Walnut Hill. Little Rock to Thornburg. Perryville to Conway, through Houston. Hot Springs to Danville, through Rover and Jessieville. Mt. Ida to Rover, through Washita. Womble to Mena. Wickes to Dierks, through Baker Springs. Nashville to Dierks. Mineral Springs to Fulton, through Saratoga. Ashdown to McNab.

Foreman to Arkinda.

Waldron to Oklahoma Line, through Bates.

Dardanelle to Fort Smith, through Paris and Charleston.

Van Buren to Gravette, through Evansville, Summers and Siloam Springs.

Bentonville to Missouri Line, through Bella Vista.

Ozark to Huntsville.

Huntsville to Marble.

Clarksville to Harrison, through Boxley.

Boxley to Missouri Line, through Kingston and Berryville.

Dover to Marshall, through Hector.

Clinton to Lurton, through Witt Springs.

Yellville to Omaha, through Lead Hill.

Mountain Home north to Missouri Line.

Mountain Home to Missouri Line, through Henderson. Henderson to Salem.

Lurton to Winslow.

Jelks to Newport.

Rison to Erin, through Staves.

Prescott to Delight.

Fayetteville to Eureka Springs, through Huntsville.

Serviceability of the System Proposed:

A study of this map in relation to the State as a whole shows that each County and County Seat is given necessary connections.

The primary system of roads traverses 50 counties out of the 75 and actually passes through the County Seats of 42 counties.

The 1920 census of the State shows a total population of incorporated towns of 487,047 and of this total 464,212 people will be served directly by some part of the system. Reducing these figures to percentages the data shows that 95 per cent of the urban population will be served directly, and, on the same basis, it is safe to assume that the same percentage of the rural population will be served.

STATUS OF STATE AND FEDERAL APPROPRIATIONS.

Funds

The funds which have become available as aid in the construction of improved roads in Ar-Available: kansas are made up of appropriations by the

State Legislature and appropriations by the Congress of the United States. In a measure, these funds have been comparatively limited particularly for the reason that Arkansas engaged in a very extensive road program which reguires approximately 75 to 80 million dollars to complete. When the first appropriations were made it was the intention that the State and Federal Government would bear 50 per cent of the cost of the work but as time went on and a large amount of work was provided for and undertaken it was impossible to maintain this ratio on all projects.

The statement below shows the appropriations that have been made by the State and Federal Governments since the organization of the State Highway Department:

1917		\$ 82,689.10
1918		165,378.20
1919		1,090,247.99
1920		1,596,436.09
1921		1,685,178.09
1922		1,254,142.20
1923		836,095.00
1924		1,086,881.00
1925		1,254,142.00
	Total	\$9,051,189.67

Federal Aid Appropriations.

State Aid Appropriations.

Period and Ap	propriations	Amount Reverted	Net Amount Available
1917-1919	\$ 496,134.60	\$ 90,223.54	\$ 405,911.05
1919-1921	950,000.00	66,812.25	983,287.35
1921	100,000.00		
1921-1923	600,000.00		600,000.00

It is to be noted that the Federal appropriatoin for 1924 does not become available until July 1, 1923, and that for 1925 until July 1, 1924. No agreements with the Federal Government covering the use of these two appropriations

can be made until the appropriations actually become available.

The State Aid appropriations shown are made by the Legislature with funds derived from the license fees on automobiles and the tax on gasoline used by motor vehicles. The comparatively small appropriation made for the years 1921-1923 is caused by the fact that during these years 70 per cent of the license fees and 50 per cent of the gasoline taxes were returned directly to the counties in which collected.

Method of Making Allotments of Aid: When State and Federal funds first became available for distribution by the State Highway Department, some attempt was made to pro rate these funds among the several counties on a mileage, area and population basis.

The plan worked very satisfactorily until the gigantic program of road building was inaugurated in 1919 and with some of the counties doing an immense amount of work, others a small amount and still others none, it became evident than some other method of distribution must be determined upon.

After many of the road improvement districts proceeded to award contracts during the inflated times of 1919 and 1920 and accomplished a great deal of their work, it developed in the early part of 1921 that many of them could not possibly complete the projected improvements unless additional funds were provided. The severe reversal of economic conditions, coupled with the reduced land values and prices for agricultural products prevented even an attempt to issue additional bonds in many of the districts. It was therefore necessary for the State to use all of its energies and resources to assist these practically bankrupt road improvement districts and to this end the Advisory Board and Highway Commission determined on a policy of using all available funds to complete unfinished work, particularly that mileage which formed part of the System of State Highways. This policy carried out has accomplished the desired results as far as funds available permitted but it has tended to the distribution of aid to the various counties on an unequal ratio. Considering the results accomplished, however, it is the opinion of the Commission that the policy pursued has been justified.

Statistics: There is given below some statistics showing the status of State and Federal Aid allotments and payments and the allotments of aid to the respective Counties of the State.

No. District.	County.	Allotment.	Сипсеlla- tlon.	Net Allotment.	Amount Paid.	Balance to Be Paid.
1.	Carroll	\$ 13,878.27	5	13,878.27	13,878.27	60
Camp Pike.	Pulaski	57,984.00	3,265.04	54,718.96	54,718.96	
1	Sevier	6,840.93		6,840.93	6,840.93	
1	Miller	17,441.52		17,441.52	17,441.52	
1	Lawrence	. 11,590.86		11,590.86	11,590.86	
2	Lawrence	2,500.00		2,500.00	2,500.00	
1	Miller	2,558.48		2,558.48	2,558.48	
3	Lonoke	3,169.00	3,169.00			
1	Monroe	31,391.80		31,391.80	31.391.80	
1	Cross	2,085.83		2,085.83	2,085.83	
1	Woodruff	10,000.00		10,000.00	10,000.00	
1	St. Francis	10,000.00		10,000,00	7.462.06	2.537.94
2.	St. Francis	5,467.10		5,467.10	5.467.10	Contraction of the second s
19.	Jefferson	10,000.00		10.000.01	10.000.00	
4	Prairie	10,000.00	10.000.001			
5	Lawrence	7,500.00	7.500.00			
1	Craighead	53,000.00		53.000.00	12.904.96	40.095.04
1	Benton	15,637.13		15,637.13	15.637.13	
4	Craighead	60,836.16		60.836.16	60.836.16	
1	Poinsett	32,442.82		32,442.82	12.069.36	20.373 46
1	St. Francis	15,000.00	15,000.00			
2	Lafayette	22,000.001	239.28	21.760.72	21 760 79	
4.	Jackson	68.800.00		68 800 00	68 800 00	
Arkansas, Louisiana.	Ashley, Chicot, De				00'000'00	
	sha, Drew, Lincoln	n 567,000.00		567,000.001	567.000.00	
5	Jefferson	30,000.00	30,000.00			
2	Johnson	105,000.00		105.000.001	17 742 551	87 957 45
2	Columbia	40.046.05	Contraction (2010)	10 040 051	03 040 40	-

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STATE HIGHWAY COMMISSION

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District.	County.	Allotment.	Cancella- tion.	Net Allotment.	Amount Paid.	Balance to Be Paid
3	St. Francis	104,000.00		104,000.00	92,153,10	11,846.90
1	Craighead	33,000.00		33.000.00	23.136.30	
1	Franklin	107,000.00		107,000.00	82,200.92	~1
4	Cleveland	38,000.00		38,000.00	38.000.00	
Hope, Fulton, Emmett	Hempstead	- 53,000.00		53,000.00	53,000.00	
4	Cross	26,100.00		<u></u>	20,685.91	5.414.09
	Cross	29,200.00	16,000.00	11 1	10,699.00	
Little Rock-Hot Springs	Pulaski	87,500.00		87,500.00	72.716.23	Н
2	Washington	137,500.00		137,500.00	84,605.55	
1	Washington	44,000.00		44,000.00	22.331.07	
1	Howard, Sevier.	70,000.00		70,000.00	57,469.62	
6	Grant	16,000.00	15,000.00	1.000.001		
Washington, Hope, Columbus.	Hempstead	19,000.00	19,000.00			
1	Clark	126,438.00		126.438.00	52.157.94	74.280.06
2	Crawford	95.801.40	95,801.40			
Douglass, Gould, Star City	Lincoln, Desha	11,200.00		11.200.00	2.427.93	8.772.07
9	Lonoke	37,000.00		37.000.00	37.000.00	
10	Lonoke	21,000.00		21,000.00	21,000.00	
2	Grant	22,000.00		22.000.00	18,000.00	4.000.00
4	Crittenden	00.000.06		90,000.00	71.891.42	-
1	Independence	15,000.00	15,000.00			
2	Independence	21,300.00	21,300.00			
Helena, Old Town	Phillps	106,800.00		106.800.001	80.940.03	25,859,97
2	Conway	64,156.00		64.156.001	48.601 12	
3	Woodruff	12,600.00	12.600.00			
5	Crittenden	30.000.00	30.000.00			
West Helena, Marvel.	Phillips	85,000.00		85.000.001	85.000.00	
Hazen, LaGrue, Slovac	Prairie	21.400.001		21 400.001	21 400 00	

Table I (Continued)

FIFTH BIENNIAL REPORT

Proj. No.	County.	Allotment.	Cancella- tion.	Net Allotment.	Amount Paid.	Balance to Be Paid.
	Cleveland	16.670.001	16.670.00	8,700.00	8,700.00	
Saratoga, Fulton, McNab No. Ark. No. 2				17,400.00	17,400.00	
1.		244,649.30	144,649.30	100,000.00		100,000.00
3	Benton Washington	- 54,500.00	20,000.00	34,500.00	34,500.00	
No. Ark. No. 1 2 Western	Vhite Jackson Lawrence		55,400.00	48,000.00	1,089.08	6,910.92
1	Little River Dallas Grant	140,000.00 51,500.00	65,000.00 16.000.00	75,000.00 51,500.00	10,196.67	75,000.00 41,303.33
3. Marshall, Witt Springs 6.	ngs			17,500.00 53,000.00	17,500.00	53,000.00
4 0 4	Lincoln Searcy Searcy		00.000,0d	17,040.00	13,095.19	3,944.81 12,200.00
3 4 4	Dallas Dallas Union		20,000.00	40,000.00	40,000.00	
5 5 5	Lincoln Conway Arkansas			20,500.00 56,000.00 148,250.00	17,469.28	3,030.72 56,000.00 148,250.00

. Table I (Continued) 5 Statement Showi STATE HIGHWAY COMMISSION

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Proj No	District.	County.	Allotment.	Cancella- tion.	Net	Amount Paid.	Balance to Be Paid
8		Little River	30.522.74		30,522.74	30,522.74	
4			24,500.00	7,500.00	17,000.00	17,000.00	
4		Conway	00.000.00	A	98.000.00	72.859.19	25.140.81
-		Cleveland	115,000.00	70,000.00	45,000.00		45,000.00
1		Pope	n +1 (7+1		50,000.00	16,990.79	33,009.21
Southwest	Arkansas	Garland, Hotgomery	t.				
2		Springs, Pike	82,855.59	82,855.59			
2		Sharp	23,500.00	23,500.00			
8		Nevada	68,000.00	68.000.00			
Northern		Arkansas	137.000.00		137,000.00	137,000.00	
4		Grant	24,400.00		24,400.00	21,890.92	2,509.08
7		Crittenden	138,000.00		138,000.00	121,189.89	16,810.11
8		Crittenden	50,000.00		50,000.00	50,000.00	
9		Crittenden	170,000.00		170,000.00	130,228.23	39,771.77
Ozark Trail	11	Poinsett	67,000.00		67,000.001		67,000.00
7		Howard	55,000.00		55,000.00	38,937.05	16,062.95
12		Woodruff	20,800.00		20,800.00		20,800.00
Osceola, I	Little River	Mississippi	80,000.00		80,000.00		80,000.00
1		Mississippi	100.000.001		100.000.001		100,000.00
1		Polk	141,436.07		141,436.07	21,868.03	119,568.04
Conway. I	Damascus	Faulkner	69,631.20		69,631.20		69,631.20
	Vilonia.	Faulkner	33,247.40		33,247.40	29,270.90	3,976.50
	Palarm	Faulkner	62,815.80		62,815.80	51,994.33	10,821.47
1		Union	17,000.00	17,000.00			
2		Union	31,000.00	31,000.00			
~		ITnion	100 000 96	28 000 001		COUNCIL CONTRACTOR	

Table I (Continued) • Status of Federal Aid Allotments and Payments to July 1, 1922. ant Chamin

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FIFTH BIENNIAL REPORT

(Continued)	Aid Allotments and Payments to July 1, 1922.
Table I	itatement Showing Status of Federal

No. District.	County.	Allotment.	Cancella- tion.	Net Allotment.	Amount Paid.	Balance to Be Paid.
z. 1	Benton Ravter	75,800.00	17,000.00	58,800.00	18,262.35	40,537.65
Gaines' Landing	Chicot	4,200.00	4,200.00	00.062,72	5,541.81	1.807,12
4	Ashley, ChicotSt. Francis	7,500.00	7,500.00			
Arkansas, Missouri Madison, Carroll	Lawrence Lonoke	12,600.00 7,800.00 60.000 001	00 000 00	12,600.00	9,085.05	3,514.95
+ -	. 1 1	21,000.00	48,000,00	21,000.00	21,000.00	
Dermott, Collins. Blytheville, Manila, Leach-	Drew, Chicot	83,797.00	82,797.00.	1,000.00		1,000.00
ville. Blytheville, Garfield	Mississippi Mississippi	40,000.00	18.600.001	40,000.00		40,000.00
Helena, Ferguson	Phillips Sevier	60,000.00	32.700.00	60,000.00	35,493.90	24,506.10
2 Arkansas, Missouri	Prairie Craighead Duischi	9,000.00 37,500.00	9,000.00	37,500.00	20,113.50	17,386.50
*	Saline Columbia Cleveland	30,000,00 11,500,00 41,046.04 10,000,00	30,000.00 16,046.04 10.000.00	11,500.00		11,500.00 25,000.00
52	Jefferson Benton	20,000.00	15,000.00	20,000.00	20,000.00	
Arkansas, Míssouri No. Ark No. 1	White Pope Lonoke	24,000.00 30,000.00 20,000.00		24,000.00 30,000.00 20,000.00	24,000.00 15,299.72 20,000.00	14,700.28
	white	52,000.00		52,000,001	38.268.00	13 732 00

STATE HIGHWAY COMMISSION

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for	District.	County.	. Alloument.	Cancella - 12	Net Albitment.	Amount Paid.	Isalance to Be Paid.
13.5		Sabastian	100.000.00		100.000.00	75.240.50	24.759.50
		I awrence	20 000 00	301 (111) (101			
-	West Helong Marvel	Phillins			35.000.00	35,000.00	
		Benton				107020	33,000.00
			35.000.00.				35,000.00
	Helena, Ferguson		100.000.001	1	100,000.00		100,000.00
		Conway	75,000,001		75,600.00,.		75,000.00
	1	Howard, Sevier			35,000.00.	Contraction of the second	35,000.00
	Conway, Vilouia		20,000.00	1	20.000.00		20,000.00
		Fulknor	35,000.00		35,000.00	4 00000 00 00 00	35,000.00
	Bridges	Marion	S.500.00		S.500.00		8,500.00
	Bridges.	Scott	17,500.00		17,500,00	1 1 1 1 1	17,500.00
	West Helena, Marvel	maillins	35.000.00		35.000.00	The second second	35,000.00
	18,		10.000.00	10,000.01	10.600.00		10,000.00
	Blytheville, Manila, Lene	.=	-				
	ville.	Mississippi	60,000.00		60,000.00		60,000,00
	10.	Pulaski	95,000.001		95,000.00		95,000.00
	10.	Pulaski	5,000.00		5.000.001		5,000.00
	1	'Miller	1		20,000.00	10 N 10 N	20,000.00
	2	Newton	1		10,000.01		10,000.00
	8	C'rittenden		S,000.00'	8,000.00	A DESCRIPTION OF A DESC	8,000.00
	3			1.000.00			1,000.00
	4	Monroe	1,000.00		1.000.00		1,000.0
	Caddo Bridge	Pike	13,000.00		$13,000,00_1$	the second second	13,000.00
	1	Cross	S,000.00	2	S.000.944	1 2 100000	8,000.00
	Bridge	2.20	5.000.00		5,000.001		5,000.00
	Hone	Hemostond	1 000 00.		1 00// 0/0	21. C. W. W.	1 000 000

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FIFTH BIENNIAL REPORT

	Statement Showing Status of Federal Aid Allotments and Payments to July 1, 1922.	
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Itaulkner 1,000.00 1,000.00 1,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00		i Clark	1.000.000		1.660 00	-1-	1 000 00
uren Sebastian $\overline{35,000,00}$ $\overline{35,000,00}$ $\overline{35,000,00}$ $\overline{35,000,00}$ $\overline{30,000,00}$ $\overline{30,000,00$ $\overline{30,000,00}$	onway. Vilonia	ll'aukner	1.000.00		1 000 00.		1 000 00
Lonoke 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 <	ort Smith. Yan Buren	Sebastian	35.000.00:		35,000 00		35 000 00
Cell Little River 1,000.00 1,000.00 1,000.00 30,000.00 30,000.00 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		Lonoke	1.000.00		1.000.000		1 000 00
veil. Phillips 30,000.00 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,00		Little River	1.000.00		1 000 00		1 000 000
Monroe Monroe Monroe Johnson Johnson 1.000.00 1.000.00 Pope 1.000.00 6,500.00 6,500.00 Pone 0.000.00 6,500.00 0.000.00 Pone 1.000.00 6,500.00 0.000.00 Prings Saline 1.000.00 0.000.00 Prings Saline 1.000.00 0.000.00 Poinsett 1.000.00 60.000.00 0.000.00 Poinsett 0.000.00 60.000.00 0.000.00 Poinsett 0.000.00 60.000.00 1.000.00 Poinsett 0.000.00 50.000.00 0.000.00 Poinsett 0.000.00 50.000.00 0.000.00 Poinsett 0.000.00 50.000.00 1.000.00 Poinsett 50.000.00 50.000.00 1.000.00 Poinsett 0.000.00 50.000.00 1.000.00 Poinsett 0.000.00 50.000.00 1.000.00 Poinsett 0.000.00 50.000.00 1.000.00 </td <td></td> <td>Phillips</td> <td>30,000.00</td> <td></td> <td>30.000.00</td> <td></td> <td>30.000.00</td>		Phillips	30,000.00		30.000.00		30.000.00
Johnson Johnson Johnson Johnson Johnson Pope 1.000.00 1.000.00 1.000.00 5.500.00 Pope 1.000.00 5.500.00 1.000.00 5.500.00 Prings Saline 1.000.00 1.000.00 5.500.00 Prings Garland 1.000.00 1.000.00 5.500.00 Prings Garland 1.000.00 1.000.00 1.000.00 Poinsett 0.000.00 60.000.00 5.000.00 1.000.00 Poinsett 0.000.00 60.000.00 5.000.00 1.000.00 Poinsett 0.000.00 5.000.00 1.000.00 1.000.00 Poinsett 60.000.00 5.000.00 1.000.00 1.000.00 Poinsett 60.000.00 5.000.00 1.000.00 1.000.00 Poinsett 60.000.00 5.000.00 1.000.00 1.000.00 Poinsett 5.000.00 5.000.00 1.000.00 1.000.00 Poinsett 5.000.00 5.000.00 1.000.00		Monroe			-		
Pope 1.000.00 1.000.00 Pape 6.500.00 1.000.00 Paulkner 6.500.00 1.000.00 Chrant 0.500.00 1.000.00 Faulkner 1.000.00 1.000.00 Faulkner 1.000.00 1.000.00 Vashington 1.000.00 1.000.00 Poinsett 0.000.00 1.000.00 Poinsett 0.000.00 5.000.00 Baxter 5.000.00 5.000.00 Carland 1.000.00 1.000.00 Independence 7.380.00 Independence 20.250.00 5.000.00 Independence 20.250.00 5.000.00		Johnson					
Pope Pope 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,5,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 6,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,00 1,0,00,0		Pope	1.000.00		1 (00.00)		1 000 00
Grant 6.500.00 6.500.00 Enulkner 1.000.00 1.000.00 Enulkner 1.000.00 1.000.00 Prings Saline 1.000.00 Paulkner 1.000.00 1.000.00 Prinks Saline 1.000.00 Poinsett 1.000.00 0.000.00 Poinsett 0.000.00 9.000.00 Poinsett 1.000.00 0.000.00 Poinsett 1.000.00 1.000.00 Poinsett 0.000.00 9.000.00 Poinsett 1.000.00 1.000.00 <		Pone					POINT T
Chicot 1.000.00 Faulkner 1.000.00 Faulkner 1.000.00 Tanikad 1.000.00 Tomoke 1.000.00 Tomoke 1.000.00 Poinsett 1.000.00 Poinsett 1.000.00 Poinsett 0.000.00 Eaton 14,000.00 Independence 7.380.00 Independence 20.250.00 For 50.000		1 Creant	6 500 00		6 500 AN		0.5.00.00
Faultkner Faultkner brings Saline brings Saline Carland 1,000.00 Nashington 1,000.00 Lonoke 1,000.00 Lonoke 1,000.00 Poinsett 1,000.00 Poinsett 60,000.00 Poinsett 60,000.00 Poinsett 60,000.00 Poinsett 60,000.00 Poinsett 60,000.00 Independence 7,380.00 Independence 20,250.00 Independence 20,250.00 Independence 56,000.00		Chiront	1.000.001	4	1.000 000		00.000.1
Derings Salthe Derings Garland Donoke 1,000.00 Lonoke 1,000.00 Lonoke 1,000.00 Poinsett 1,000.00 Poinsett 0,000.00 Poinsett 0,000.00 Poinsett 0,000.00 Poinsett 0,000.00 Poinsett 0,000.00 Baxter 60,000.00 Calboun 0,000.00 Calboun 1,4,000.00 Independence 7,380.00 Jackson 50,000.00 Jackson 56,000.00	anway. Damascus	Faulkner		1		· · · · · · · · · · · · · · · · · · ·	1,000 U
prings Garland 1,000.00 Nashington 1,000.00 Lonoke 1,000.00 Poinsett 1,000.00 Poinsett 60,000.00 Poinsett 60,000.00 Poinsett 1,000.00 Poinsett 1,000.00 Poinsett 60,000.00 Poinsett 60,000.00 Poinsett 50,000.00 Independence 7.350.00 Independence 50.250.00 Jackson 56,000.00	lot	Saline					
Washington 1,000.00 1,000.00 1,000.00 Loundse 1,000.00 1,000.00 1,000.00 1,000.00 Poinsett 1,000.00 60,000.00 60,000.00 1,000.00 1,000.00 Poinsett 60,000.00 60,000.00 50,000.00 1,000.00 1,000.00 Poinsett 7.350.00 7.350.00 14,000.00 14,000.00 14,000.00 Independence 7.350.00 7.350.00 14,000.00 14,000.00 14,000.00 Independence 7.350.00 7.350.00 14,000.00 14,000.00 14,000.00 Independence 7.350.00 7.350.00 14,000.00 14,000.00 14,000.00	Ho.	Garland					
Lonole 1,000.00 1,000.00 1,000.00 Poinsett 1,000.00 60,000.00 60,000.00 1,000.00 Poinsett 60,000.00 60,000.00 60,000.00 1,000.00 Baxter 60,000.00 60,000.00 1,000.00 1,000.00 Raxter 60,000.00 50,000.00 1,000.00 1,000.00 Raxter 60,000.00 50,000.00 1,000.00 1,000.00 Raxter 14,000.00 14,000.00 1,000.00 1,000.00 Independence 7.380.00 7.380.00 1,000.00 1,000.00 Independence 7.380.00 7.380.00 1,000.00 1,000.00 Independence 7.380.00 7.380.00 1,000.00 1,000.00		Washington	1,000.00	-	1.060.00		1.660.00
Poinsett Poinsett Poinsett 60,000.00 60,000.00 Baxter 60,000.00 9,000.00 Banter 60,000.00 9,000.00 Calhoun 60,000.00 5,000.00 Calhoun 61,000.00 5,000.00 Independence 7,380.00 7,380.00 Independence 7,380.00 5,000.00 Independence 50,000.00 50,000 Independence 50,000.00 50,000		Lonoke	1,000.00		1.000 000		1 000 00
Poinsett 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 60,000.00 <th< td=""><td>is.</td><td>Poinsett</td><td></td><td></td><td></td><td></td><td>A</td></th<>	is.	Poinsett					A
Baxter 60,000.00 60,000.00 Renton 9,000.00 9,000.00 Renton 9,000.00 9,000.00 Calboun 6,000.00 8,000.00 Greene 14,000.00 1,000.00 Independence 7,330.00 7,330.00 Independence 20,250.00 20,250.00 Jackson 50,000.00 50,000.00	St. J	Poinsett			Contraction in the second second		
Ilenton 9,000.00 9,000.00 9,000.00 Calhoun 60,000.00 60,000.00 60,000.00 Greene 14,000.00 14,000.00 14,000.00 Independence 7.330.00 7,330.00 7,350.00 Independence 20.250.00 20,250.00 20,250.00 Jackson 53,000.00 50,000.00 50,000		Baxter	60,000.00	60,000,00		-	
C'alhoun 60,000.00 60,000.00 Greene 14,000.00 14,000.00 Independence 7.330.00 7.330.00 Independence 20.250.00 20.250.00 Jackson 36,000.00 50.000.00		Benton	9.000.00	9,000.00			
Greene 14,000,00 14,000,00 Independence 7,330,00 7,330,00 Independence 7,330,00 7,330,00 Independence 20,250,00 20,250,00 Jackson 36,000,00 50,000	and the second se	Calboun	60.000.00	60,000,00	2010		
Independence 7.380.00 Independence 20.250.00 Jackson 50.00.00	-	Greene	14,000.00	14,000,001			
Independence 20.250.00 Jackson 36,000.00 Lee 50.000.00		ŝ	7.350.00	7.350.00			
	40. Ark. No. 1		20.250.00	20.250.00		-	
Lee 50.000 10	rkansas, Missouri.	Jackson	36,000.00	36.000.001			
	belta.	Lee Lee	50.000.000	50.000.00			

LALIE LOCK. ARX.

2.2 . 1 .

Proj. District. No.	County.	Allotment.	Cancella- tion.	Net Allotment.	Amount Paid.	Balance to Be Paid.
2	Lonoke	1,000.00		1,000.00		1,000.00
8	Lonoke	1,000.00		1.000.000		1.000.00
Drake's Creek	Madison	10,000.00	10.000.00			
Richland Township	Monroe	1.000.000		100.000		1 000 00
Tate's Bluff, Chidester.	Ouachita	9.500.001	9.500.00	000001		10.00017
4	. Poinsett	16.000.001	16.000.00			
2	Polk	16.500.00	16.500.001		*****	
Hazen, Des Arc	Prairie	10.000.00	10.000.00			
Western	Randloph	40.000.00	40.000.00			*******
Albert Pike.	Scott	50,000.00	50.000 001			
Poteau Valley.	Scott	13.000.00	13.000.00			
5	- Searcy	12.000.00	12.000.00			
Fort Smith.	Sebastian	80,000.001	80,000.00			
2	. St. Francis	10.000.00	10.000.00			
3	Washington	28.350.00	28.350.001			
2	Washington	15.200.00	15.200.00			
Beebe, Antioch, Lonoke	White	12.500.00	12.500.00			
1	Woodruff	30,000.00		30.000.00		30,000,00
Pulaski, Perry	Pulaski, Perry	21.250.00	21.250.00			
Tri-County.	-Greene, Craighead,		-			
1	Poinsett	83,650.00	83,650.00	-		
Porter Porter	Iza	75,000.00	75,000.00			
MUBUS, MABIELI	Washington, Madison,	100 000 26	95 000 00			
	Direction of the second	00.000,00	00.000,62		**************	
Totels						

FIFTH BIENNIAL REPORT

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Proj. Noj.	County.	Total Allotment.	tions.	Net Allotment.	Amount Paid.	Balance to Be Paid
1	Arkansas	\$ 9,000.00		\$ 9,000.00	9,000.00	\$
Roberts	Arkansas, Jefferson	4,550.00		4.550.00	4,550.00	
-				250.00		250.
240 2	Baxter	5,000.00		5,000.00	3,750.00	1.250.00
		10,000.00		10,000.00	10,000.00	
2	Benton	5,000.00		5,000.001	*****	00.000.6
3	Benton	22,000.00		22,000.00	22,000.00	
1	Boone	49,500.00		49,500.00	39,500.00	
2	Boone	10,000.00		10,000.00	9,458.55	541.45
Bridge	Bradley	7.500.001		7,500.00	7,500.00	
	Calhoun	3.718.00		3,718.00		3.718.00
25-90 1	Carroll	55,968.31	12,000.00	43,968.31	43,968.31	
2	Carroll	25,000.001		25,000.00	25,000.00	
8	Carroll	7,650.00		7,650.00	7,650.00	
4	Carroll	7,650.00		7,650.00	7,650.00	
1	Cleveland	15,000.00		15,000.00		15,000.
265 Van Buren, Winslow	Crawford	9,500.00		9,500.00 .		9,500.00
Ŧ	Crawford	1,000.00		-	1,000.00	
86 2	Crittenden	4,000.00	1,000.00	3,000.00	3,000.00	
3	Crittenden	8,000.00	8,000.00			
4	Crittenden	23,000.00		23,000.00	23,000.00	
1	Crocs	10,250.44		10,250.00	10,250.44	
34 County	Dallas	12,584.03	7,699.97	4,884.06	4,884.06	
1	Dallas	3.500.00		3.500.00		3.500.00
153 3.	Dallas	10,000.00			10,000.00	
1	Desha	5,000.00	5,000.00			
1	Faulkner	15,000.00	15,000.00			
County	Faulkner	10.149.74	4.527.29	5.622.45	5.622.45	

Table II.

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LITTLE ROCK PUBLIC LIBRARY, LITTLE ROCK, ARK

STATE HIGHWAY COMMISSION

Proj.	District.	County.	Total Allotment.	Cancella- tions.	Net Allotment.	Amount Paid.	Balance to 3e Paid
103	1	Franklin	30,000.00		30,000.00	30,000.00	
6	County	Garland	14,200.00	1,586.42	12.613.58	12,613.58	
00	1	Grant	13,523.84	6,274.38		7,249.46	
113	2	Grant	3,000.00			3,000.00	
2	3.		10,000.00	*********	10,000.00	7,500.00	
164	4.	Grant	6,500.00		6,500.00		6,500.00
142	5	Grant	10,640.00		10,640.00	10,640.00	
143	7				-	19,000.00	
244	8	ः				12,000.00	
249	6		4,000.00		4,000.00	4,000.00	
t-	Hope, Fulton, Emmett	Hempstead	1.000.00		1.000.00	1.000.00	
128	Saratoga, Fulton, McNab.		5,100.00		5,100.00	5.100.00	
146	Washington, Hope, Colum						
	bus	Hempstead	19,000.00		19.000.00	7.000.00	12,000.00
170	Cross Roads	Hempstead	22,000.00			22,000.00	
157	Prescott, Blevins	Hempstead, Ne-			_		
		vada	20,680.00		20,680.00	20,680.00	
23	County	Howard	4,036.80		4,036.80	4,036.80	
86	1	Howard	25,000.00	7,320.29	-	17,679,71	
69	1	Hot Spring	5,000.00				5,000.00
11	1	Independence	10,000.00		10,000.00	10,000.00	
8	Batesville, Cave City	Independence	2,000.00		2,000.00	2,000.00	
-	1	Jackson	e0		33,000.00	28,205.00	4,795.00
80	4	Jackson			20,000.00	20,000.00	
E	1	Jefferson				3,000.00	
165	3	Jefferson	3,000.00		3,000.00	3,000.00	
61	4	Jefferson	15,500.00		15,500.00	15,215.00	285.00
20	19	Jefferson	30,000.00	10,000.00		20,000.00	(
5	2	Tefferson	20.000.00		_	000000	The second se

Table II (Continued).

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FIFTH BIENNIAL REPORT

Ald Dia Proj.	District.	County.	Total Allotment.	Cancella- tions.	Net Allotment.	Amount Paid.	Balance to Be Pald.
19		Jefferson	7,000.00		7,000.001	7.000.00	
County		Jefferson	9,000.00		9,000.00	9,000.00	
2		Johnson	25,000.00		25,000.00	10,000.00	15.000.00
1		Lafayette	8,800.00		8,800.00	8,800.00	
2		Lafayette	8,200.00		8,200.00	8,200.00	
1		Lawrence	23,794.44		23,794.44	23,794,44	
2		Lawrence	7,411.69		7,411.69	7,411.69	
242 4		Lawrence	12,500.00		12,500.00	4,000.00	8.500.00
5		Lawrence	11,850.00		11,850.00	11,850.00	
46 6.		Lawrence	33,700.00		33,700.00	33,700.00	
84 7		Lawrence	3,500.00		3,500.00	2,975.00	525.00
County		Lee	20,000.00		20,000.00	10,000.00	10
163 1		Lincoln	2.000,001		2.000.00	2.000.00	
195 1		Lincoln	10.621.75	10.621.75			
2		Lincoln	12.500.001	10,621.75	1.878.25	1.878.25	
3		Lincoln	13,500.00		13.500.00	13.500.00	
186 4	2	Lincoln	6,000.00		6,000.001	4.500.00	1.500.00
2		Little River	4.200.00		4.200.00	4.200.00	
148 5.		Little River	5,420.00		5,420.00	4.646.76	
7		Little River	20,000.00		20,000.00		20,000.00
147 8		Little River	4,477.26		4,477.26	4,477.26	
130 1		Logan	16,670.00		16,670.00	16,670.00	
88 1		Lonoke	2,000.00	2,000.00			
19-20 2		Lonoke	5,003.65	122.76			
3		Lonoke	5,169.00	2,000.00		3,169.00	
4		Lonoke	19,000.00				
Arkansas,	Missouri	Lonoke	18,000.00		18,000.00		
149 Madison, Ca	Carroll	Madison-Carroll	50,000.00		,	C1	23,500.00
9 1		Miller	25 500 001	20 000 00			100000

Table II (Continued).

STATE HIGHWAY COMMISSION

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Proj.	District.	County.	Total Allotment.	Cancella- tions.	Net Allotment.	Amount Paid.	Balance to Be Paid
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		1	Monroe	47,408.20		47,408.20	41,328.17	6,080.03
5Montgomery $42,000.00$ $4,742.61$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.44$ $15,57.61$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,57.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,527.64$ $15,607.00$ $17,000.00$ $17,000.00$ $17,000.00$ $17,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $15,000.00$ $17,000.00$ $17,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$ $12,000.00$	~	1	Montgomery	8,000.00	92.09	16.706.7	16.706.7	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	-	5	Montgomery	42,000.00		42,000.00	29,480.00	12.520.00
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	9	26	Montgomery	20,000.00	4,742.56	15.257.44	15,257.44	-
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	*	1	Newton	20,200.00		20,200.00	15,950.00	24
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	2	Newton	17,000.00		17,000.00	14,450.00	2,550.00
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	~	3	Newton	30,000.00		30,000.00	30.000.00	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	2	County	Ouachita	1,000.00		7,000.00	7,000.00	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	-	1	Perry	18,410.40		18,410.40	15,855.73	2,554.67
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	-	County	Perry	10,000.00		10.000.00	10.000.00	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	~	2	Phillips	55,000.00		55,000.00	55,000.00	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	_	1	Poinsett	57.18		57.18	and the second se	57.18
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	01	County	Pope	15.127.07	109.51	15.017.56	15.017.56	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	-	Ozark Forest	Pope and Newton	20,000.00		20,000.00	20,000.00	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	-	2	Pope	2,000.00		2,000.00	2,000.00	
3 Prairie 6,000.00 6,000.00 6,000.00 6,000.00 4 Prairie Prairie 75,000.00 75,000.00 75,000.00 5 Prairie Arkansas 3,000.00 75,000.00 75,000.00 5 Stuttgart Western Prairie, Woodruff 22,526.27 22,556.27 22,556.27 5 Stuttgart Western Prairie, Woodruff 25,000.00 3,000.00 3,000.00 6 County Pulaski 20,000.00 25,000.00 30,000.00 7,948.89 7 County Pulaski 10,000.00 25,000.00 30,000.00 7,948.89 7 Randolph 10,000.00 25,000.00 35,000.00 7,948.89 8 Sabib 25,000.00 35,000.00 35,000.00 15,000.00 7 Pulaski 10,000.00 35,000.00 35,000.00 15,000.00 8 Saine 15,000.00 10,000.00 15,000.00 15,000.00 8 Saine 15,000.00 10,000.00 15,000.00 15,000.00 1 10,000.00 10,		1	Prairie	17,000.00		17,000.00	17,000.00	
4 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 75,000.00 7000.00 75,000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00 7000.00<	-	3	Prairie	6,000.001		6,000.00	6,000.00	
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-	4	Prairie	75,000.00		75,000.00	75,000.00	
Stuttgart Western Prairie, Arkansas 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 3,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,000.00 1,0		2	1	22,526.27		22,526.27	22,526.27	
6 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 20,000.00 20,000.00 20,000.00 20,000.00 20,000.00 20,000.00 20,000.00 20,000.00 20,000.00 20,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000.00 25,000		Stuttgart Western		3,000.00		3,000.001	3,000.00	
Camp Pike Pulaski 58,585.92 2,504.91 56,081.01 56,081.01 County Pulaski 30,000.00 30,000.00 30,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,5500.00 1,5500.00 1,5500.00 1,5500.00 1,5500.00 1,5500.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.00 1,5550.	-	6		25,000.00		25,000.00		25,000.00
County Pulaski 30,000.00 30,000.00 30,000.00 30,000.00 30,000.00 30,000.00 30,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 35,000.00 36,000.00 35,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,000.00 36,	-	Camp Pike	Pulaski	58,585.92	2,504.91	56,081.01	56.081.01	
Picron Pulaski 60,000.00 25,000.00 35,000,00 35,000,00 7,948.89 7 7 Pulaski 10,000.00 25,000.00 7,948.89 7 1 Randolph 1,500.00 1,500.00 1,500.00 7,948.89 7 3 33,039.11 33,039.11 33,039.11 33,039.11 35,039.11 35,039.11 3 Saline 15,000.00 15,000.00 12,550.00 12,550.00		County	Pulaski	30,000.00		30,000.00	30,000.00	
7 Pulaski 10,000.00 7,948.89 1 1 1.500.00 1.500.00 1.500.00 1.500.00 1.500.00 2 33,039.11 33,039.11 33,039.11 33,039.11 33,039.11 3 12,550.00 1.2,550.00 12,550.00 12,550.00 12,550.00	-	Picron	Pulaski	60.000.00	25,000.00	35.000.00!	35,000.00	
1 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,	-	7	Pulaski	10,000.00		10,000,001	7.948.89	2.051.11
33.039.11 33.039.11 33.039.11 33.039.11 3 4 12.550.00 12.550.00 12,550.00 12,550.00 1 Scott 15,000.00 15,000.00 12,550.00		1	Randolph	1,500.00		1.500.00	1.500.00	
4 12,550.00 12,550.00 1 15,000.00 12,550.00	-	3	Randolph	33,039.11		33,039.11	33,039.11	
1 Scott	-	4	Saline	12,550.00		12,550.00	12,550.00	
		1	Scott	15,000.00	15.000.001			

Table II (Continued).

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FIFTH BIENNIAL REPORT

Proj. Noj.	County.	Total Allotment.	Cancella- tions.	Net Allotment.	Amount Paid.	Balance to Be Paid
	Scott	25,000.00	12,470.44	12,529.56	12,529.56	
Bridge	. Scott	17,500.00		17,500.00		17,500.00
40 1	Searcy	14,545.49		14,545.49	13,843.01	
1	Sebastian	19,600.92	19,600.92			
Fort Smith, Van Buren.	Sebastian	. 25,000.00	2,558.58	22,441.42	22,441.42	
T	Sevier	5.923.94		5.923.94	5.923.94	
115 2.	Sevier	. 25,500.00		25,500.00	25,500.00	
4	Sevier	10,500.00		10.500.00	10,500.00	
7	Sevier	5,000.00		5,000.00	5,000.00	
35 1	Sharp	29,362.08	8,862.08	20,500.00	20,500.00	
County	Sharp	2,500.00		2,500.00		2,500.0
-	St. Francis	. 8,250.00		8,250.00	5,000.00	3,250.0
6	St. Francis	10,750.00		10,750.00	9,000.00	1,750.
2	Stone	40,000.00		40,000.00	38,300.00	1,700.00
Sylamore	Stone	2,000.00		2,000.00	2,000.00	
1	Van Buren	. 51,000.00		51,000.00	51,000.00	
2	Van Buren	3,500.00		3,500.00	3,500.00	
Beebe, Antioch, Lonoke	White	12,500.00		12.500.00	2,500.00	10,000.00
Bridges.	. Woodruff	4,631.76		4,631.76	4,631.76	
-	Woodruff	17,500.00		17,500.00	17,500.00	
3	Woodruff	15,000.00		15,000.00		15,000.00
95 County	Yell	17,890.37		17,890.37	17,890.37	
1	Yell	20,000.00		20,000.00	20,000.00	
Totol		00 110 011 00	02 1 2 1 E C	011 21 21 011 011 011 010 00 00 00 00 00 00 00 0	10000000	

Table II (Concluded)

STATE HIGHWAY COMMISSION

	Allotment State Aid.	Cancella- tions.	Net Allotments State Aid.	Allotments Federal Aid.	Cancella- tions.	Net Allotments Federal Ald.	Total State and Federal Aid Allotted
Arkansas	- \$ 9.264.32		\$ 9,264.32	40	8	\$ 285,250.00	\$ 294,514.32
Ashey				94,292.58	1,300.94	92,991.64	92,991.6
Baxter	5,250.00		5,250.00	134,750.00	107,500.00	27,250.00	32.500.00
3enton	37,000.00		37,000.00	222,937.13	81,000.00	141,937.13	178,937.13
Soone	62,500.00		62,500.00				62.500.00
Bradley	7,500.00		7,500.00	******			7 500 00
Calhoun	3,718.00		3,718.00	60,000.00	60,000.00		3.718.00
Carroll	100,911.15	12,000.00	88,911.15	19,021.11	5,142.84	13.878.27	102.789.42
Chicot				209,133.24	20,748.72	188.384.52	188 384 52
Clark				131,176.09	2,738.09	128,438.00	128,438.00
Cleburne							
Cleveland	15 000 00		15 000 00	00 004 141	00 000 00		
Columbia	00.000 PT		nn'nnn'nt	00.001 TIT	00.000.00	00'00'TA	106,700.00
				60.280,18	16,046.04	65,046.05	65,046.05
onway				372,812.59	62,156.59	310,656.00	310,656.00
Craignead				220,058.60	35,722.44	184,336.16	184.336.16
rawford	10,500.00		10,500.00	95,801.40	95,801.40		10.500.00
rittenden		9,000.00	26,000.00	LQ.	80,000.00	456,000.00	482.000.0
ross	10,250.44		10,250.44	65,385.83	16,000.00	49.385.83	59.636.27
Jallas	26,084.03	7,699.97	18,384.06		20,000.00	91,500.00	109.884.0
uesna	5,000.00	5,000.00		155,994.89		155,994.89	155.994.8
Drew				105,143.94	72,447.34	32,696.60	32.696.60
raukner	25,149.74	19,527.29	5,622.45	221,694.40	****	221,694.40	227.316.8
Franklin	30.000.00		30,000.00	107,000.00		107,000.00	137.000.0
nuton				156,790.04	114.790.04	42.000.00	42.000.00
Jarland	14,200.00	1,586.42	12,613.58	24,630.10	24,630.10		19,613,58
Jrant	78,663,84	6,274.38			41,640.00	53,900.00	126,289.46
allaalt		***************************************		26.899.77	26,899 77	A DESCRIPTION OF THE PARTY OF T	Contraction of the second second

Table III Statement Showing Status of Federal and State Aid Allotments to All Counties of the

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FIFTH BIENNIAL REPORT

howing Status of Federal and State Aid Allotments to All Counties of the	State to July 1, 1922.
Table III Statement S	(Continued)

119,446.9920,000.00 171,050.6016,670.00 134,849.89 45,357.16 8,500.00 108,346.21 33,000.00 121,785.68 13,000.00 21,800.00 38,760.72 65,165.35 96,966.58 131,335.89 37,000.00 40,620.00 45,500.00 280,000.00 81,800.00 7,000.00 28,410.40 506,800.00 State and Federal Aid 5,000.00 7,844.11 Allotted. Total 30,000.00 147,672.35 8,500.00 40,000.00 13,000.00 17,400.00 86,629.70 37,000.00 21,760.72 34,391.80 26,766.58 21,000.00 68,800.00 26,690.86 89,800.00 280,000.00 51,800.00 Allotments Federal Aid. -----Net 74,572.7191,400.00 30,000.00239.28 42,419.04 18,600.00 5,132.30 67,857.16 7,936.06 19,000.00 94,216.55 50,000.00 65,000.00 16,670.00 13,169.00 58,000.00 9,500.00 7,250.00 Cancella-tions. 102,969.00 68,000.00 26,766.58 111,572.71 160,200.00 60,000.00 17,250.00 90,400.00 5,132.30 86,629.70 115,216.55 105,000.00 22,000.00 44,190.86 50,000.00 147,672.35 171,522.74 67,857.16 8,500.00 40,000.00 298,600.00 34,391.80 7,936.06 9,500.00 55,419.04 50,470.61 Allotments Federal Aid. 59,936.89 21,716.51 17,000.00 34,097.26 28,410.40 57.18 65,165,35 70,200.00 53,000.00 91,785.68 25,000.00 20,000.00 23,378.25 5,049.89 5,357.16 5,500.00 47.408.20 7,844.11 7,000.00 Net Allotments State Aid. 4,122.76 7,320.29 10.000.00 21.243.50 20.000.00 834.65 ------------------Cancellations. ----17,000.00 92,756.13 59,935.89 53,000.00 101,785.68 47,408.20 70,200.00 57.18 29,036.80 12,000.00 25,000.00 20,000.00 44,621.75 34,097.26 6,670.00 49,172.65 5,357.16 500.00 7,000.00 28,410.40 55,000.00 Allotment State Aid. 22 **** --------------------ohnson Nevada Ouachita ------Lonoke ----------------Madison ****** Logan Perry ----ndependence Little River Montgomery Hot Spring Hempstead Mississippi Lawrence Lafayette Jefferson Jackson Poinsett Howard Monroe Lincoln Newton Phillips Marion Miller Pike Zard Lee

STATE HIGHWAY COMMISSION

	Allotment State Aid.	Cancella- tions.	Net Allotments State Ald.	Allotments Federal Aid.	Cancella- tions.	Net Allotments Federal Aid.	Total State and Federal Aid
Polk				157.936.07	16.500.00	141.436.07	141.436.07
Pope	31.127.07	109.51	31.017.56	119.233.42			150.250.98
Prairie	142.901.27		142,901.27	50,400.00	29,000.00	21,400.00	164.301.27
Pulaski	158,585.92	27,504.91	131,081.01	323,175.00	59,956.04	263.218.96	394,299.97
Randolph	34,539.11		34,539.11	40,000.00	40,000.00		34,539.11
Saline	12,550.00		12,550.00	36,809.00	25,309.00	11,500.00	24,050.00
Scott	57,500.00	27,470.44	30,029.56	80,500.00	63,000.00	115	47,529.56
Searcy	14,545.49		14,545.49	72,800.00	27,600.00	45,200.00	59.745.49
Sebastian	44,600.92	22.159.50	22,441.42	215,000.00	80,000.00	135.000.00	157.441.42
Sevier	46,923.94		46,923.94	137,411.23	40,200.00	97,211.23	144,135.17
Sharp	31,862.08	8,862,08	23,000.00	28,500.00	23,500.00	5 000.00	28,000.00
St. Francis			19,000.00	154,467.10	35,000.00	119,467.10	138,467.10
Stone	42,000.00		42,000.00				42,000.00
Union				124.000.00	124.000.00		
Van Buren	54,500.00		54,500.00				54.500.00
Washington				243,550.00	61.050.00	182,500.00	182,500.00
White	12,500.00		12,500.00	136,500.00	12,500.00	124,000.00	136.500.00
Woodruff	42,756,76		42,756.76	83.400.00	12,600.00	70,800.00	113,556.76
/ell	37,890.37		37,890.37	130,000.00	130,000.00		37,890.37
						-	

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FIFTH BIENNIAL REPORT

STATE HIGHWAY COMMISSION

Summary: A summary of these tables shows the following data:

Federal Aid.

Gross Amount Allotted	\$8,463,953.08
Amount Cancelled	2,604,269.24
Net Amount Allotted.	5,859,683.84
Amount Paid	3,270,182.45
Balance to be Paid	2,589,501.39

State Aid.

Gross Amount Allotted	\$2,176,627.66	
Amount Cancelled		
Net Amount Allotted	1,961,911.96	
Amount Paid	1,676,808.80	
Balance to be Paid	285,103.16	

The table showing allotments to counties indicates that all the counties of the State with the exception of Clay, Cleburne, Green and Union have had the use of either State or Federal funds, or both. The four counties noted have built no improved roads and the Department has not been in position to assist them up to the present time.

FEDERAL AID AND FEDERAL AID PROJECTS.

Cooperation Government Difficult:

Federal and State cooperation will always be With Federal difficult under existing laws, particularly for the reason that the Federal laws are based on direct cooperation between the Bureau of Public Roads and the State Highway Depart-

ment and no recognition is given the County or Road Im-The State Highway Department in provement District. turn has no direct supervision of work undertaken by Road Improvement Districts and in a measure is only a clearing house. The ideal way to correct this trouble would be a change in the State Constitution, however, the Commission is of the opinion that a great improvement could be made by amending certain laws in existence and making other necessary ones.

For a long time there appeared to be a general sentiment that Federal Aid in the construction of roads was not desirable and that the cost incident to securing the aid and the annoying delays experienced in waiting Federal approval was not worth the amount received. This feeling has practically disappeared for it is now a well established principle that Federal Aid will continue for years to come and even though the amount of funds available from this source in any one year is not great, the sum total over a period of years will be of material assistance to the State in the completion of its system of highways.

Cooperation with the Federal Government, while not as good as desired, is believed to be as close as possible under existing laws. The requirements of the Bureau of Public Roads have become more rigid from year to year and the time required for securing preliminary and final approval of projects and plans much longer. The fact that the Washington Office of the Bureau delegates practically no authority to the District representative and the fact that there is no disbursing officer for this section other than at Washington materially delays all Federal Aid Projects.

Federal Since the passage of the Federal Aid Road Act in November, 1921, the requirements Requirements More Rigid: of the Bureau of Public Roads have become very extensive. Wider roadbeds must be

constructed, wider and stronger bridges and culverts are required and wider and thicker pavements must be laid. Adjusting conditions in Arkansas to these requirements has consumed a great deal of time, especially for the reason that a large part of the Federal appropriations have had to be used to aid in the completion of roads in those improvement districts which had almost expended the total funds available.

Time Required For Securing Approval Federal Aid Projects: Persons not familiar with the requirements of the Federal law often wonder why so much time is necessary to inaugurate and complete Federal Aid projects. A statement of the procedure followed will tend to clear this uncertainty. A district

or county proposing to construct a road forming a part of the approved system of Federal Aid Highways makes application to the State Highway Department for aid. After a thorough investigation of the project by the engineers of the Department and the determination that the type and kind of improvement is justified, the Advisory Board and Highway Commission allot to the specific project a certain amount of aid. Immediately the officials in charge of the project are notified and requested to prepare and submit certain data which is compiled into what is called a "Project Statement." This statement, accompanied by the proper forms, is sent to the Little Rock Office of the Bureau of Public Roads, where Federal Engineers make a thorough check of it and a preliminary field inspection. If all features are approved the Project Statement is forwarded to the District Office at Fort Worth and thence to Washintgon, where final approval is given by the Secretary of Agriculture. This operation requires on an average of six weeks. In the meantime plans in detail are prepared and submitted for check by the State Highway Department and the local office of the Bureau of Public Roads. In checking these plans a field inspection is necessary and after all features are agreed upon and notice has been received of the approval of the Project Statement, they are forwarded to the District Engineer for his approval and authority to advertise or proceed with the construction work. This procedure consumes a minimum of two weeks. The work can be advertised and bids taken after the approval of the Project Statement, but no contract can be awarded until the necessary authority has been given by the Federal District Engineer. After the award of the contract, work begins and as soon as possibe the necessary contracts and bonds, together with a showing of funds available, are sent to the Washington office. On the basis of these data the "Project Agreement" between the State and the Federal Government is prepared and signed. This procedure generally requires about two or three months. Provided work

has been under way, a voucher can be submitted to the Treasury at Washington through the Bureau of Public Roads immediately on execution of the agreement. Vouchers require from three to five weeks for payment after leaving the Department.

There is no doubt but that the time necessary to initiate and complete road projects in which the Federal Government is participating is entirely too long, however, under existing regulations there seems to be little hope for improvement.

Federal Funds Paid: In spite of the many difficulties under which Arkansas has had to work in handling and using Federal Aid, the State stands high

among the several states in regard to percentage of work completed and percentage of available funds secured. Records of the Department show that to December 1, 1922, out of an available appropriation of \$5,874,071.67 Arkansas has collected \$3,953,038.02 or about 67 per cent and by July 1, 1923, the State will have collected a total approximately 98 per cent of this appropriation.

Type of Federal Aid Roads:

In order to show how the types of roads being built on Federal Aid projects in Arkansas, compare with those types being built by other states, there is shown below a table prepared

by the Department of Agriculture under date of April 1, 1922.

(See Insert Table IV.)

Table IV. Mileage by Types of Federal Aid Projects Under Construction, and Federal Aid Cost Per Mile. April 1, 1922 in United States. (Includes projects entirely completed and those under construction.)

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			les projects e			2	- construction				ľaL
STATES	Graded and Drained Miles	Sand- clay Miles	Gravel Miles	Water-bound Macadam Miles	Bituminous Macadam Miles	Bituminous Concrete Miles	Concrete Miles	Brick Miles	Bridges Miles	Miles	Federal Aid Cost Per Mile
Alabama	3.2	237.5	280.2	20.8	27.3	23.6	4.7		1.2	598.4	\$ 5,604
	73.9		200.1			4.1	70.5		0.8	349.4	8,397
Arizona			650.7	83.9	52.0	177.7	17.4		1.0	982.7	4.391
Arkansas	208.7	**********	137.1		45.6	21.4	242.4		1.5	656.7	10.463
California		000	149.8			1 i	80.0		1.5	444.5	8,122
Colorado	1 47.0	68.2	149.0	*********	27.1		37.5		1	64.6	17,690
Connecticut			*****		21.1			6.2	••••••	34.1	13,128
Delaware						••••••	27.9				
Florida	19.2	34.2	10.0		63.4		_9.5	53.2	2.0	191.4	15,050
Georgia	80.9	761.2	104.5	23.4	58.0	2.5	77.4	0.4	13.4	1,121.9	6,501
Idaho	109.1	18.6	257.9	4.3		24.5	8.5		0.7	423.6	7,599
Illinois	144.6				3.3	8.1	576.2	20.0	0.3	752.4	15,592
Indiana	8.9			7.9		12.0	167.1		0.1	196.0	19,012
	958.5		229.4				212.7	21.2		1,421.8	5,284
Iowa	148.1		112.9	8.4	40.4		214.2	87.1		611.2	10,864
Kansas	211.4		39.1	60.8	66.6		21.8		0.1	399.7	11,152
Kentucky			653.1	3.2		5.7				669.3	5,430
Louisiana	7.3				88.9	•	22.4		0.2	162.1	16,100
Maine			50.5	0.1		5.9	111.3			171.1	13,712
Maryland	2.7		23.9	0.1	27.3	5.8				160.8	16,875
Massachusetts			3.5	4.6	66.6	31.3	54.8			480.8	12,186
Michigan			201.2	16.6		51.0	212.0		0.1		
Minnesota	167.3	18.0	1,669.7			20.9	195.8		0.1	2,071.7	4,080
Mississippi	159.0		469.9	11.3	5.3		47.9	6.3		699.7	5,954
Missouri	78.3		311.3	43.9	72.0	2.6	125.5	1.7	0.6	635.8	7,933
	233.6		450.1	16.0	7.9		26.1		1.2	724.9	5,433
Montana	1,437.2	67.6	86.9				9.2	7.5	0.5	1,608.9	2,860
Nebraska	31.2		133.1				31.4		0.2	195.9	7,454
Nevada			84.8	15.1	16.4	22.5			0.1	138.9	7,867
New Hampshire	P		3.4		1.3	5.0	90.9			100.6	17,497
New Jersey	0.45.4	F 1			1.0	1	21.3		1.3	780.5	3,473
New Mexico	245.4	5.1	507.4		149.9		248.9			391.2	17,662
New York				40.0	142.2	70.0			0.6	926.1	6,608
North Carolina	86.6	601.7	75.6	19.0	42.4	72.0	28.3				2,891
North Dakota	1,026.5	5.0	134.0				1.9	150.0	1.3	1,168.7	
Ohio	14.7		6.5	89.1	117.7	72.7	214.3	156.6		671.6	11,977
Oklahoma	27.4	2.0	327.9		0.6	25.8	133.2	0.4	3.0	520.3	10,637
	96.7		271.4	25.6		40.5	41.4		0.3	476.0	9,027
Oregon					7.5	86.5	522.8	21.8		638.7	19,465
Pennsylvania	••••••				8.7	27.6	2.3			38.6	16,513
Rhode Island	8.5	533.0	114.4		3.0	8.3	39.6	0.2	5.8	712.7	4,910
South Carolina			670.6		1				0.5	826.7	4,690
South Dakota	155.5		54.9	134.8	206.4	7.4	24.6		0.4	449.1	13,284
Tennessee	20.5	40.4			60.5	28.8	109.6		2.3	2,506.5	5,070
Texas	111.5	42.4	1,663.0	488.4	00.0		34.7	******	0.9	269.0	7,350
Utah	136.8		79.6	9.3		7.7		*	0.2	55.3	12,880
Vermont			35.6	1.4	14.7	10.5	3.5	********			
Virginia		105.9	52.1	101.2	64.7	12.5	72.5		0.4	409.3	10,098
Washington	26.5		210.0				140.2		1.0	377.7	11,162
West Virginia	117.9	1.0	18.2	4.3	73.3	11.4	70.2	11.3		307.6	9,934
Wiegongin	243.8	111.2	435.9	10.3	9.6		222.5		0.1	1,033.4	5,432
Wisconsin	447.6	53.3	100.2			1.2	18.4		2.2	622.8	4,712
Wyoming			11,070.4	1,203.7	1,420.7	821.1	4,645.3	393.9	45.6	29,250.7	\$ 7,415
TOTALS	6,986.0	2,663.9			·				0.2	100%	
The states a States	- 23.9	9.1	37.9	4.0	4.9	2.8	15.9	1.3	0.2	100%	
								•		11070	·

Summary of Table ages of types. The computations on Types: follows:	
	Per Cent
Total percentage for United States for Grade Sand Clay, Gravel and Water-bound Macadan roads For Arkansas, same types. Total percentage for United States for Bitumin ous Macadam, Bituminous Concrete, Concret	m 74.9 74.7
and Brick roads	24.9
For Arkansas, same types	25.2

The figures indicate conclusively that the average type of highway being constructed in Arkansas on Federal Aid projects compares favorably with the average type of road being constructed over the whole country.

ArkansasArkansas Federal Aid projects are numerousFederal Aid
Projects:and are scattered over all parts of the State;
only a few of them do not form a part of the
State System of roads which has been desig-
nated by the Highway Department and the Federal Govern-
ment. The types are varied. There is shown below a com-
plete table of all existing Federal Aid projects, their location,
length, type, cost, aid allotted and their construction status:

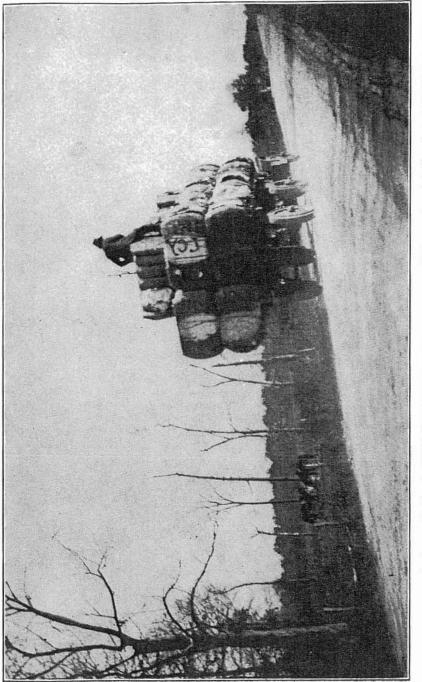
(See Insert Table V.)

From a study of the table the following facts are deduced:

11120 12 1		
100.0	139	Total number of Federal Aid Projects
48.5	63	Total number of projects completed
23.8	31	Total number of projects under construction
4.6	9	Total number of projects held up for material
		Total number of projects awaiting provisions
5.4	7	for funds and result of litigation
4.6	6	Total number of projects ready to begin work
		Total number of projects waiting completion
		of plans and approval by Bureau of
13.1	17	Public Roads

The table also shows that the estimated cost of all aid items included in Federal Aid projects submitted is \$17,551,-369.65 with the total amount of aid allotted equaling \$6,693,-304.36. The total mileage of all types of road included in Federal Aid Projects is 1,369.59 with 651.12 miles included in projects which have actually been completed. A summary of the Federal Aid mileage relative to types and the amount in completed projects and those proposed and under construction is as follows:

	Mileage under construction	fileage in ompleted	
Total	and proposed	projects	
874.10	443.21	440.89	Gravel
6.81	6.81		Macadam
6.42		6.42	Surface Treated Gravel
39.73	21.25		Surface Treated Macadam
141.07	125.72		Bituminous Macadam
			Bituminous Concrete on
156.15	30.58	125.57	Concrete Base
			Bituminous Concrete on
50.83	19.38	31.45	Stone Base
93.50	81.15	12.35	Cement Concrete
0.98	0.37^{+}	0.61*	Bridges
1,369.59	718.47	651.12 t.	Totals * 3,197 feet; † 1,975 fee



Loads which are being carried by the improved roads of Craighead County. This truck and trailer is transporting twenty-nine bales of cotton.

WORK OF THE STATE HIGHWAY DEPARTMENT.

Outline of Work of Department.

The work of the Highway Department covers the broad field of administration, finance, construction and maintenance and is made very difficult because of inadequate laws not giving the department direct control of the work. The routine work required in handling correspondence has been unusually heavy because of the extended proceedure involved in operating State and Federal Aid projects. The work necessary in meeting Federal requirements, the preparation and checking of plans, specifications and estimates, the securing and disbursing of Federal funds, the supplying of information to firms and individuals keeps the office force constantly busy.

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Preliminary Surveys and Estimates.

Petitions During the early part of 1921 there was prac- **Received:** tically no effort made to organize Road Improvement Districts under the General Road

Law. With improving conditions, however, the sentiment for improved roads has increased. There have been received and filed 36 petitions and the department has made surveys, plans and estimates for 25 projects under the Alexander Law.

Mileage and Estimated Cost: The roads surveyed aggregate 238 miles in length and the work is estimated to cost approximately \$1,960,000.00. Petitions filed show that 24 counties were represented. The

following table gives a list of petitions filed and shows action taken on them:

LITTLE ROCK PUBLIC LIBRARY LITTLE ROCK, ARK.

	W	When	Description		E	Estimated	
Viunori	Rece	Received	and Location	Lengun	1.ype	Cost	Hemarks
Calhoun	Feb. 15, '21	15, '21	Dallas County Line to	1	Graded-		
Chirot	War 6 "99	66.	I ake Village to Sunny-	CC.1	gravel	\$ 1,000.18	
		1	side	8.82	Gravel	83.364.98	
Columbia.	Mar. 3,	3, '22	Magnolia-Emerson-				
		-	Brister	19.14	Gravel	206,718.90	
Craighead	Feb.	Feb. 17, 22	Foresboro West and				Vina di manda
Craighead.	May 1	2. '22	r	7.43	Gravel	122.488.63	naunburger
Craighead	Nov.	20. '22	Jonesboro-Bono				Survey not made
Cross.	Apr. 2	Apr. 28, '22	Birdeye-Cherry Valley.	5.91	Gravel	49.285.28	
Greene	Feb. (6, '22	Ξ.				20 21 20
			South				Abandoned
(rreene.	Sept. a.	D. 12	Paragould-trainesville-				-
irrenne.	Vov	66. 8	Paragould South-Craig.				Jurvey made. Plans
			head County Line				Survey not made
Independence	Mar. 14,	14, '22	White River Bridge	1. 1956	Gravel-		
2 100 E	STORES AND ADDR		and Road	1).44	steel	250,000.00	
Jackson	1921		. R. I. D. No. 8				Survey not made
Jackson	Vlul.	1. 22	White Co. Line, Grand	1		A COMPANY AND A REPORT OF A REPORT OF A REAL AND A	
			Glaise and Laterals	9.25	Grave)	103,186.69	
Jackson	July	July 22, '22	Grand Glaise, Newport.	15.77	Grave]	202,039.69	
Jackson	Sept.	5, '22	Old Grand Glaise Fer-				
	1		ry-Engleside-Newport				Survey made. Plans
Jefferson-Grant.	Apr. 6.		R. I. D. No. 1	8.60	Gravel	73,356.10	not vet prepared.
Lonoke.	Apr.	15, 22	Hamilton South-Jeffer-				•
			son County Line	14.66	Grave]	128,575.05	
Marion	July L 21	21	Yellville-Bush	10.67	Gravel	34 493 15	

TABLE VI.

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FIFTH BIENNIAL REPORT

Mississippi May 19, '22	May 1	9, '22	4	1 K. 000	General	00 280 20	
	May 19, '22	9, '22	1.1	-	Grading	21,047.15	
Monroe	Mar. 2	22	- 6	······			Survey being made
	Aug. 1	7, 21					Abandoned
	Aug. 1	1.21					. Abandoned
Newton	Dec.	. 21	Boxley-Walnut-J o h n-	h n- 1			Mondanad
Newton	Dec. 22, '21	2, 21	-	ine-			hanommerce
				17.7	Graded	30,574,50	
Newton.	Nov. 30, 721	1201	2			20.011.20	
Darry	Inter 1	16.		111	Mecodom	00,118,80	61 - 1 -1
Pike	Heb.	Peb. 27. '22	Antoine-Murfreeshore.		Incharyar.	11.204,12	
			e	27.14	Grave)	160,722.27	
Poinsett	July 30, "22	0. '22	S			31	
			1	the second second			Survey made. Plans
Prairie	Nov. 22.	17	Fairmont-Slovak	10.34	Gravel	101.104.02	not yet prepared.
Pulaski	Feb.	24, 22	-	g	Concrete	8,350.76	
Saline	July	11, 22	~	ine-			
			-			the second secon	Survey made, Plans
Searcy	Oct. 27,	7. 21	Marshall - Weston	1			not yet prepared.
10 100 10 10 10 10 10 10 10 10 10 10 10	_13			29.03	Graded	169,545.75	
Sevier	Mar.	12, 21	Paraclifta-Ben Lomond	-			Survey not made
Washington.	Mar. 2, '22	12					
				6.43	Graded	35,595.78	
Washington	June 7, "22	1, 22	н —	iap- [2200		
		1.5	Bassett	······			. Survey not made
TATATO							

Table VI. (Continued)

STATE HIGHWAY COMMISSION

State Standard Plans.

In order to have bridges and structures designed and built to meet present and future traffic and to comply with the constantly changing requirements of the Federal Government, it has been necessary for the department to make many new standard plans.

Loads on Loads have increased to such an extent that the Bridges: bridges and culverts upon the principal system

of highways must be designed to carry safely a 15-ton truck load for one line of traffic and two such loads for two lines of traffic. The fact that these loads are usually being hauled at a rapid rate of speed requires that in addition an impact allowance be made in designing bridges. Tests made recently show this impact force in some cases increases the normal load on structures as much as 600 to 700 per cent.

Widths of In the past it has generally been assumed that Bridges: a bridge, having a sixteen-foot roadway was ample to take care of all ordinary highway traffic. The impetus given truck transportation by the construction of improved roads has practically forced the construction on main highways of bridges with an eighteenfoot clear roadway and in some cases it has been desirable to make them wider.

Standard Plans Below is given a list of standard plans Available: which have been prepared by the department and are available for use by counties and road improvement districts over the State:

Fifteen Foot Clear Roadway, Wood Floors.
Steel I-Beam Bridge
Low riveted trusses
High riveted trusses
High pin connected trusses120, 130, 140, 150, 170 ft. spans
Sixteen Foot Clear Roadway, Wood Floors.
Steel I-Beam Bridge
Low riveted trusses
High riveted trusses
Eighteen Foot Clear Roadway, Wood Floors.
Steel I-Beam Bridge
Low riveted trusses
High riveted trusses
Eighteen Foot Clear Roadway, Combination Floors.
Low riveted truss
High pin connected truss 200 ft span

Timber pile and timber framed bent

State Standard Specifications.

Specifications Being Revised: For the past several years it has been found necessary to change and revise the State Standard Specifications to meet

changing conditions and to remedy certain defects and conflicting statements in the original ones. In 1920 it was decided to completely revise the original specifications and some little work was done at that time, however no results were accomplished. During 1922 a great deal of exhaustive work has been done so that at this time the rough draft of the revised specifications has been completed and it is expected that early in 1923 this draft will be completely checked and approved by the Bureau of Public Roads and ready to be turned over to the printer.

An attempt is being made in revising the specifications to make them applicable to all classes of highway work and to make them so clear and specific that the possibility of litigation based on them will be reduced to a minimum.

Cooperation With County and Road Improvement District Officials.

Standardizing County Bridge and Road Work: One of the most important parts of the work of the Highway Department during the past two years has been that of cooperating fully with County and Road Improvement District officials to the end of

securing for funds expended the maximum return. An effort has been made to standardize the construction of county bridges and culverts by advising with the County Judges and furnishing plans where these officials have not been able to employ engineers. Particular care has also been given to all work done by the counties toward the substantial improvement of the county roads. The department's district engineers have been ready at all times to assist in the proper location of the county roads and the satisfactory organization of the work to secure best results.

When all of the counties of the State realize that the Highway Department was organized for their benefit and understand that the department is always ready to assist in the solution of any county highway or bridge problem and when these couties use this service to the full extent, a great deal more useful work can be accomplished.

Inspections.

A very large part of the department's activity during the past two years has been given to inspection work. In 1921 when it was determined to divide the State into districts and appoint district engineers in each, the primary object was to give adequate State supervision of all highway work.

Construction and Maintenance Inspections: Inspections are made at regular intervals of all construction and maintenance work and conferences are held with county and road improvement district

officials in order to secure best results and promote harmony. Detail reports of inspections are made by District Engineers and filed with the department, copies of which are sent to the local engineer in charge of the work and the proper officials.

Plans All plans for proposed improvements are **Checked:** thoroughly checked in the main office and are checked in the field to determine whether the

type of improvement is justified and the specific plans adequate. Ordinarily this work is done in conjunction with engineers representing the Federal Government, provided the State contemplates granting Federal Aid.

The Highway Commission is of the opinion that the best results are accomplished when the State Highway Engineers made a sufficient number of personal inspections of the work to become perfectly familiar with what it being done in the field and to coordinate the activities in the several districts. Carrying out this plan the State Highway Engineer has spent at least a fourth of his time traveling over the State and has given his particular attention to those districts applying for aid and those in a very poor financial condition.

In the final analysis the Commission is of the opinion that for highway work to progress satisfactorily and safely under existing laws, it is absolutely necessary that frequent and periodic inspections be made of all construction and maintenance work and that all plans for proposed improvements be checked very carefully before approval.

Log of Highways.

Accurate Road Guide Necessary:

With the very rapid increase in travel by automobile over the highways of the country and the marked increase in the State of Arkansas it has become very necessary, in the opinion

of the Commission, to prepare for these users of our roads a compact, accurate and authenic log. The passage of the Federal Highway Act requiring the designation of a system of roads also makes such a publication desirable.

Progress Working to this end the Highway Department of Work: has undertaken to log all of the roads included in the proposed State Highway System and at

this time has completed approximately 4,500 miles of a total of 6,700. The data is being compiled in convenient book form and when completed will be published and sold at a cost to cover the actual cost of preparation and printing. It is expected that the official log will be available for distribution by the Spring of 1923 and will serve as a valuable guide to automobile 'ourists.

This work is being done by the regular personnel of the department and coordinates very well with the periodic inspection work of the District Engineers.

Expansion of Department Needed.

Adequate Personnel Necessary: The work of the Highway Department has increased to such an extent that the personnel employed cannot handle it in an entirely satisfactory manner. The regular State appropri-

ation provides for only a few men to handle the engineering work and the Commission has been forced to employ additional engineers and pay their salaries out of State and Federal Aid funds as provided in Act 105 of 1917. It would be much more satisfactory if a regular appropriation could be made to care for all personnel and this appropriation made in such a way that a sufficient number of competent men can be employed to take care of the work promptly and expeditiously.

Organization Must be Flexible: In an organization handling the work that comes before the State Highway Department it is essential that there be some flexibility so as to care for the seasonal variations in

the work. It generally happens that during the spring, summer and fall months many requests for surveys are received and many more than the ordinary number of inspections must be made of maintenance and construction work and it is during these seasons that the force employed should be considerably increased. Any provision made for appropriations should recognize this condition and adequately take care of it.

ROAD IMPROVEMENT DISTRICTS.

Road Improvement District Plan Necessary : Of necessity, practically all improved roads in Arkansas have been built by Road Improvement Districts, organized either under the general State law or by Special Act. This method has been followed because the

provisions of the State Constitution prevent the counties and the State from selling bonds for public improvements. Opinion has crystalized to such an extent that it is generally believed that the Road Improvement District plan is not by any means an ideal one and should be modified or done away with as soon as a change in the Constitution can be made placing on the State at least the responsibility of constructing and maintaining State roads.

Arkansas, during the years of 1919 and 1920, carried to excess the principle of building roads under the district plan and excentuated the unsatisfactory conditions which resulted because the vast amount of work undertaken was initiated during times of extremely high prices.

Weaknesses of General Road Law Cause of Many Special Acts:

The general act governing the organization of improvement districts was designed to give adequate protection to the land owner and tax payer and at the time of its passage was considered adequate to permit the building of any type of road

desired by the particular community included in an improvement district. As prices began to mount in 1918 and 1919 it was realized by many of those persons attempting to provide for improved roads that the limit of 30 per cent of the assessed valuations as the total amount of benefits would not provide ample funds for the improvement. This condition may be shown by the following data which was compiled two years ago, using for the study 63 representative road improvement districts:

Number of districts (Alexander Law and
Special Act)63Number of miles embraced1,842 MilesAverage length of road to district30.2 MilesAverage estimated cost per mile\$14,500.00Average assessed valuation per mile\$36,000.00Average assessed valuation per mile3,180Average assessed valuation per acre of land
in district\$11.52

Average Assessed Benefits Under General Law: Under the general road low the average maximum cost per mile could not exceed 30 per cent of \$36,600.00, or \$10,-980.00. As this amount will not, on the

average, build anything better than a gravel road where shipped material is used, and when there is an average amount of grading and bridges, it is very apparent that in the average district it is either necessary to build a cheap road or have the limit of assessment raised.

Average Cost Per Mile of Roads, 1919: This condition is further evidenced by the fact that the average cost of all types from graded earth to concrete roads has been approximately \$14,500.00 per mile, or 32.1

per cent in excess of the average cost per mile perimssible under the general road law. The figures further show the average cost per mile has been 39.6 per cent, or approximately 40 per cent of the average assessed valuation per mile, instead of the 30 per cent as limited by the general law.

Average Assessed Valuation Per Acre: The above figures show the assessed valuation per acré of land embraced in the average district is \$11.52, but this amount includes the assessed valuation of public utilities and cities and towns, all prorated upon an acreage basis.

The actual valuation of the land above is probably not in excess of \$8.00 per acre.

It is the opinion of the Commission that the time required to organize a road improvement district under the general law and the limitation of 30 per cent for benefits has been responsible, more than anything else, for the creation of so many districts by Special Act of Legislature. The table below shows the Special Acts passed by the various State Legislatures:

Ta	\mathbf{bl}	e	V	I	I.	
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Year	Number of Acts Creating New Dists.	Aumber of Curative, Amendatory and Repeal- ing Acts	Total
1913		3	12
1915			15
1917		5	20
1919		44	177
1920 (Special)	140	140	280
1921	5	53	58
Totals		245	562
In addition to the	above approx	imately 200	road im-

provement districts have been provided for under the general law.

Many Districts Abandoned: In considering these figures it must be recognized that many of the districts provided for and organized have been either voluntarily abandoned or repealed and that the totals

shown do not represent the total number of active districts, but do indicate what had been done in a legislative way towards providing for roads by the Improvement District plan.

Road Improvement District Progress and Statistics.

Facts Concerning
Road DistrictBecause of the fact that road construc-
tion work in Arkansas is done either by
Road Improvement Districts or by
counties and there is no central source
through which all details of construc-

tion and expenditures must pass, the true status of the highway program is not well known or appreciated by the general public. In order to secure a statement of this condition the Highway Department has been making a detailed and exhaustive study of the work accomplished by all agencies over the state and has succeeded in compiling some very interesting information.

To set forth this information clearly it is thought best to classify the work in accordance with the types of roads proposed, under construction and completed and to show expenditures to December 1, 1921, expenditures during 1922, estimated cost, bonds issued and sold, other resources, such as county funds and allotments of State and Federal Aid. Space does not permit the detailed data to be shown, however a summary of it is as follows:

FIFTH BIENNIAL REPORT

Table V	ш.	
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Туре	Miles Proposed	Miles With Grading Completed	Miles With Base Course Completed	Miles With Surface Course Completed	Miles Fully Completed Road	Miles on Which no Work Done
Graded	992.74	770.62			770.62	222.12
Gravel	3,369.95	2,898.20	2,305.35	2,256.30	2,256.10	471.75
Macadam	436.58	325.96	221.10	221_10	221.10	110.62
Surface Treated Gravel	23.70	22.70	22.70	22.70	22,70	1.00
Surface Treated Macadam	110.46	51.89	45.89	45.89	45.89	58.57
Asphaltic Macadam	385.10	363.54	260.07	149.91	148.91	21.56
Asphaltic Concrete	350.72	305.23	254.39	244.39	244.39	45.49
Cement Concrete	247.78	216.18	120.27	106.27	106.27	31.60
TOTALS	5,917.03	4,954,32	3,229.77	3,046.56	3,815.98	962.71

Total amount expended to December 1, 1921	\$52,056,217.83
Total a mount expended	
during 1922	8,354,696.83

Gross amount expend- ed to date	\$60,410,914.66
Total estimated cost of mile-	
age shown above	81,811,579.36
Total amount of bonds sold	62,331,704.09
Total amount realized from	
sale of bonds	59,337,361.88
Total amount of other re-	,,-
sources	903,196.03
Total amount of State and	000,200,000
Federal Aid allotted	9,224,368.33

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STATE HIGHWAY COMMISSION

The table below shows the mileage of the several types of road completed to December 1, 1920, during 1921 and during the past year, as well as that mileage of the proposed work yet to be completed.

Туре	Miles Proposed	Miles Com- pleted to Dec. 1, 1920	Miles Com- pleted Dur- ing 1921	Miles Com- pleted Dur- ing 1922	Miles to be Completed
Graded	992.74	180.0	386.17	204.45	222.12
Gravel	3,369.95	273.0	1,349.92	633.18	1,113.85
Macadam	436.58	47.0	159.11	14.99	215.48
Surface Treated Gravel	23.70	10.0	12.70		1.00
Surface Treated Macadam	110_46	20.0	22.20	3.69	64.57
Asphaltic Macadam	385.10	48.0	44.68	56.23	236.19
Asphaltic Concrete	350.72	17.0	207.69	19.70	106.33
Cement Concrete	247.78	20.0	63.57	22,70	141.51
TOTALS	5,917.03	615.0	2,246.04	954.94	2,101.05

	Т	able IX.		
Yearly	Progress	Arkansas	Road	Work.

The important features to be remembered in connection with these figures are that the proposed work covers a mileage of 5,917 of which 3,816 miles have actually been completed, that the estimated cost of this work is approximately \$82,000,000.00 and that approximately \$62,300,000.-00 in bonds have been sold. These figures show clearly the vast amount of work undertaken by the State and its wonderful progress in completing its program.

COUNTY DATA.

It frequently happens that information is desired relative to county assessments, county road mileage and other statistics. In order to supply this demand a series of tables will be given below containing such information of value.

COUNTY	Population 1920	Area in Acres	Average Elevation in Feet	Assessed Valuation Real Property 1922	Assessed Valuation Personal Property 1922	Total Assessed Valuation 1922
Arkansas	21,483	640,000	250	\$7,487,026	\$2,501,558	\$9,988.584
Ashley	23,410	601,600	210	5,083,987	2,254,034	7,338,021
Baxter	10,216	375,040	800-1400	1.674.675	721,281	2,395,956
Benton	36,253	560,640	1200-1500	8.193.447	3.695.175	11.888.622
Boone	16,098	389,120	1000-1800	2.887.022	1.376.875	4.263,897
Bradley	15,970	421,760	250	3.022.163	2.137.053	5.159.216
Calhoun	11,807	402,560	250	2.451.712	974.919	3.426.631
Carroll	17,786	410,240	1200-1800	2.841.290	1.363.237	4.204.527
Chicot	21,749	388,480	137	4,993,365	1.442.118	6.435.483
Clark	25,632	564,480	250-300	5,147,674	2.259.445	7.407.11
Jlay	27,276	418,560	200	5.923.862	1.919.201	7.843.063
Cleburne	12,696	381,440	500	1.770.559	750,098	2.520.65
Cleveland	12,260	385,920	204	1,897,945	672,991	2.570.93(
Columbia	27,670	502,400	322	3,750,175	2,480,604	6,230,779
onway	22,578	360,220	286-771	3,306,356	1,335,364	4.641.720
Craighead	37,541	439,680	271	9,768,226	3,308,428	13.076.65-
rawford	25,739	379,820	400-800	5,595,150	2,242,566	7.837.716
rittenden	29,309	372,480	220	9.481.273	1.410,152	10,891,42;
ross	18,579	396,160	215-300	6.561,154	984,217	7.545.371
Dallas	14,424	434,560	285	2,735,391	1,395,370	4,130,761
Jesha	20,207	478,080	140 - 200	1,047,204	1,058,353	6,005,647
)rew	21,822	542,080	281	3,606,615	2,052,453	5,659,068
aulkner	27,681	416,640	400	3,692,170	1,566,214	5,258,38
Franklin	19,364	387,840	489	3,643,987	1,723,265	5.367.252
Fulton	11,182	100,000	582	1,501,615	796,210	2.297.825
Jarland	25,785	403,840	500 - 1200	9,433,611	4,961,029	14.394.64(
Grant	10,710	407,680	310	1,901,997	788,129	2,690,120
reene	26.105	359 040	903	1 708 085	111 521	0 117 017

Table X.

STATE HIGHWAY COMMISSION

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Population, Area, Average Elevation and Assessed Valuations of the Counties of Arkansas.

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Acres	Average Elevation in Feet	Assessed Valuation Real Property 1922	Assessed Valuation Personal Property 1922	Total Assessed Valuation 1922
4 17,784 17,784 18,575 18,575 18,774 19,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154 10,154	165.380	350	5.773.145	2.642.359	8,115,504
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5	873.126	1007	1.595.995	154.381	2.550.376
5 25 50,331 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,55 50,550	105,760	1117	6.642.083	115,161,1	8.899.700
2 1062 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 105552 1055552 1055552 1055552 1055552 105555552 10555552 105555555555	577,920	197	15.615.420	6.931.667	180,746,05
5 25 52 52 52 52 52 52 52 52 52	00007220	000	1074,605	1.287,022	5.362.227
22,008 23,852 23,852 23,856 24,52 21,521 21,522 21,522 21,522 21,523 21,522 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,523 21,	36,000	278 2	3.014.485	1.731.308	1.745.793
2882 2882 2882 2985 2985 2985 2985 2985	058.850	260	5.361.801	2,065,693	101.724.7
477.88 888.88 898.45 898.45 898.45 898.45 898.45 898.45 898.45 898.45 898.45 898.45 898.45 898.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 808.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 809.45 800.45 800.45 800.45 800.45 800.45 800.45 800.45 800.45 800.45 80	01f9188	07.7	5.957,845	2,308,089	8.265.934
88,85 88,85 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54 10,54	60.000	1007	2,736,205	725.241	3.461.449
25,866 121,121,121,121,121,121,121,121,121,121	919,140	350	3,579,134	1.927.335	5,506,469
8461 8461 1987 1987 1987 1987 1987 1987 1987 198	H64.640	3041-3000	4,433,688	2.089,705	6.523,393
1,918 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015 1,015	008.106	1:2:1	7.396,20N	2,324,623	1.720,921
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11,112 21,934 20,139 20,139 44,536 12,397	85.920	200	0.448,150	1,494,813	6.942.063
21,934 21,199 20,036 44,530 12,397	070.240	700	1,245,035	010.595	1.840.975
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9,005 41,530 12,397	169.120	1221	5,030,306	2,659,624	7.689.930
12,397	553,28F	679	2,009,650	603,213	2.612.863
1	112,880	200	9.772,085	5,157.624	14.929.761
	884°610	506	1,894,073	054,388	2,N4N,461
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FIFTH BIENNIAL REPORT

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Population, Area, Average Elevation and Assessed Valuations of the Counties of Arkansas.

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VIN00)	Preputation 1920	Area in Acres	Average Elevation In Feet	Vssevsed Valuation • Real Property 1922	Assessed Valuation Personal Property 1922	Total Assessed Valuation 1922
Pulk	16.412	541,440	1300	3.889.302	053,110,1	5,503,542
'ohr	27.153	528,920	515	1,803.019	2.192.698	6,295.717
Trutte	17.447	-132,000	11:	1.514,635	1,009.742	6.124.377
uluski	101.001	408,560	120	10 007.N70	23,717,740	69,805,630
dulopus	17.713	418,560	1102	2,524,753	1,756,406	4.2N1.159
Saline-	16.781	196,000	022	3.761.150	1.782,900	0.514,050
brott	13,232	620,800	010	1.884,300	SS0.334	2.764,634
V.BLUY	14,590	430,720	650	1.861.716	8339,014	2,700,730
wheelerstair.	16.739	339.840	200	18.174.690	19,540,831	29,015,521
ievier	18,301	366,080	:1:	3 863,460	1.723.552	5.587.032
sharo	11,132	389,760	08:1-	1.426.565	2.18,672	2,175,237
d. Francis	28,385	020,104	1.50	6,870,621	2,177,571	9,348,192
dume	511.2	301,0.00	N.50	1013.110	102.005	1,103,311
nini.	109.02	()21()21)	250	6,797,230	9,420,233	16,217,472
an Buren	13,066	467,200	500	1,032,761	-165,160	1,407,921
Vashington	35,468	111,200	1-450	8,680,910	1,046,521	12.727.431
White	34,6013	663.680	306	6,803.133	2,865,687	9,068,820
A coolruft	21.5.17	369,280	206	5,167,803	1.510,898	107.870.0
[lol]	25,055	611,200	577	4.285.975	1.828.252	6.114.227
Total	1.752,204	33.616.000		\$396,589,565	\$179.184.078	\$575.773,643

STATE HIGHWAY COMMISSION

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	Miles	Prop.	Proposed State Highway System	ighway Sy:	stem	Roa	d Improve	Road Improvement Districts	
LINDOD	Road	Primary	Secondary	State	Total	No. of Dists.	Mileage	Estimated Cost	Types of Improved Roads
Arkansas	1963		98.65	24.30	122.95	4	207.80	\$4.545.492.31	Gravel and Asphalt
Ashley	1200		89.85	42.16	132.01	ന	54.51	979.960.45	and
Baxter	1420		41.00	42.88	83.88	0	34.50	375 000.00	
Benton	1693	36.70	70.67	25.00	132.37		239.96	1 895 673.00	Gravel
Boone	800	27.00	44.93	37.83	109.76	2	53.18	195,988.00	Graded and Gravel
Bradley	750		30.00	29.00	59.00				
Ihoun	805		67.35		67.35				
Carroll	1270	43.30		44.20	87.57	9	95.19	481.707.00	Gravel
licot	421	40.78	33.85	12.58	87.21	10	92.25	1.887.042.02	Gravel and Asphalt
Clark	1100	38.60	41.95		80.55	5	158.08	1 529 954 00	Gravel
Clay	955	19.50	57.10	6.00	82.60				
eburne	1550		64.87	29.00	93.87				
Cleveland	1600		57.25	1.00	58.25	-	40.90	1 150 979 00	Graval
Columbia	795		63.05	7.00	70.05	0	27.87	306.979.00	Gravel
nway	824	22.27	39.32		61.59	10	137.07	2.431.000.00	Gravel Macadam Asnhall
Craighead	1041	32.22	49.00	12.60	93.82	4	73.64	1 813 990.51	Ashhalt
awford	1569	48.45		27.40	75.85	4	102.84	1.140.046.60	Graded
Littenden	884	53.12	22.30		75.42	~	280.83	6,051,425.00	Gravel and Concrete
OSS	752		53.20		53.20	-	78.02	1,696,975.00	Gravel
Dallas	1100	35.40	59.70	16.80	101.90	~	233.30	1.065.596.00	Gravel
Desha	250	30.10	60.55	7.80	98.45	6	51.37	1.114,614.14	Gravel and Asphalt
Drew	1651	7.20	66.70	21.40	95.30	0	16.80	413 305 40	Asnhalt
Faulkner	725	44.87	38.30	8.00	91.17	110	07 66	1 818 990 95	Achholt
Franklin	980	24.45	4.40	35.00	63.85		23.90	383 500.00	Gravel
Fulton	1000		47.65	23.00	70.36	·	29.00	183,000.00	Gravel
Jarland	437	34.80	35.40	17.00	87.20	-	35.80	569,690,00	Gradad and Graval
Grant	1530	28.50	43.10	25.20	96.80	10	144.57	1.255.740.96	DIE
reena	1000								

Table XI.

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FIFTH BIENNIAL REPORT

	Miles	Prop	Proposed State Highway System	ighway Sy	stem	Roa	d Improv	Road Improvement Districts	
COUNTY	Public Road	Primary	Secondary	State	Total	No. of Dists.	Milenge	Estimated	Types of Improved Roads
Hemostead	1288	21.65	37.50	21.50	80.65	9	86.68	1,050,821.99	Gravel
Hot Spring	1600	28.25	38.35		66.60	-	28.45	20,000.00	Graded and Gravel
Howard	1320		39.15	50.60	89.75		35.25	690,989.27	Gravel
ndenendence	912		68.70	31.22	66.66	-	46.95	244,000.00	Gravel
zard	1750		67.62	17.85	85.47	21	50.49	325,000.00	Gravel
ackson	746	42.20	20.70	33.10	96.00	+	90.36	1.103.000.00	Gravel
offerson	1570	40.40	79.60		120.00	12	162.33	1.217.566.09	Gravel, Concrete, Asphalt
ohnson	620	33.90		22.00	55.90	51	50.60	677.534.92	Macadam and Asphalt
aFavette	715		30.55	26.00	56.55	-	31.80	317,603.57	Gravel
awrence	496	39.86	57.10		96.96	6.	179.971	1.596,880.10	Gravel
	716		06.90		69.50				
incoln	415	13.35	35.40	29.15	77.90	1~	89.35	651,920.18	Gravel and Asphalt
ittle River	150	46.00	16.30	23.00	85.30	1~	140.41	1.778,756.01	Gravel
ogan	1654		39.00	37.00	76.03	1	7.40	71,000.00	Macadam and Asphalt
Lonoke	911	38.86	54.25	19.50	112.61	21	177.36	1.750,297.15	Gravel, Macadam, Asphalt
Aadison	1500			133.35	133.35	-	70.20	246,600.00	Graded and Gravel
Aarion	1100		46.05	23.50	69.55	1			
Willer	401	. 55.80	21.35		77.15		72.60	575,000.00	Gravel
Mississippi	1995	46,60	36.60	20.40	103.60	6	341.49	5,885,437.50	Concrete and Asphalt
Monore	465	36.70	33.60		70.30	+	46.22	962,897.81	Gravel
Montgomerv	660	35.85	27.25	32.90	00.00		63.50	170,109.16	Graded and Gravel
Vevada	499	17.60	22.00	34.90	74.50	-	0.50	50.000.00	Gravel
Newton	694	2.00	40.40	75.45	117.85	5	94.10	360,808.36	Graded and Gravel
Juachita	599	34.20	57.40	10.00	101.60	-	18.27	46,223.17	Gravel
Perrv	447		38.20	17.60	55.80	-	38.25	177,462.17	Graded and Gravel
Phillips	905	26.05	62.85		88.90	4	113.37	3,997,032.34	Concrete and Asphalt
oike	583		77.00	6.00	83.00	~	4.60	63,584.51	and
Joinsett	607	24.50	49.40	20.00	03.90		126.72	2.410.854.93	Gravel and Concrete

Road Mileage Data-Counties of Arkansas

STATE HIGHWAY COMMISSION

- HEIGINGO	Miles		Proposed State Highway System	lighway Sy	stem	Road	d Improve	Road Improvement Districts	
COUNTY	Road	Primary	Secondary	State	Total	No. of Dista.	Mileage	Estimated	Types of Improved Roads
Polk	851	47.65	10.80	26.70	85.15	6	64.55	930 000 00	Graval
Pope	835	25.74	43.90	38,50	108.14	14	121.85	1 1 185 391 43	Shale and Aenhalt
rairie	1296	33.50	55.75	4.20	93.45	. H	108.89	1.542.767.85	Gravel and Moradam
Pulaski	619	76.35	10.60	27.23	114.18	0	195.77	5 880 026 74	Mac'd'm Conc'ta Ashal
Randolph	1085	26.70	32.70	35.00	94.40		19.35	178 795 00	Gravel and Mondam
Saline -	837	47.20		25.70	72.90		47.20	1.860,660,00	Gravel and Concrete
Scott	922	59.50	22.40	23.20	105.10	B.D.	Bridge	25,000.00	
Searcy	982	41.80	27.35	33.75	102.90	4	31.93	1 351.647.69	Gravel
Sebastian	954	28.80	14.50	18.00	61.30	3	17.95	1.137,836.00	Shale and Asnhalt
Sevier	670	23.25	62.00		85.25	×	138.95	1.602,022.16	Gravel
Sharp	2116		61.10	9.30	70.40	-	13.09	85,000.00	Graded and Gravel
st. Francis	808	43.60	27.87		71.47	9	160.84	2.549.250.00	Gravel
Stone	2175		40.50	20.23	60.73	2	26.50	132,497.00	Graded and Gravel
Union	1330	28.15	71.55	21.15	120.85	-	12.00	100,000.00	Graded
Van Buren	1500	33.29	23.50	44.00	100.79	9	74.34	457,368,77	Graded
Washington	1011	36.85	32.50	59.70	129.05	10	105.00	988.500.00	Gravel .
White	1075	48.00	56.18	32.00	136.18		77.33	1.529,449.40	Gravel
Woodruff	1200		51.60	7.40	59.00	~	95.05	1 573 068 35	Graded and Manadam
Yell	1408	-	90.80	41.70	132.50	ณ	62.65	731.970.90	Gravel and Macadam
Total	74595	74595 1751 41	12928 57	1247 09	10001 04	-			Inproved the set

FIFTH BIENNIAL REPORT

LITTLE ROCK PUBLIC LIBRARY.

LITTLE ROCK, ARK,

STATE HIGHWAY COMMISSION

HIGHWAY FINANCE, BONDS AND BOND ISSUES.

Highway finance is a subject that has come before the people of practically every State in the Union during the past few years. The steadily increasing demand for more and better highways arising from the increase in motorized traffic and the increased developments of the country has resulted in a financial problem so great as to make it imperative that much study be given the question.

Division of Cost of Highway Construction and Maintenance:

The fundamental questions involved in the solution of this vexing problem are, first, the determination as to what part of the cost of improved highways should be borne by the present tax payer and what part by future generations and, second,

how should the cost be divided between the user of the road and the tax payer in general. The satisfactory determination of these questions will settle for some time to come the ultimate method of highway financing.

Temporary Portions of Improvement:

Permanent and In settling these perplexing questions certain facts must be kept in mind. In any kind of a well projected and executed highway improvement there are certain parts of the work that may be classed as

permanent, and other parts as temporary or semi-permanent. Such features as the location, the right-of-way, the subgrade and many of the structures are classed as permanent and are handed down to posterity. The surfacing may be classed as temporary or semi-permanent, dependent upon the type and quality of work, the traffic and the care taken of the improvement. In this consideration it should be well understood that maintenance, in addition to its usual definition, should also be understood to include reconstruction—or in other words, that type of maintenance which would preserve the improvement from year to year in as good state as when originally completed.

High Types Required by Traffic:

It must again be recognized that while the high types of roads required under present Motor Vehicle day conditions of motor transportation are built for a special class of users, it cannot be said that roads are built entirely for this

class of traffic. The regular development of the country would demand improved roads, possibly of lower type, but in any event it is granted that real property is materially

benefitted, land values are increased and educational facilities for the whole people are improved.

Ideal Method Considering these facts it is believed that the ideal method of financing highway improvements is to levy an ad valorum state

tax or sell State bonds for sufficient funds to add to the fees derived from licensing motor cars and trucks and Federal Aid to build roads of the State Highway System as rapidly as economically desirable and then to collect a sufficient tax on gasoline to provide for all maintenance and reconstruction charges. In this way the future generation would assist in paying the cost of that part of the improvement passed on to them, the general taxpayer would help pay for his share of the development, the motor vehicle owner would bear the cost of building the road to the higher standard required for his particular benefit and the road user would take care of the investment.

Plan of Financing Followed by Other States: In determining a method of highway finance some states have followed one plan, others different ones. Missouri and Alabama, for example, have sold bonds, using to retire principal and interest the annual

collections of automobile license fees. New York and Pennsylvania have sold State bonds, paying for them with an ad valorum tax. Minnesota and Louisiana levy sufficient taxes on motor vehicles and gasoline to build and maintain its State roads. Texas sells county ad valorum bonds and Arkansas road improvement district bonds. It is apparent that the trend of opinion is away from large long time bond issues for financing the total construction cost of highway improvements and toward a greater tax on the actual beneficiaries of the roads for sufficient annual charges to cover the cost of a normal construction program and adequate maintenance.

Arkansas' Arkansas' problem of financing, however, is **Problem of Financing:** Arkansas' problem of financing, however, is a more difficult one than fixing a policy at this time. Highway development in this State has gone to such an extent that approximately

\$62,000,000.00 in bonds have already been sold by Road Improvement Districts for the purpose of building about 5.917 miles of improved highway, approximately 65 per cent to 70 per cent of which form a part of the selected system of State Highways. Unfortunately, practically all of this large amount of money has been incurred as a debt on the real property in the road improvement districts,

the personal property escaping all taxation and the motor vehicle owner and user of the road paying only a fraction of the cost. A very deplorable condition exists in the fact that whereas this large sum has been provided for construction, hardly any adequate provision has been made for the preservation of the investment by provision for adequate, careful and continuous maintenance.

No Probability Relief of Taxpayers:

Considering the poor state of maintenance For Immediate and the absolute necessity of making some satisfactory provision for this work, not only to secure the annual Federal appropriations of aid but to preserve the invest-

ment that the taxpayers have in work done, it is the opinion of the Highway Continission that at this time nothing material can be done to lighten the tax burden now existing. The Commission recognizes the fact that something along this line must be done for the taxpayers within a short time, but it is believed that any provision for material assistance must be postponed at least two years and possibly four years. Within that time it is expected that the revenues from the license of motor vehicles and gasoline taxes can be built up to such an extent that there will be surplus funds to assist Road Improvement Districts in meeting principal and interest payments on bonds.

Future With that revenue to be expected from the Policy auto license and gasoline taxes, the State **Outlined**: should, in our opinion, bend every effort to first, maintain the roads on the State Highway

System in an entirely satisfactory manner; second, provide a fund to match, dollar for dollar, Federal aid granted the State: third, complete work undertaken by road improvement districts which have expended their available funds and have not secured the promised improvements; fourth, complete connecting links, and fifth, assist those districts which have completed their construction work but have not paid their contracted indebtedness.

Bonds.

Criticism of Arkansas Bonds Not Justified:

Practically all financing of Road Improvement District construction work in Arkansas has been done by the issuance and sale of bonds. From time to time

much criticism has been made of these Arkansas securities by misrepresentations and untruthful statements published in other sections of the country fostered by the discontent of objecting and disgruntled taxpayers within the State.

It is generally recognized now, however, that Arkansas Improvement District Bonds are first class and are well protected with ample property valuation behind them. At times delays, more or less serious, have occurred in meeting interest payments when due but these cases are rare and it has generally been found, after a very thorough investigation that the percentage of delinquent taxpayers compares favorably with other states.

Percentage of
Taxes Levied
Which Have
Been Collected:

During 1921 the Mississippi Valley Group Investment Bankers Association of America made an exhaustive study of the conditions of bonds sold by Arkansas Road Improvement Districts and prepared the

following table:

State	and	County	Tax	Collections-	-1915-1919.
		Totale	d and	Averaged.	

1	Per Cent	Per Cent	Per Cent
State	Real Property	Personal Property	Both Classes
Illinois			99.6
Arkansas	99.0	95.4	97.2
Indiana	98.8	93.8	96.3
Missouri	93.5	92.6	93.0

Other compilations made by this Associa-Improvement District Tax tion covering 41 improvement districts scattered over 14 representative counties **Collections:** show that the average amount collected

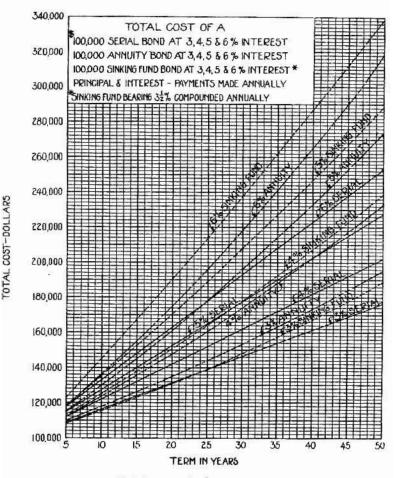
was 98.75 per cent of the total tax levied. As in every case where bonds are issued, a tax of 10 per cent more than needed to meet principal and interest requirements is levied, the delinquency of 1.25 per cent may be considered negligible.

It is almost universally the case that Arkansas Types of Road Improvement District Bonds are issued Bonds: serially to cover a period of 20 years. The in-

terest rate in the majority of cases is 6 per cent, however, many issues are disposed of on a 51/2 per cent and a 5 per cent basis. There are three types of bonds generally considered suitable for highway financing, the sinking fund,

Serial Bond Best for Highway Financing:

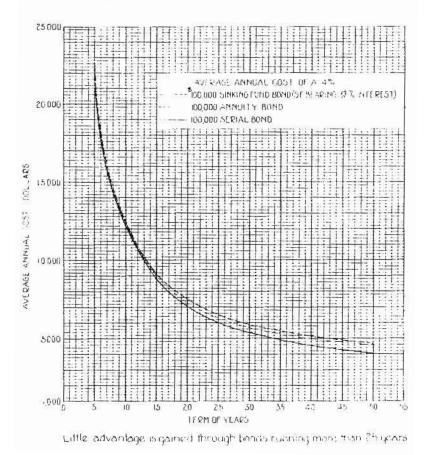
the annuity and the serial. The annuity bond serves a purpose similar to the serial bond, costs slightly more and has little favor with the bond buyers or the investing public and consequently is never used. The sinking fund bond does not suit the conditions of our road improvement district organizations and consequently the serial type of bond has been found better and more satisfactory and is the cheapest type of bond financing for the improvement district. The figure given below shows graphically the relative cost of the different types of bonds:



Relative cost of various bond types

Bonds For Periods in Excess of 25 or 30 Years Not Justified: Frequently there is a suggestion that possibly the issuance of bonds for longer periods than 20 or 25 years would lighten materially the burden on the taxpayer. As a principle it may be considered unsound business and public policy to issue bonds extending beyond

the life of the improvement. Some States, particularly New Jerey and Delaware, have statutes imposing such limitations and for certain types of highway improvements which are considered temporary, bonds can not be issued for a period in excess of five years. The figure shown below indicates that there is very little advantage to be gained by fixing the term of bonds longer than 25 years.



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STATE HIGHWAY COMMISSION

Bond Issue Statistics.

Price Secured Until the latter part of 1920 and the carly For Arkansas Bends: District Bonds ordinarily brought par and above on a 6 per cent basis. During the

political campaign of 1920 almost every candidate for an important political office made a severe attack on the improvement district plan and this coupled with the decline in value of farm products and a great deal of adverse propaganda spread both in the State and outside created a condition which actually prevented the sale of these securities. During the early part of 1921 those bonds offered for sale brought bids of as low as 72 cents and seldom ever as much as 85 cents. As a consequence very few issues were sold.

Arkansas Bonds Now Selling on an Average of Par: When conditions became so had all agencies interested in the development of the State went to work to combat the flood of false propaganda and during the latter part of 1921 conditions began to improve. The tabulation shown below covering bond sales in

1922 indicates that Arkansas road bonds have just about reached a par basis again and it is hoped that nothing else will occur to again cause the investor to lose faith in them.

COUNTY	District	When Sold	Amount of Issue	Rate	Price	Terns
Tranklin	No. 1	Tanna and	0100000			and the second se
I diffully i	1 .0M	January	00.000,064	5 1/2	93.00	Cash
Iddississing	Basset-Waddell	January	75,000.00	9	100.00	Cash on Estimates
Sevier	No. 3	January	30,000.00	4	00 00	Cash and
Sevier	No. 11	anonno	44 E00 00	0		
'hinnt	TT OUT	A mining	100.000.44	0	94.13	Lash on Estimates
incor	Jerome	January	105,000.00	9	100.00	Cash on Estimates
onway	No. 2	February	200,000.00	9	96.00	Cash on Estimates
rittenden	No. 6	February	350,000,00	2	00 00	Cach and Ad. on Daily
Lincoln-Desha	Douglass-Gould-			,	2011	Balances
	Star City	Fahrnary	95 000 AD	ď	05 00	Pack
dillor-	No 1	E-hundary	00,000,02	20	10.02	Casu
		repruary	40,000.00	0	95.25	Cash
lefferson-Grant	No. 1	February	40,000.00	9	92.30	Cash
Poinsett	Bay-5t. Francis	February	150,000.00	9	94.07	Cash on Estimates
ross	No. 1	March	25.000.00	9	96.52	Cash
Poinsett	Ozark Trail	April	250,000.00	9	97.50	Cash
Phillips	Helena-Ferguson	April	200,000.00	9	94.00	Cash
ope	No. 2	May	315,000.00	9	100.50	Cash
St. Francis	No. 2	May	218,000.00	9	101.70	Cash on Estimates
Little River	No. 6	May	125,000.00	9	98.00	
Hempstead	Hope	May	30,000.00	9	100.00	Cash and Expenses
Polk	No. 1	May	150,000.00	9	95.00	Cash on Estimates
Washington	No. 1	May	30.000.00	9	95.00	Cash
Searcy	No. 3	June	20,000.00	-	00.06	Cash
Grant	No. 6	June	55.000.00		96.50	Cash on Estimates
White	No. Ark. No. 1	June	110.000.00		08 00	Cash
awrence	Hoxie-Running				0000	
	Water	July	100,000.00	9	98.50	Cash on Estimates
Cross	Parkin	July	225,000.00	9	00.00	
Cleveland	No. 1	July	30,000.00	9	99.50	10
Lonoke	No. 3	Julv.	85,000,00	514,	94 12	5

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FIFTH BIENNIAL REPORT

Table XII (Continued).	les of Road Improvement District Bonds During 1922.
	Sales

COUNTY		Sold	of Issue	Rate	Secured	Terms
Pulaski-Saline- Garland	Little Rock-Hot Springs	August	400,000.00	5 1/2	100.15	Cash
Fulton-Izard	No. Ark. No. 2 No. 3	August	400,000.00	6	101.00	Cash on Estimates
Polk	No. 3	August	140.000.00	99	100.00	Cash on Estimates
Monroe	No. 3	September	160,000.00	9	102.50	Cash on Estimates
rew-Chicot	Dermott-Collins	September	25,000.00	99	90.00	Cash Cash on Estimates
hicot	Gaines Landing	October	100.000.00	9	102.00	Cash on Estimates
ulaski	No. 10	November	1.747.000.00	5	98.06	Cash
Aississippi	Waddell-Whitton	November	15,000.00	9	98.25	Cash
onoke	No. 13	November	75.000.00	51/2	98.10	Cash
onoke	No. 10	November	25,000.00	51/2	95.00	Cash

STATE HIGHWAY COMMISSION

The table shown below gives the results of compilations of bond sales made by all road improvement districts divided as to counties. While these figures may not be entirely accurate, they represent the most complete information that can be obtained.

Table XIII.

Bond	Sales	of	Road	Improvement	Districts	Divided	as	to
				Counties.				

	No. of Road		
County	Imp. Dist.	and Sold	Amt. Realized
Arkansas		\$4,404,000.00	\$4,170,497.55
Ashley		880,000.00	830,000 00
Baxter		194,000.00	182,000.00
Benton	5	1,712,500.00	1,570,612.50
Boone		104,000.00	107,760.00
Bradley			
Calhoun			
Carroll		385,500.00	365,257.00
Chicot		1,592,200.00	1,574,180.00
Clark		625,000.00	581,209.49
Clay			
Cleburne			
Cleveland		442,000.00	390 843.60
Columbia		214,500.00	198,500.00
Conway		1,640,000.00	1,652,525.00
Craighead		970,000.00	927,441.09
Crawford		1,100.00	1,100.00
Crittenden	7	5,478,000.00	5,232,006.00
Cross	275 B2	1,650,000.00	1,487,942.50
Dallas		658,000.00	658,000.00
Desha		1,009,800.00	1,008,800.00
Drew		366,000.00	369,000.00
Faulkner		1,241,000.00	1,201,000.00
Franklin		225,000.00	221,500.00
Fulton		120,000.00	121,200.00
Garland		450,000.00	450,180.00
Grant		1,073,500.00	981,722.18
Greene			
Hempstead		907,000.00	856,918.79
Hot Spring	. 1	001,000.00	000,010101
Howard	. 4	630,000.00	543,152.00
Independence		170,000.00	162,550.00
Izard		200,000.00	202,000.00
Jackson		670,000.00	670,000.00
Jefferson		1,096,478.58	1,095,168.58
activitison		1,070,470.00	1,030,100.00

Table XIII (Continued)

Bond Sales of Road Improvement Districts Divided as to Counties.

	No. of Road	Bonds Issued	
County	Imp. Dist.	and Sold	Amt. Realized
Johnson	2	334,000.00	334,000.00
Lafayette		279,500.00	258,786.87
Lawrence		1,181,000.00	1,081,242.00
Lee			
Lincoln		515,000.00	502,596.43
Little River		1,554,000.00	1,427,752.80
Logan		55,000.00	53,102.50
Lonoke		1,500,500.00	1,481,328.15
Madison		207,000.00	201,600.00
Marion			
Miller		540,000.00	524,482.28
Mississippi		4,071,000.00	3,843 210.50
Monroe		548,700.00	552,450.00
Montgomery		109,000.00	100,090.00
Nevada		45,000.00	44,000.00
Newton		183,000.00	176,700.00
Ouachita	1		
Perry	1	94,000.00	86,750.00
Phillips		3,428,000.00	3,301,382.00
Pike		37,584.51	37,584.51
Poinsett		1,712,000.00	1,635,806.58
Polk		790,000.00	740,000.00
Pope		733,000.00	734,525.00
Prairie		1,353,230.00	1,327,820.50
Pulaski		4,789,161.00	4,762,429.20
Randolph		104,500.00	104,330.60
Saline		335,000.00	331,010.00
Scott	1000.0		
Searcy		248,000.00	224,600.00
Sebastian		815,000.00	815,000.00
Sevier	13	1,034,000.00	1,377,704.06
Sharp	527.65	44 500.00	41,888.62
St. Francis	21	1,683,000.00	1,687,600.00
Stone		89,000.00	83,872.00
Union	10000		
Van Buren		345,000.00	302,859.42
Washington		810,000.00	760,500.03
White		1,420,000.00	1,392,949.40
Woodruff		1,300,000.00	1,229.068.35
Yell	2	509,000.00	484,768.28
* Bridge Distri	ct No. 1 incl	· · · · · · · · · · · · · · · · · · ·	

* Bridge District No. 1 included.

CONTRACT PRICES AND THEIR GENERAL TREND.

Contract prices for items entering into road construction fluctuate in a well defined ratio to the market prices for commodities and the prevailing cost of common and skilled labor.

Contract Price Level Reached Peak in Winter 1919-20: In 1917 and 1918 when Arkansas' road program was in its infancy prices were comparatively low. Contracts that were let then and carried over into 1919, 1920 and 1921 generally have caused serious

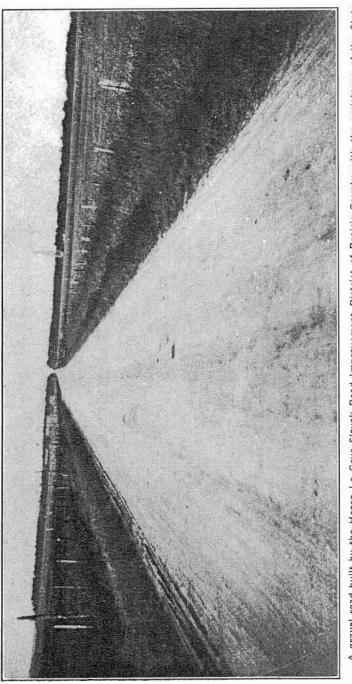
loss to the contractor, this loss being made up of increased freight charges on materials, increased material charges and greatly increased labor charges. In looking back over the past five years it is to be noted that prices began their uphill climb during the early part of 1919, shortly after the termination of the world war and exactly in unison with the immense road building program undertaken by this State. The peak was reached in the price level during the early months of 1920, and it may be said that even though contract prices for road work were not out of line with prices of staple commodities, they were excessively high. At this point the break came and, since, prices have been seeking a lower level until now it may be considered that

Contract Prices Now Low: they have reached somewhat of a normal basis. It is to be observed that on more recent work for which contracts have been let some of the prices are extremely low

for the class of work and hardly cover more than the actual cost of the work assuming average working and weather conditions.

Range of Peak Prices: In May, 1920, while compiling some statistics, the department made computations based on prices which prevailed at that time

and during several months previous. These figures show clearing and grubbing was costing \$200.00 to \$250.00 per acre. Earth excavation 48 to 55 cents per cubic yard, reinforced concrete \$31.50 to \$35.00 per cubic yard, plain concrete \$25.00 to \$29.00 per cubic yard, reinforcing steel 7 to 8 cents per pound, gravel hauling and placing \$1.10 to \$1.25 per cubic yard with an increase per mile of 40 to 50 cents, road gravel 50 and 55 cents per ton, asphaltic concrete pavement \$1.50 to \$1.70, cement concrete pavement 7 inches thick \$3.50 to \$3.80 per square yard and creosoted timber



A gravel road built by the Hazen-La Grue-Slovak Road Improvement District of Prairie County with the assistance of the State Highway Department and the Bureau of Public Roads. Federal Aid Project No. 55.

bridges \$28.00 to \$35.00 per lineal foot. Contractors at the same time were paying for common labor \$3.50 to \$4.00 per day and even at this rate of wage the labor was shiftless and very inefficient.

Prices Trend to Lower Level reached in the Spring of 1920, no contracts of importance were awarded until January, 1921. At that time bids were

taken for about 30 miles of gravel road in District No. 6 of Benton County and the prices for which the contract was let indicated clearly the trend to a lower level. Clearing and grubbing was secured for \$120.00 per acre, earth excavation 42 cents per cubic yard, plain and reinforced concrete \$22.00 and \$25.00 respectively and reinforcing steel 6 cents per pound, these units being much lower than in 1920. In April, 1921, Road Improvement District No. 9 of Crittenden County awarded a contract for 7½-inch reinforced concrete pavement for a cost of \$3.88 per square yard. This price was not much lower than the peak, however, but in this particular case the cost of stone and sand, which had to be shipped in from points at long distances, was excessive.

During the balance of 1921 very little additional work was contracted for with the exception of approximately 25 miles of gravel road in another district of Benton County. The price bid for gravel hauled and placed, zero to one mile haul, in this particular case was 80 cents with an average increase of 35 cents for each additional mile, quite a difference when compared with the 1920 range.

Trend of Prices Still Downward in 1922: In 1922 road building activity has increased and quite a mileage of new construction has been initiated. Among the representative contracts have been those for 12 miles of 18-foot reinforced concrete payement in

Poinsett County, 32 miles of gravel road in St. Francis County, 40 miles of asphalt pavement in Pulaski County, 12 miles of asphalt pavement in Mississippi County and 18 miles of 18-foot gravel pavement in Monroe County. The Poinsett County contract was awarded in April and the price fixed for 7½-inch reinforced concrete pavement \$2.48. This price may be compared with the price of \$3.88 for the identical pavement paid by the district in Crittenden County one year previous and the price of \$3.81 for 7-inch plain concrete pavement paid by a Mississippi County district in January of 1920. The St. Francis County job was undertaken in May with prices of \$70.00 per acre for clearing and grubbing, 27 cents per cubic yard for earth excavation, 63 cents per cubic yard for gravel hauled and placed, with an increase of 30 cents for each additional mile and \$19.75 per lineal foot for creosoted timber bridges. The work in Pulaski and Mississippi Counties is of the highest type and was contracted for in September. It is apparent that the prices of \$1.10 per square yard for 2-inch asphaltic concrete pavement, \$1.375 for a Warrenite pavement, \$1.02 for a 5-inch cement concrete base and \$1.65 for 6-inch concrete base are low and approach very nearly the actual cost of the work, not allowing the contractor the usual margin of profit. The work in Road Improvement District No. 3 of Monroe County, awarded only a short time ago, represents the last contract of importance let this year. Earth excavation was bid at 20 cents per cubic yard, gravel hauling and placing at 60 cents with an increase of 30 cents for each additional mile and other items in proportion.

Cost of Bridge Work Reduced: Along with items of grading and surfacing prices for concrete and steel for structures have been materially reduced, especially where local materials are available. On

several bridge projects recently contracted for by the department concrete has been bid as low as \$13.50 per cubic yard in place and creosoted pile bridges at \$13.75 per lineal foot.

In summing this data up the following table may be used to show the range of prices during the early part of 1920 and at the present time and the approximate percentage of reduction on contract prices.

Table XIV.

Range of Prices During Early Months of 1920 and at Present Time With Percentage of Reductions.

ltem	Unit	Rang Price F Months	Carly	Bange Prices I Months	atter	Average Percentage Reduction
Clearing and Grubbing	Acre	\$200.00-5	\$250.00	\$70.00-\$	125.00	56
Excavalon	Cu, yd.	0.48-	0.55	0.20-	0.28	53
Plain Concrete	Cu. yd.	25.00-	29.00	15.00-	18.00	29
Reinforced Concrete	Cu. yd.	31.00-	35.00	20.00-	23.00	34
Reinforcing Steel	Pound	0.07-	0.08	0_04-	0.06	33
Gravel hauled 0-1 mi., spread and rolled	Cu. yd.	1.10-	1.30	0.65-	0.85	37
Gravel haul additional mile	Cu. yd.	0.40-	0.50	0.30-	0.35	28
2-in. asphaltic concrete pavement	Sq. yd.	1.50-	1.70	1.10-	1.40	22
7½-in, rein- forced concrete pavement	Sq. yd.	3,50-	3.90	2.40-	2.60	32
Creasated pile bridge	Lin _, ft.	28,00-	35.00	17.00-	20.00	41
Road gravel	Ton	0.50-	0.55	0.35-	0.40	28

Percentage of Reduction in Contract Prices: It is to be noted from this table that the average percentage of reduction in prices varies from 22 per cent to as high as 56 per cent. For all items of construction entering a road project it may safely be

assumed that the percentage of reduction at this time, based on peak prices, is approximately 35. This reduction has been caused by some reduction in the price of materials and has also been very materially affected by the reduction in labor charges and improvement in the efficiency of labor. **Contract Prices** A warning might be given here to those **Now as Low as Can Be Expected:** who will be in responsible charge of prospective road work. Conditions have not become entirely normal yet, freight rates are still high and prices bid by contractors

which are so low as not to cover the cost of the work and a fair profit are likely to lend to future trouble and serious delays. Do not expect to get much lower prices for road work than are now being bid by contractors unless there is a further adjustment of material prices on a lower level and a reduction in freight rates.

LIFTLE ROOK PUBLIC LINARY UTTLE POCK, ARG.

Con. Maint.	State	Annual Salary	Term Years	No. of Counties in State	No. of State Divisions for Administration of Roads		Total Personnel	
					Con.	Maint.	t	

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DATA ON OTHER STATES

A true conception of Arkansas' road progress, organization and difficulties can only be gained after a study of conditions in other States of the Union, or at least the neighboring States. To begin this study there is given below a table showing the organization of the Highway Commissions in each of the other States:

(See Insert Table XV.)

STATE HIGHWAY COMMISSION

State Appropriations

Frequently a discussion arises as to where and how State Highway funds are obtained and what division of funds is made between the Counties and the State, specifically referring to the motor vehicle licenses and the gasoline taxes. A table prepared by the American Automobile Association for the year 1922 shows this data in convenient form and is given below:

(See Insert Table XVII.)

Recent State During the past few years immense sums of money have been made available for highway construction over the United States

way construction over the United States. Among those States that have recently voted large bond issues are Missouri, with \$60,000,000.00; New Jersey, \$7,-000,000; Alabama, \$25,000,000; North Carolina, \$50,000,-000, and many others. Arkansas has kept well in line with the other States and has issued approximately \$60,000,000 during the past five or six years.

MAINTENANCE.

Maintenance Now Greatest Problem Before Arkansas: Until the early part of 1920 maintenance of improved roads in Arkansas was an unknown quantity as at that time practically no mileage of improved roads had been completed except near the larger cities.

Conditions have since changed, however, hundreds of miles of all types of road have been built and now the greatest road problem before the State and its people is that of maintenance, a type of maintenance that will preserve the initial investment and keep the roads in such repair that they will be safe, economical and comfortable for the traveling pub-Construction of connecting links and completion of lic. work under way is by no means an unimportant feature of the road program but it must be realized that maintenance produces in the minds of the people a desire for more roads by constantly keeping before them the easy riding, well kept highway where roads built at great expense and allowed to deteriorate and go to pieces in two or three years because of lack of maintenance create a disgust in the minds of the taxpayers that is well nigh impossible to overcome.

Lack of Ade-It is a deplorable fact that very few of the quate Laws: laws creating road improvement districts have provided ample funds for maintenance and have given to the taxpayers sufficient protection in the way of making mandatory the preservation of the investment for at least the life of the bonds issued to construct the improvement. The general law, Act 338, 1915 carried the following provisions in Section 29:

Act 338, "SECTION 29. The Board of Commissioners 1915: shall have, and they are hereby vested with power and authority, and it is hereby made their

duty to build, construct and repair such roads, as may be deemed necessary to carry out the improvement contemplated, and in doing so shall expend such sums of money authorized to be levied and collected under the terms of this Act, and all roads built and constructed under the authority of this Act shall be public roads, and after their completion and acceptance by the County Court shall become a part of the general highways of the county, and for the purpose of maintaining the said roads, it shall be lawful for the County Court to supplement by specific allowance out of the general revenue fund of the county, the revenue raised under the provisions of this Act, or if the County Court deems it to the best interest of the county and the existing road districts as they now exist under the laws of the State of Arkansas, it may direct that the funds above mentioned be supplemented for said purpose out of the three-mill road tax now authorized by law, to the end that the taxes levied under the general laws of the State shall be fairly and equally apportioned between the existing road districts and the said county, and the roads to be maintained under this Act in said road district.

"PROVIDED, HOWEVER, when a majority in acreage, number of land-owners, or in land value within a district shall petition the County Court for an order authorizing the commissioners to issue additional bonds for the purpose of maintaining roads in said Road Improvement District, it shall be lawful for the board to issue said bonds for the purpose of providing funds immediately for said purpose, but no bonds issued for said purpose shall run for a period to exceed fifteen years, nor shall any issue exceed twenty per centum of the assessed value of the real property in a district at the time of said issue, but before any additional bond issue is authorized a date shall be fixed by the court for a hearing on said petition, and public notice given thereof, as provided by Sections 1 and 2 of this Act, and the sufficiency of said petition shall be determined in a like manner, and when an additional bond issue for the purpose of maintaining the roads in said district is authorized, if the County Court finds that the assessment of benefits in force at the time is unequal or that it should be equalized or adjusted the court shall order a reassessment of benefits, which shall be made, advertised, and confirmed in the manner provided by Sections 9 to 14, inclusive, of this Act, and with like effect; Provided, However, if bonds or other interest-bearing evidences of indebtedness is outstanding at the time, the total of the assessment of benefits shall not be lowered, nor shall the additional issue of bonds or the collection of any tax therefor in any manner interfere with the collection of the tax for the payment of the bonds issued prior to that time."

Maintenance While this provision appears adequate, in actual practice the law is not workable. It in-

variably happens that on completion of any road and its delivery to the County Court there is a feeling that more than enough money has been paid for the improvement and that no more should be spent for further work. It also happens, even where there is a desire to properly maintain improved roads, that the available funds

from the County General revenue and the three-mill road tax do not provide a sufficient fund to give a road even a semblance of proper maintenance. It will be noticed that the law allows the issuance of bonds for maintenance upon a majority petition. This feature would appear to protect

Bonds Should Not Be Sold For Maintenance:

the investment but in actual practice it is seldom the case that the people are willing to approve additional levies and as a consequence nothing is done. Even if bonds were authorized it is considered

very poor business policy to sell them for the purpose of maintenance. This method is a serious economic error as no financial undertaking would prove succesful if long time interest bearing certificates were issued to take care of running expenses. This refers to ordinary maintenance and not to the issuance of bonds for rebuilding of a high type or a better road to meet increased traffic requirements.

Special Act Of the Special Acts passed creating Road Im- **Maintenance** provement Districts there are two classes; **Provisions:** viz.: those that carry no adequate provision for maintenance leaving this feature to the

County Courts and those that specifically provide for the perpetuation of the Board of Commissioners of the Road Improvement District, the levying of an additional assessment where necessary to provide a fund for adequate maintenance and the actual provision for maintenance by the Board of Commissioners.

The first class of Special Acts provide hardly any better safeguard for maintenance than the Alexander Law, the the latter class give some protection in that a fund can be raised. None of the provisions are considered ample, for as a general thing, after construction is completed, the Boards of Commissioners do not maintain the same live interest in the improvement.

Funds Available For Maintenance:

To show the impossibility of raising ample funds under these laws, some figures based on the 1922 condition will be given. The total assessed valuation of all real and per-

sonal property in the State in 1922 was reported to be \$575,773,643.00. If all counties voted the three-mill tax and actually collected it this tax would return \$1,727,320.00. When it is considered that this fund is handled by the County Judges and must necessarily be used to maintain the total public road mileage of the State, estimated at 75,-

000 miles, an average of \$23.03 per mile per year is available from this source. This, of course, is inadequate.

Under those laws providing for increased assessment it frequently happens that the real property is assessed to the limit and it is impracticable or impossible to raise additional funds.

Acts 424 and At the 1921 session of the State Legislature 606, 1921: the automobile license tax was increased and a tax of one cent per gallon placed on gaso-

line. The Legislature also provided that 70 per cent of the license tax and 50 per cent of the gasoline tax should be returned to the counties and that the money should be spent for construction and maintenance. It is estimated that the total revenue from these two sources for 1922 will be \$1,-000,000 for the former and \$200,000 for the latter.

If this fund could be concentrated under some central authority and used only for maintenance of the designated system of roads it is believed that a great deal of valuable work could be done. However, on the basis of a 6,650-mile system and an average maintenance cost of \$200.00 per mile per annum it can be seen that this fund will not be large enough to sustain the Department, provide maintenance and provide a fund for further aid to construction and reconstruction.

Maintenance of Federal Projects: This condition of maintenance generally over the State is very deplorable, as the Federal laws require the State to guarantee maintenance of projects on which aid has been

granted and the State has agreed to the Federal requirements by Legislative Act and by signed Agreement covering each individual project. The State in turn has exacted from the districts and counties specific pledges that maintenance will be taken care of adequately but experience has shown that usually these pledges amount to very little.

Maintenance Provision of Recent Federal Act: It is thought that the 1921 Federal Act appropriating additional aid will bring the whole question of maintenance to a head. One of the provisions of this Act is that the State must provide a fund for the mainten-

ance of the designated system of roads and the actual maintenance work must be done under the direct supervision of the State. This makes it imperative that immediate legislative action be taken and means that if the State desires to continue participating with the Federal Government in road building, practically all of the gasoline tax and the automobile license tax must be placed as a maintenance fund under the direct supervision of the State Highway Department.

Adequate Maintenance Program: While on this important feature of the future State's activities it may be well to outline briefly what is considered to be a well organized maintenance program. First it must

be kept in mind that in such a large system there are all types of improvements, graded, gravel, macadam, surface treated gravel and macadam, asphaltic concrete and concrete, and that the kind of maintenance to be given each type varies considerably.

General In general, the plan to be followed is to divide the **Plan:** system into small patrol sections supplemented by small gangs for reconstruction and heavy repair

work. These patrol and gangs will be under the direct supervision of a resident engineer or a superintendent who will report to a district engineer operating under direct orders from the State Highway Engineer and State Highway Commission.

Specific The following specific policies are outlined: 1. **Policies:** The system in each County will be divided into

patrol sections, averaging from eight to ten miles in length where team patrol is used and 18 to 20 miles where motor patrol is used.

2. A patrolman will be engaged for each section, who will devote all of his time to the work for the entire maintenance season.

3. Patrolmen will be paid a monthly salary ample to attract good men. Where team patrol is used the patrolmen must furnish a satisfactory team and wagon, the State furnishing the grader and all other tools. Where a motor truck will be used the State will furnish all equipment.

4. The patrolman will be responsible for the maintenance of his section and where extra help is needed it will be furnished by the resident engineer or superintendent.

5. The patrolman will report daily and monthly to the resident engineer or superintendent.

6. Small gangs will be organized in each section, equipped for special work such as scarifying, surface treating, heavy grader work, etc., and will operate directly under the resident engineer or superintendent.

7. The year's program will be arranged in advance and a budget prepared covering all work. A fund will be provided to take care of the unexpected or emergency work. 8. A complete cost accounting system will be kept to thoroughly advise the public of what is being done and compare the work done in different localities.

9. The system will be made flexible so as to adequately maintain the whole system of 6.650 miles or roads.

Changes In considering any system of maintenance the **Needed:** primary features to be desired are, (1) the pass-

age of adequate laws designating a system of roads to be maintained and fixing the whole responsibility of maintenance of this system on the State Highway Department; (2) the provision of an adequate fund to pay for the work to be done, and (3) the actual performance of the work by the State Highway Department. The Commission is thoroughly satisfied that if the Legislature will enact the necessary laws and will provide the requisite funds the Highway Department organization can be quickly expanded to efficiently handle the necessary maintenance and that within 18 months or two years will produce results which will rank Arkansas' system of highways with any in the country.

Average Annual Estimated Cost on Maintenance 8200 Per Mile: In approaching this subject the Highway Department is assuming that every mile of road in the system of 6.650 is to be maintained and that an appropriation of \$1,330,000.00 for 1923 and \$1,500,000.00

in 1924 will be necessary to carry on this work. In arriving at these figures it has been estimated that \$200.00 per mile for the first year will be ample, especially considering the fact that a great deal of the equipment necessary may be secured from the counties of the State and from the surplus war equipment delivered to the department by the Federal Government.

In fixing the estimate at \$200,00 a great deal of study has been given to actual conditions in this State and maintenance costs as reported by other States of the Union. In Arkansas there are only a few cases where maintenance has been taken care of by the patrol system and actual statistics on cost are available. It is also recognized that we have many miles of road recently constructed where the annual charge will not approach \$200,00, however there are many more miles of road that have been neglected and for the next three years will require more than the average amount specified.

Maintenance Cost of Other States:

It is not altogether safe to use maintenance costs as developed in other States for a basis of determining probable costs in this State. Conditions vary a great deal, labor

prices are not uniform, the quality and character of local materials differ, the character of soils encountered, the scasonal changes in weather, the methods of operation and the amount and kind of traffic all influence the problem. However, there may be given some statistics to show what is being done in several of the representative states.

New York New York, a State with 700,000 passenger State Cars and 160,000 trucks, furnishes the following table covering the maintenance costs over a series of years for the different types

of roads. The table represents from 5,000 to 8,000 miles of County and State highways and the maintenance work done was performed in a very thorough manner. The costs shown include all items of overhead and general expense.

Table XVIII.

Average Annual Maintenance Cost per Mile of Principal Types for the Past Seven Years, Including Change of Type.

	and the second s					1	
1915	1916	1917	1918	1919	1920	1921	.1v.
						2	
		0.000		-	-		
\$.1111	183	108	.3.37	ant	590	7.03	513
	2(1.)	245	135	141	335	299	277
	256	393	1.056	413	985	769	650
1.055	906	:970	739	691	797	951	873
190	176		251	217	242	307	231
129	1.11	112	160	214	227	225	173
1.0.50	1.080	1.127	791	761	868	874	936
955	587	918	909	771	7114	890	819
7.50	651	643	608	560	631	7.14	
	s 510 1.055 190 129 1.050 955						

Illinois Main-Illinois, another of the states where careful tenance Costs: maintenance is given the roads of the designated State Highway System reports the following summary of maintenance costs of 566 miles of road in 1919.

Table XIX.

Summary of Maintenance Costs For Illinois Highways in 1919, All Widths 10 Feet to 18 Feet.

TYPE	Miles	Wearing Surface Average Cost per Mile	Upkeep of Roadside Ditches at Average Cost per Mile	Total Maintenance Average Cost per Mile
Brick	86.90	42.63	76.16	118.79
Cement concrete	366.15	54.05	95.81	149.86
Bituminous concrt.	19.43	244.75	11.88	256.13
Bituminous mcdm.	74.02	254.01	73.67	327.68
Waterbound mcdm.	26.95	299.45	35.35	334.80
Gravel	42.36	129.24	25.74	154.80

Michigan Maintenance Costs: Michigan has undertaken the maintenance of the system of trunk highways and during 1919, the state and counties participat-

ing in the work in the ratio of about 100 to 60. Accurate figures compiled by the maintenance engineer covering 2,763 miles of trunk road are given in the following table.

Table XX.

Summary of Maintenance Costs of Trunk Highways in the State of Michigan.

Туре	Miles	Expenditures	s per mile		
Earth	1,505	\$192,979.35	\$128.19		
Gravel	773	194,718.47	251.99		
Macadam	365	178,832.57	490.20		
Concrete	120	79,207.22	685.85		

The figures for concrete are unusually high because of some unusual work necessary on 80 miles of the total. Eliminating this total the average cost for the concrete road totaled \$264.30. To the above figures should be added \$14.89 per mile for supervision and \$12.75 per mile for equipment. It may be noted here that there are 442,000 passenger cars and 51,000 trucks licensed in Michigan.

Iowa Maintenance Costs: Iowa, one of the great farming states of the Central West, has a total of 460,000 licensed automobiles and trucks, as com-

pared with approximately 82,000 in Arkansas. Recently the Iowa State Highway Commission published some interesting information on the maintenance work undertaken in 1921. The data has been summarized and is given in the following table.

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Table XXI.

Summary of Maintenance Cost For the State of Iowa.

Туре	Class	Miles	Av. main- tenance costs
Graded	Primary	5,223	297.28
Graded	County	9,489	240.62
Gravel	Primary	1,156	450.83
Gravel	County	1,190	238.40
Hard surfaced	Primary	236	89.28

Motor Vehicle Registration Has Direct Bearing on Maintenance Costs: Many other figures and statistics could be shown but it is believed that considering the facts that the number of licensed motor vehicles in Arkansas is so much smaller than in New York, Illinois, Michigan and Iowa, that climatic conditions with especial reference to frost, are so

much milder that in many places in this State local materials are available for maintenance, the estimate of \$200.00 per mile on the average will care for the actual maintenance of our roads during the first year. In fixing any appropriation for this purpose it is the recommendation of this Commission that \$200.00 per mile be used as the minimum average figure for the first year and \$225.00 for the second year, the increase to provide more particularly for the purchase of necessary equipment.

Traffic Regulations.

Traffic Regulations Must Be Enforced:

No maintenance of our public highways can be entirely effective, no matter how much money is spent or how well the work is done, if there are no adequate laws regu-

lating traffic and provisions made for enforcing such laws. The high speed automobile and the overloaded truck may do incalcuable damage to our improved roads in a very short time. The regulation of this type of traffic is a very important part of any maintenance work and must be seriously considered.

Act 222, In 1919 the Legislature enacted Act No. 222, pro-1919: viding for the classification of our highways and

the compilation of traffic regulations. This was done and the regulations are quoted in full below. The serious defect in the law is that the enforcement of the regulations is not provided for. By all means the law should be amended requiring the State Highway Department to enforce any regulations made and an appropriation for such purpose should be granted.

Classification of Roads and Traffic Regulations.

In conformance with Act No. 222 of the Extraordinary Session of the Legislature October, 1919, approved, the 20th day of October, 1919, the following classification of the roads are hereby made:

Class 1 Highways: All public highways having a hard surface of a total thickness compacted of seven (7) inches or over, said surface being of Portland cement concrete, asphaltic concrete or similar material on a concrete base, vitrified brick on a concrete base, and having a well drained sub-grade, shall be designated as Class 1 Highways.

Class 2 Highways: All public highways surfaced with penetration macadam, water bound macadam, gravel, chert, silica or other surfacing material not properly belonging to Class 1 Highways, said surfacing having a total thickness, compacted, of six (6) inches or over, and having a well drained sub-grade, shall be designated as Class 2 Highways.

Class 3 Highways: All public highways which are improved by grading or dragging the earth surface or which are surfaced with sand or sand-clay mixture, and all other roads not properly belonging under Class 1 or Class 2, shall be designated as Class 3 Highways.

Traffic Regulations.

Gross Section 1. No vehicle, the gross weight which ex-Weight: ceeds twelve and one-half tons shall be operated

upon the Class 1 Highways without a written permit from the County Judge.

Section 2. No vehicle, the gross weight of which exceeds ten tons shall be operated upon Class 2 Highways without a written permit from the County Judge.

Class 3 Highways are not included in Section 1 of the above mentioned Acts and therefore no regulations were issued for this class.

Vehicles Other Than Motor Driven: Section 3. There shall not be operated upon Class 1 or Class 2 Highways of Arkansas, any vehicle, except motor driven vehicles, the gross weight of any wheel of

which exceeds that given in the schedule below.

Width of tire in inches Maximum wheel loads in pounds Maximum load for 4 wheels		400	1½ 600 2400	$\begin{array}{r}2\\800\\3200\end{array}$	2½ 1000 4400
Width of tire in inches Maximum wheel loads in pounds Maximum load for 4 wheels	1400	$3\frac{1}{2}$ 1800 7200	$4 \\ 2200 \\ 8800$	4½ 2700 10800	5 3200 12800

Brakes: Section 4. In case a vehicle is equipped with a braking device, said brake shall be of friction type and not of a type that will cause a deadlock of the wheels when applied.

Width of Section 5. No motor trucks or trailers hereafter operating upon Class 1 or Class 2 Highways of

this State shall have a gauge of more than 75 inches measured from center to center of tires, nor shall be more than 96 inches over all nor over 12 feet and six inches in height.

Metal Section 6. No motor trucks or trailers, hereafter Tires: operating upon Class 1 or Class 2 Highways shall

be equipped with driving wheels the tires of which are of metal that may come in contact with the surface of the road or which have a partial contact of the metal with the surface of the road, except where chains or other nonskidding devices are used; provided that should any improved highway be damaged by the use of chains, or other non-skidding devices, the person, company or corporation owning such vehicle shall be liable to arrest and penaltics under the Act heretofore mentioned.

Load on Trucks and Trailers: Section 7. On the rear axles three-fourths of the gross weight of a motor truck or trailer, and of its carrying capacity, must be within

the limits of the schedules of respective diameter of wheel, size of tires and speed per mile as given in Section 8, provided that with the trailers having two wheels, at least three-quarters of the gross weight of the trailer and its load shall be upon the axle of the trailer.

Section 8. The front axle shall carry the remainder of the weight of a motor truck or trailer and load combined and must be within the limits given in the schedule below.

Table For Regulation of Motor Trucks.

Maximum Wheel Loads in Pounds.

	wheel	wheel	1 1		
770		which	wheel	wheel	wheel
770	840	910	980	1050	1120
990	1080	1170	1260	1350	1440
1320	1440	1560	1680	1800	1920
1760	1920	2080	2240	2400	2560
2090	2280	2470	2660	2850	3040
2420	2640	2860	3080	3300	3520
2970	3240	3510	3780	4050	4320
		4160	4480	4800	5120
	$2970 \\ 3520$	$\begin{array}{ccc} 2970 & 3240 \\ 3520 & 3840 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2970 3240 3510 3780 4050

Speed: Maximum Speed: The following is suggested as the maximum speed for the various loads. No outomobile, truck, motor, traction or other engine or steam roller or other power vehicle carrying a weight exceeding four tons, including the vehicle shall be operated upon any Class 1 or Class 2 Highway at a speed greater than 15 miles per hour, and no such vehicle carrying a weight of six tons or over, including the vehicle, shall be operated upon any such highway at a speed greater than six miles per hour when such vehicle is equipped with iron or steel tires, nor greater than ten miles per hour when equipped with tires of rubber or similar substance.

Section 9. These regulations shall not apply to farm implements or to machinery used in road construction.

Section 10. The size of tire and height of wheel shall be taken as that size printed upon the tire by the manufacturer.

Section 11. When a truck is hauling a trailer, the speed shall be regulated by the vehicle having the lowest mile per hour rating.

Other Limits Section 12. Whenever, in the opinion of of Load: The County Judge and by reason of the thawing or rains the roads are in soft condition, the maximum carrying capacity of tires of all vehicles shall be limited to one-half that of the schedule of

Section 8 upon due notice being given by the said County Judge.

Section 13. The provisions of these regulations shall not apply to the moving of any vehicle for which a permit or license has been issued by the County Judge. The said permit shall state the condition thereto, shall be in writing and shall not have effect longer than 30 days after its date of issue.

Bridges: Section 14. Nothing in these regulations shall permit the hauling of excessive loads over any bridge the capacity of which is less than that given for the road upon which it is situated or of hauling over any bridge a load greater than that advertised or posted for such bridge.

Section 15. These regulations shall not apply to public highways in cities of the First or Second Class.

Changes May Be Made: Section 16. These regulations are subject to change from time to time as necessary on account of change of classification of the various highways or on account of changes in type of vehicle, or due to local conditions.

Section 17. The traffic regulations accompanying this classification are made in accordance with the Act heretofore mentioned and are subject to the adoption and modification and enforcement by the County Judge of the above county.

REVISIONS IN EXISTING LAWS AND ADDITIONAL LEGISLATION NEEDED.

During the past two years the Commission has been seriously handicapped in placing Arkansas road work, both construction and maintenance, on the proper footing, principally because of inadequate and insufficient laws. Cooperation with the Bureau of Public Roads in securing Federal Aid has been made extremely difficult for the reason that the Commission does not have ample authority over the work. After a thorough study of the existing laws and knowing the needs of the State the Commission is of the opinion that the Legislature should give serious consideration to the following suggested changes in the existing laws and the proposals for new ones.

Act 302, 1913.

This Act was passed when hardly any road building was going on in Arkansas. Since that time the duties and responsibilities of the Department have increased manyfold. It is therefore suggested that it be amended as follows:

Increase the salary of the Commissioner to \$5,000.00 and the State Highway Engineer to \$6,000.00 and if a law is enacted charging the State with the maintenance of the System of State Highways to \$7,500.00;

Provide for adequate personnel to fully discharge the duties of the Department and allow for adequate salaries;

Provide that the Department may enter into contracts for road or bridge work where only State and Federal funds are involved.

Act 338, 1915.

This Act, known as the Alexander Law or General Road Improvement District Law, was passed at a time when prices were low and conditions very different from those existing now. The low limit of assessed benefits and the time required to organize an improvement district operating under this law is primarily responsible for the organization of so many of our improvement districts under Special Acts of Legislature. The Commission is of the opinion that the law can be amended to make it entirely workable and offers the following suggestions:

Change the method of organizing districts by eliminating so many petitions and so word the law that is necessary for a petition for a majority in number, valuation or acreage be circulated before any survey is made. If desirable,

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STATE HIGHWAY COMMISSION

provide an optional provision that the petitioners may limit the total cost of the improvement to the taxpayers.

Raise the limit of assessment of benefits to 40 per cent and provide for the still further increase on majority petition.

Provide that the County Judge shall be ex-officio member of the Commission.

Provide that any portion of the improvement on the designated system of highways must be built under the direct supervision of the State Highway Commission.

Provide that any money to be used for the construction of any part of the improvement on the State Highway System shall be placed in escrow to be paid out only on order of the State Highway Commission, approved by the Board of Commissioners.

Provide for the fixing of compensation of attorneys; probably a reasonable fee for organization with a schedule of fees for extra services.

Provide for adequate maintenance after completion by permitting the levy of an annual assessment for this purpose.

Provide for the regulation of the sale of bonds and the approval of any sale by some State agency.

Provide for the approval of all contracts by the State Highway Department before such contracts become valid and before any work can begin.

Act 222, 1919.

This Act, known as the Traffic Regulations Act, should be amended so as to fix the responsibility on the State Highway Department of enforcing the Act on the State System of Highways and a provision for an appropriation for this purpose should be made.

Act 494, 1921.

This Act, known as the Automobile License Act, has a number of defects and the Commission is of the opinion that the following changes should be made.

Provide for a fee of 25 cents per horse power and 55 cents per hundredweight on all passenger cars.

Provide a tax of \$25.00 per year on a 1-ton truck, \$35.00 on a $1\frac{1}{2}$ -ton, \$60.00 on a 2-ton, \$90.00 on a $2\frac{1}{2}$ -ton, \$125.00 on a 3-ton, \$175.00 on a 4-ton, \$300.00 on a 5-ton and \$500.00 on a 6-ton.

Provide for a tax of \$15.00 per quarter on log wagons. Provide for a dealers license of \$100.00.

Provide for the supervision of the collection of the

license fees by the State Highway Department and give the Departemnt authority to enforce the law.

Provide for the return of all the revenue derived under this Act to the Highway Improvment Fund for construction and maintenance purposes.

Act 606, 1921.

This Act, known as the gasoline tax law, has been found very inadequate. Many changes are desirable and the Commission recommends the following:

Provide for the collection of the tax from the wholesaler or parent company and permit a rebate to be paid to those users of gasoline other than for motor vehicle purposes.

Provide for the payment of the tax direct to the State Treasury monthly and supervision and checking of accounts by the State Comptroller, making the penalty for false reports very heavy.

Provide for an increase in the tax on gasoline to three cents per gallon.

Provide for the return of all the revenue to the Highway Improvement Fund for construction and maintenance of roads under supervision of the State Highway Department.

New Laws.

Of most importance to the whole State at this time is the question of maintenance. It can be safely said that practically all of our large investments in roads will gradually go to waste if something is not done immediately to provide ways and means for systematic maintenance. The Commission has given a great deal of study to this important feature of the work and recommends to the Legislature that careful and serious consideration be given to the passage of a satisfactory law. Our suggestions are as follows:

Provide for the designation of the selected system of roads as the State Highway System and require that this system in whole be maintained by and under the direct superivsion of the State Highway Department. The system not to include that mileage through towns of 2,500 and over.

Provide for the gradual expansion of the State Highway System as conditions make necessady and advisable.

Provide that the system of maintenance employed shall be patrol and modified patrol maintenance.

Provide that the counties may assist in this work by the loan of equipment and require that the work be done to the satisfaction of the County Judges of the respective counties.

Provide that the State shall maintain those Federal Aid projects not forming a part of the State Highway System.

Provide for the adequate marking of the State Highway System.

Provide for the adequate policing of the system and the enforcement of traffic regulations and allow the Department to employ at least seven State policemen for this purpose.

Provide for an official publication of the Department monthly in order to report at regular intervals the work going on and detailed financial statements.

Provide an appropriation ample to carry on the work of maintenance.

It is also the opinion of the Commission that some arrangement should be made for an attorney for the department and that the Legislature should consider adequate laws for grade crossing eliminations. The latter feature to worked out on some equitable scale of participation between the State, Counties and the railroad companies and provisions should be made for the elimination of our dangerous crossings on some well defined and normal program—not placing an excessive burden on either of the three participants.

FORESTRY WORK.

Located in Arkansas are two comparatively large National Forest Reserves, the Arkansas National Forest, which covers a good portion of Garland, Yell, Montgomery, Polk and Scott Counties and the Ozark National Forest, which lies principally in Pope, Newton, Franklin, Johnson, Stone and Baxter Counties. The forests cover 926,985 acres of mountain land, about 2.8 per cent of the total area of the State and have many miles of the proposed State System of Highways traversing them, affording the traveler many ideal camping sites and some of the most beautiful scenery in the United States.

The Forest Service of the United States is alive to the importance of improving the important highways traversing these areas, and is constantly working to improve as well as possible these roads. The aggregate amount appropriated for road work by the Federal Government for this work has amounted to \$391,608.51 to June 30, 1922. Many of the important roads have either been finished or are under construction or provided for. A recent report gives the following data:

Ozark Forest Road: Part of the principal highway from Russellville to Harrison, is located in the Northern part of Pope County and the Southern part of Newton County and extends for 34 miles. It is a well graded road 16 feet wide and was built at a cost of \$87,651.00, \$20,000.00 of which was paid by the State of Arkansas.

Buck Knob-Oden Road: Located in the Arkansas National Forest on the Albert Pike Highway, is now in the final stages of construction. This road is being built 16 feet wide and is ten miles long and its total cost of \$102,-531.00 is being paid for by the Forest Service.

Foran Gap Road: Also located in the Arkansas Forest in the Northern part of Polk County and the Southern part of Scott County, will open up the impassable barrier between Mena and Waldron, both on the Jefferson Highway. A survey has been completed for this road which will be 11.02 miles long and very soon the work is to be placed under contract. The estimated cost is approximately \$90,000.00.

Crystal Springs-Silver Road: This project is located on the Hot Springs-Mt. Ida Road in Montgomery County and in 2.27 miles long. It will soon be placed under contract and will cost about \$15,000.00.

Sand Gap-Witt Springs Road: In the extreme Southeast corner of Newton County and the Southwest corner of Searcy County there is now being constructed by the Forest Service, at a cost of \$28,000.00, 12 miles of mountain road which will give the little town of Witt Springs an outlet West to the Jefferson Highway. The work is being done under the direction of the Forest Supervisor and is now approximately 75 per cent complete.

Big Flat-Sylamore Road: Connecting Big Flat and Sylamore in Baxter and Stone Counties, the Forest Service has completed an excellent gravel road 15.5 miles long at a cost of approximately \$20,000.00. This road proved to be a very serviceable one to the whole of Searcy County when the Missouri & North Arkansas Railroad suspended operations in 1921.

All of the Forest roads mentioned above form parts of the State System of Highways and there are others that must be improved during the next few years. The Forest Service has always shown a desire to cooperate in our building program and is to be commended for the good work already accomplished.

APPROPRIATIONS.

The following is a true and correct statement at the close of business, June 30, 1922, of the several appropriations made by the Legislature of 1921 for the support and operation of this Department.

	Table XXII	■1 12	
Title of Appropriation	Amount Appropriated	Amount Expended	Balance
Salary of Commis- sioner, 1921-1923	\$ 6,500.00	\$ 3,250.00	\$ 3,250.00
Salary of Secretary	5,400.00	2,700.00	2,700.00
Salary of State High-	10 000 00	5 000 00	5,000.00
way Engineer Salary of two Assist-	10,000.00	5,000.00	5,000.00
ant Engineers	12,000.00	6,000.00	6,000.00
Salary of Accountant	5,400.00	2,700.00	2,700.00
Salary of one Clerk, Highway Dept	3,600.00	1,800.00	1,800.00
Salary of two Clerks,	11 10 104 1004	Contra and a second second	
Highway Dept	6,000.00	3,000.00	3,000.00
Salary of three Drafts- men	10,800.00	5,400.00	5,400.00
	omobile Div		02405
Salary of Deputy	4,800.00	2,346.65	2,453.35
Salary of two Clerks	7,200.00	3,600.00	3,600.00
Salary of Special Tag Clerks	3,600.00	1,800.00	1,800.00
I	Land Divisio		
Salary of Deputy	4,800.00	2,400.00	2,400.00
Salary of three Clerks Salary of one Clerk	10,800.00	5,400.00	5,400.00
and Stenographer	3,000.00	1,500.00	1,500.00
	nance Appro	priation.	
	106,125.00	70,245.02	35,879.98
Binding Government	9 400 00	2,340.75	59.25
Plats	2,400.00	2,340.75	03.20
Land Records	768.50	763.00	5.50
Copying Swamp Land	5 000 00	3,500.00	1,500.00
Records Clerks and Register	5,000.00	5,500.00	1,500.00
Fees	700.00	284.80	415.20
State Aid Appropria- tion	600,000.00	288,383.63	311,616.37
		\$412,413.85	
	4000,000.00	φ112,110.00	4000,110.00

The work in the Automobile Division of the Department is increasing materially from year to year because of the natural increase in number of licenses issued and the additional detailed work required by Act 494 of the 1921 Legislature which provided for a new schedule of fees on passenger cars and trucks. The Department must check each license issued and if found in error or incomplete must return the license to the person to whom issued for correction. Act 494 also provides that each dealer must file a monthly report with the Department showing the sales of new and second-hand cars during the preceding month. These reports are checked against the licenses issued in the respective counties and the Collectors are promptly furnished with a list of such cars sold, showing the name and address of the owner and the make, the motor and the serial number of the car. The provisions of the law which have required this detail have undoubtedly resulted in an increased number of paid licenses and from records existing it is believed that the increase has amounted to ten or fifteen thousand. Recommendations made in another part of this report for further change in the law will in our opinion, cause a much larger increase next year, for many of those persons now using motor vehicles without license will be forced to pay.

The fact that Collectors are required to make settlements quarterly for both the license and gasoline taxes and the fact that a part of the funds collected are turned over to the County and the balance to the State, has necessitated the employment of additional personnel to check each license and to keep proper record.

There has been compiled a great deal of data relative to automobile registrations and revenues, numbers of cars and trucks of different makes and classes licensed, fees on the several kinds of cars, revenues derived by other States and the automobile laws of the other States. This data is given in a series of tables which follow.

	Total	1.81.8	3790	125	13104	1180	2660	1	NNI-C	1698	1435	0.902	1087	1355	TGGF		733.5	1760	1115	2220	orba	3131	1.6.95		1127	123	110	1158.41	TUGE	
Isas.	Oct. 1. 1922	1805	165	500	3332	111	636	11.1	851	806	SN3	074	265	326	F16	116.1	1111		10601	1.0.1		TOX	1.8.1	6.6.I I	10111	(116	1.8Tr.	100	1.11.0
State of Arkansas.	1921	1501	660	FTI	3031	6.1.1	18.5	966	18.5	199	7.591	1311	236	926	673	208	19921	887 887	012	156	200	600	6666	005	1.6	130	113	2018	189	
2, State o	1920	1953	265	12	2583	100	171	202	191	641	181	6559	177	259	711	202	1233	821	1:3.4	367	175	1.40	100	513	614	160	006	1445	66-1	
to October 1, 1922,	6161	1152	161		15-10	346	168	282	191	278	101	538	130	246	687	105	1017	681	1-00	TH	399	-13-1	533	832	369	118	214	186	129	A A A A A A A A A A A A A A A A A A A
to Octobe	1918	1137	120		1011	260	305	131	20.5	4:38	185	158	113	100	819 8	186	885	537	525	377	359	385	91-1-	669	513	t8	181	181	5-13	
	1917	700	331	100	202	176	216	135	138	191	361	279	68	132	378	308	576	353	389	262	255	268	111	456	324	56	112	641	387	1.41
Automobile Applications Issued 1913	1916	111	228	10	445	111	120	658	13	159	173	183	락	120	155	184	1111	184	170	155	145	155	154	206	172		17	432	209	
olication	1915	285	105	۲	307	62	14	81	4	80	22	104	15	<u>18</u>	11	113	159	19	39	Ę		-s	76	+2	xx	8	**	167	111	100
oile Apr	1111	176	50		102	5	67	16	31	65	01	10	с,	11	12	08	133	12	;;	21	94	11	99	14	׆	20	e I	206	76	1.0
Automol	1913	1-6	18		01 0	e2	11	•	i¢.	1.5	× 1	25	51	¢	10	02	8	6	Ξ	Ξ	16	16	61	×,	2	1~	-	12	0†	1
	Counties	Arkansas	Ashley	Baxter	Benton	Boone	Bradley	(alhoun	(arroll	(.hicot	(lark	Clay	(Jeburne	(Teveland	Columbia	VEWHO!)	Craighead	(Tawford	Crittenden	Sol.	Dallas	Desha	Drew	Faulkner	Franklin	Fulton	Grant	Garland	Greene	I worker to the family

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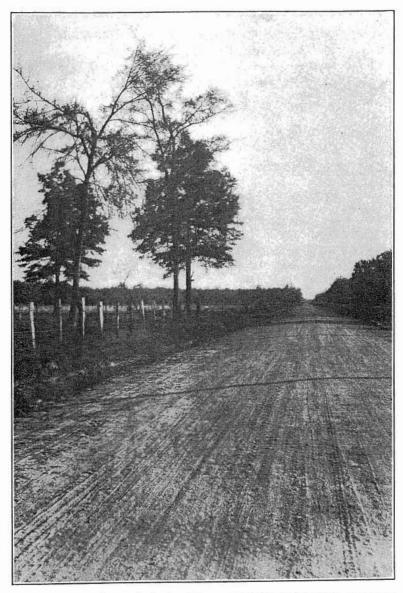
FIFTH BIENNIAL REPORT

4	Allforby	A alla	Automotie Applications Issued 1915	s issueu	1219	to October 1, 1322, State of Arkansas.	I, 1922,	State o	I AFKAI	ISas.	
Counties	1913	1914	1915	1916	1917	1918	1919	1920	1921	Oct. 1, 1922	Total
Hot Spring	6.	34		101	174	301	365	442	492	636	2614
	1-	18		11	196	400	497	596	101	Pres	0686
dependence	1-	33	49	121	307	134	534	627	605		35.81
ard			8		9	22	34	60	83	128	333
ickson		45	56	138	394	680	823	654	803	1057	5060
Jefferson	106	309	443	789	1393	1761	2125	2635	3055	3434	16050
huson	6	21	39	115	322	530	639	701	639	594	3609
Lafayette	22	85	117	162	227	320	381	463	541	631	2958
awrence	ŝ	24	43	129	316	417	465	610	677	833	3517
60	18	5	70	223	458	579	659	666	500	796	4049
ncoln	1-	19	35	80	230	306	270	350	350	445	6006
Little River	6	31	38	64	171	201	380	435	471	401	0300
Logan	Ξ	32	69	186	392	713	840	1007	1127	1220	2022
noke	51	139	203	368	726	1074	1229	1368	1345	1589	8092
Aadison		51	ŝ	6	20	47	85	131	186	262	747
Marion				Ξ	35	58	12	57	89	100	378
iller	27	106		244	412	667	864	666	1118	1903	9025
ississippi	76	138		427	925	1157	1181	1571	398	1893	8883
Monroe	19	41		125	324	505	486	496	508	277	3135
ontgomery	2	9		20	36	101	144	186	514	747	190
Nevada	13	27	39	79	215	418	212	200	565	534	0966
ewton		*******			e	50	12	27	54	81	206
uachita	37	64	84	179	322	480	631	773	862	1070	1500
Perry	1		ะเ	33	113	143	164	193	156	181	986
uillips	46	189		470	884	1070	1324	1490	1462	1882	9035
ke	ŝ	6.		55	105	172	211	238	986	788	1415
Poinsett	14	35		139	257	386	443	305	010	816	3050
olk	10	40		53	149	250	314	438	147	919	2116
-100	06	6.9		FUG.	120			010		110	

	Automob	oile Ap	plicatio	ons Issued 1913	1913	to October	Automobile Applications Issued 1913 to October 1, 1922, State of Arkansas.	State	of Arkal	nsas.	
Counties	1913	1914	1915	1916	1917	1918	1919	1920	1921	Oct. 1, 1922	Total
Justria	56	1.0	6.8	141	626	445	516	606	704	860	3706
2 date in	202	191	1706	0676	1008	2856	TAA7	9960	11069	19000	55670
INSEID	0.60	TICI	00/1	0747	0007	000	000	0000	1000	GFF	CYLF
sandolph a	~	18	23	20	0/1	AAT	777	607	970	768	1144
Saline	19	44	12	152	288	349	423	566	696	827	3435
Scott	5	22	36	65	136	263	287	313	331	348	1804
Voltov.			Contraction of the second	15	34	52	49	87	109	145	491
Schastian	127	435	587	1013	1696	2420	3031	3795	4790	5624	23518
Povier	20	40	15	102	256	423	611	689	676	677	3545
tham	ì	-		13	37	64	74	112	116	184	604
St. Francis	21	51	95	297	487	507	685	757	822	879	4601
Hone		1000		-	15	22	74	74	110	109	405
nion	5	40	72	161	339	469	524	640	1319	2583	6192
Van Buren		12	17	58	111	140	158	213	184	194	1087
Washington		132	206	364	631	935	1215	1607	1968	2474	9567
White		29	120	192	440	782	925	1007	1182	1567	6310
Woodruff		54	53	155	329	588	654	804	630	758	4045
Yell	18	35	46	143	386	599	589	683	625	838	3962
Totals		5594	7980	15008	28248	41730	50194	60537	68308	82108	361599
T	Applications	s ()ctober	pr 1 to 1	-	31, 1922					2000	2000
										84108	262500
										DATEO	000000

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Fine gravel roads are to be found in many parts of Arkansas. The road shown above, Federal Aid Project No. 98, Road Improvement District No. 12, Woodruff County, is typical of the many miles of roads of this character built during the past several years.

AUTOMOBILE DIVISION

Table XXV (Continued)

Number and Make of Passenger Cars Licensed in Arkansas, 1922.

Make	No.	Make	No.
Maibohm	2	Standard Steel	2
Marion	2	Stearns Knight	48
Maxwell	1547	Stephens	265
McFarlane	1	Steven	14
Mercer	4	Stoddard Dayton	ĩ
Metior	3	Studebaker	1885
Metz	30	Stutz	27
Mitchell	130	Sun	-1
Moline King Bee	2		
Monroe	34	Templer	1
1.7	119	Texan	11
	66	Toyland	1
Marmon	00	Tulsa	16
Nash	566	Velie	189
National	19		0.0
		Waverly	2
Oakland	612	Wescott	21
Oldsmobile	630	White	8
Olympia	3	Willis St. Claire	3
Overland	3516	Winton	20
Presidential and a second state of the second		Willys Knight	313
Packard	110	676 7.56	100
Paige	493	Yellow Cab	7
Pan American	8	Electric.	
Path Finder	6	Detroit .	26
Patterson	7	Maibohm	15
Peerless	35	Ohio	6
Piedmont	29	Rauch Lange	13
Pierce Arrow	3	Wood	8
Pilot	2	wood	0
Pratt	1	Steamers.	
Premier	25	Stanley	4
Pullman	12		
	1	Motorcycle.	10000
Ranger		Excelsior	24
Regal	24	Harley Davidson	160
Roamer	19	Henderson	8
R. C. H	1	Indian	36
Reo	402	Metz	1
Saxon	200	Pope	3
Sayers Scovall	5	Reading Standard	2
Scripps Booth	2	Sears	1
Seneca	3	Thor	1
Shaw Cab	6		
SHEW CAD	0	Wagoner	4

Table XXVI.

Kind,	Number	and	Sizes	of	Trucks	Licensed	in
0.1999/1997/0211024-92		Ark	ansas	in 1	1922.		

Make		T	ons			
1	1½	2	21/2	3	31/2	õ
Accason		2	1			
Acme		13	****			
Alco				1		20
All American 2						
Allen1						
Apex		1		1927		12
Apperson	1			1.00		
Armleder			7		5	
Atteberry		1			121	-
Auto Car	1					
Bethlehem 6	7	4	4		822	
Buick 14		-				
Bush 1				120	100	
Business 1						
Cadillac	8				**	877
Carles 1		00000			(5.5	
Case 1				**	1.0	
Chalmers 2			12.01	1	3.28	
Chandler 1				72		
Chevrolet 64			****	- •		••
Climber 4		4 3		87.5	105	10.0
Clydesdale 2	4	9				
Cole	2			**	4.1	
Collier 1				1	1.55	2.7
Commercial 11	1	****		199		
Crow Elkhart 1						**
Cunningham 1				0.0	(2)2)	(2.7)
Davis		2				
Day Elder 3	14	2	3	**	**	
Dearborn 1		2				
Defiance	3			1.1	22	
De Kalb	2					
Denby		1				
Diamond T 1	5	11		2.27	1	
Dodge	14					
Dort	1	2				
Duplex	3		1	3	22	
Electric Vehicle 2 E. M. F. 1					••	
E. M. F 1				100	** **	••

Table XXVI (Continued)

Ark	ansas i	n 1922	•			
Make	and the second second second	1	lons			
1	1½	2	21_{2}	3	31/2	5
Federal	52	86	1	2	8	1
Ford		10.00	20000		100	
F. W. D	122.22	1		3	1 =	147
Garford 11	26	22		2	1	
Gary	1		6	~~		123
G. M. C 37	15	39		4	1	
Grant 1		5		1775	(11) (11)	125
Grim Bernstein	3	Э	4	1212	1	
lerbert			ting the second s	22	1	82
Hudson 4	1	1	10.0			
luffman	2	1			(1)	
Hupmobile 1					12/2	144
Indiana		10	7		3	
International 150	39	53		3		100 194
leffrey 1		12532	10000	32	6250	10
K. K. K.		1				
Kelly	8		4	4	1	1
Kissell	9	11		1		
Kochler 1	-1					
Leaudinghoss		4	A			
Little Giant 2		6	1	1212		12
Lorine 1				(312)		
Lozier 2						
Mack	3	10	1		1	2/19
Maxwell 113	29					
Meteor	4	2	1000	0.00	122	10
Moon	1			~.	-	
Nash	1	44	1	14.5		1.2
Oakland 4						
O. K	5	22	1	5	(89) (22)	755
Old Hickory 3		<u></u>				- 10
Oldsmobile 72	2		1100	**	**	18
Overland		2000) 1990)		33 129	555 11 1	557
Storadille and and all				•••	1.11.14	-

Kind, Number and Sizes of Trucks Licensed in Arkansas in 1922.

Table XXVI (Continued)

Kind, Number and Sizes of Trucks Licensed in Arkansas in 1922.

Make Packard Paige Parrot Peerless Pierce Arrow		<u>1½</u> 7	$\frac{2}{13}$	$\frac{2\frac{1}{2}}{2}$	3	31/2	5
Paige Parrot Peerless	1			•)	-		
Paige Parrot Peerless	1	(1757)		4	3	1	
Parrot Peerless			2	5		2	-
Peerless				1	••		
		1.00007254		-	7		100
refor information			7				5
					**		
Ranger			1			247	2
Reo	86	6	3		900 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -		
Republic	184	75	61	21		1	
Rockfall		3					
Sampson	2			****		•	-
Sandon					1		-
Sanford	1					1	
Savers Scoville			1	****			
Seldon	1		3				
Service	6	2	14	4	2	1	
Standard			1	1			
State	1						
Stephens	1					**	
Sterling			4		+-		
Stewart			1				
Studebaker	26						
Texan		1					
Traffic	4	5	41			·	
U. S	3	7	4	5	3	-	
Velie		2					
Vim	11				0212	122	
White	43	23	86		4	3	
Wichitaw		2	13	1		ĭ	
Williams Car-	4	-	10			-	
riage		2		****			
Willys Knight							
Wilson	3						
Winton	•	1					
Witson	1					10	
Frailers	54	10.000					~
Semi Trailers	28				a		-

Table XXVII. Motor Vehicle Registrations and Revenues. Jan. 1 to July 1. 1922. All States of Union.

5-T- A-T-12	and, rotott	PAS	PASSENGER C.	CARS.	Motor	T	Motor-	Total Gross	Total Gross
		Total.	Private.	Taxis and Buses (6)	Private.		eyeles.	tion Frees.	Taxoane
Alabama	87,129	77,509	74,962	2,547	9,620		598	\$ 1.215.414.33	\$
Arizona	83,121	33.121	32,996	125	(1)	1 a 100	185	202,544.00	
Arkansas (4)	74,947	67.900	67,900		7.047		192	900,000,009	175,000.00
California	723,439	689,163	689,163		34,276	3.701	13,713	7,523,675.41	
Colorado	141.756	132,847	132.847		8.909	54	2,118	898.029.66	300.707.14
Connecticut	129,900	107,687	105.560	2,127	22,213	69	2,144	3,155,631,34	348,473.54
Delaware	21.800	21,800	21.800		(1)	99	335	384.727.00	
Dist. of Col	64,992	58,976	57,568	1,408	6,016		1,859	345.504.25	
Florida	102.789	87,040	84.901	2.139	15,749	390	946	1.440,494.93	(2) 191.191.81
Georgia	126,500	112,500	112,500		14.000	a monthly a	223	1.704.515.49	
Idaho	47,094	47,094	47,094		(1)		109	(3) 675,201.57	
Illinols	676,748	591.437	591,137		85,311		6,063	7,193,561.31	
Indiana	425,000	350,000	350,000	************	45,000	1.985	5,152	2.734,403.00	
lowa	460,069	431,798	431,798	************	28,271	96	3,089	7,315,221.94	
Kansas	288,742	269,065	269.065	•••••••••••••••••	19,677	And the second second	1,714	3,449,151.00	
Kentucky	129.100	114,307	114,307		14.793		841	2.107,692,65	447,549.97
Louisiana	83.624	70,940	70,940		12,684		395	1.609,850.79	220.000.00
Maine	80.656	69,467	67,741	1.726	11.189	361	1,031	1,213,825.03	
Maryland (4)	130,631	120,776	120,776		9,855	the state state state	3,752	2,339,000.00	(5) 65,000.00
Massachusetts	337,336	282,850	282,850	······	54.486	435	8.708	4,588,038.65	
Michigan	493,247	442.055	442,055		51.192	3.823	4,199	7,011,620.87	
Minnesota	335,750	300,750	300.750		35.000	150	2.500	6,059,330.08	
Mississippi (4).	63,420	58.420	58,420)		5,000		135	800,000,000	65,000,00
Missouri	346,623	310,822	310,822		35,801	818	2,370	3,175.216.95	
Montana	52,550	47.000	47,000		5,550	1	146	539,820.00	121.790.28
Nebruska	216.902	198,717	198,717		18,185	294	1,101	2,672,758.64	
Nevada	10.628	10.628 1	10 620		111	10	03	1.7 1.10 0.01	

			I manhan	a shin house					
\$ 5.510.845.79	\$134.165.505.97	149.994	22.095	1.096 805	55.900	9 487 874	9 593 864	10 620 471	
	290,596,75	250	10	2,700		24,200	24,200	36.900	Wyoming
	3,834,499.00	1.877	a second of the	24,325		334,905	334,905	-	Wisconsin
THERE AN ADDRESS STREET, SALES	1,656.435.14	950	64	4,050	4.600	81.600	86.200	90.250	West Virginia
405,950.21	2,980,017.00	2,934	665	27,422	2.235	154,340	156,575		Washington
	2,196,579.20	1,450	123	20,000		130,000	130.000		Virginia
	680,741.22	699	the set of sectors in	2,176		35.276	35,276	37,454	Vermont
	646,815.25	292	65	5,900		34,800	34,800	40,700	Utah
	3.906.230.00	2,831		(1)		449.246	449,246	449,246	Texas
	I,435,660.98	135	and the second	14,478		103,733	103.733		Tennessee
	760,000.00	481	The second se	7,716		1.03.731	103,731	111,447	South Dakota
216,901.57	690.962.66	261	39	6,304	And the loss	77,505	77,505		South Carolina.
	923,220,00	726	[9.878	403	41,096	41,499	51,377	Rhode Island
1,597,200.89	11.046.479.55	15.704	898	56,382		660,262	660,262		Pennsylvania
470,287.22	2,973,378,84	2,424	222	12,407	48S	95.884	96,372		Oregon
	2,196.342.25	504	Num arrive	(1)	1951 111 111 11	179,000	179,000		Oklahoma
	6.342.628.26	000"21	000't	110,000		650,000	650,000		Ohio
The second secon	613.990.60	584		2,365		86.354	86,354		North Dakota.
400,000.00	2,200,000.00	1.275		15,454		147,488	147,488	162,942	North Carolina.
	10.950,091.57	21,382	2,705	161,577	30.398	614,199	704,517	866,094	New York
68,621.61	203.243.36	13	A construction of the	(1)	The second se	20.702	20,702	20,702	New Mexico
	5.449,955.35	7,364	124	63.647	461.1	216,418	224.212	287.859	New Jersey
	DE-DATIONO	40.1 T	002	(1)		42,608	12,008		New Hampsnire.

Table XXVIII.

License Fees Required For Automobiles.

3 4. 30		tes nequireu s'an reaconnoi		
A store	Passinger Capacity	Allen. Weight	Lisuise Louve	I
1913		Touring	$\frac{22.5}{27.5}$	\$15,00
1914	5	Touring	27.5	16.00
1914	7	Touring	27.5	17.00
1911-15	.,	Roadser2075	1015	13,00
1911-15	-	Touring 3125	225	11,00
1915-6-7	-	Touring	$\frac{22.5}{22.5}$	15,00
1917-18	-	Touring 3635	22.5	15.(1()
1919-20-21		Tonring 3115	19.6	13.00
1921		Roadser 3115	19.6	13,00
1921	or en en en en le Anton en	Coupe 1350	19.6	1(1,()()
1921	-	Sedan	19.6	16.00
1.021	<i></i>	Ambassador.	A 47 + 17	A 11-2-2
			31.5	111111
	$\frac{9}{4}$	Roadser	31.5	27 (16)
	-1	Sport	31.5	22.00
	1	Johning	31.5	
	4	Sedan	51.5	23.00
		American. Touring 3835 Touring 1245		
	-1	Touring 3835	29.00	17,00
	ŧĩ	Touring 1245	29.66	18.000
		Anderson.		
13	•)	Roudster 3220	25.35	11.(11)
Ĝ	1	Sport (Tour.)	25,35	15.00
6.	.5	Touring 3670	25.35	16.00
ì	7	Fouring 1010	25,35	16.00
1ŝ	1	Coupe 3900	25.35	16.06
1	215715	Sedan	25,35	17.00
		Apperson.		
	1	Tourster	37.8	20.00
	1	Sporster	37.8	20.00
	1	Fouring 1660	37.8	21.00
	1	Coloreste 1707	.17.8	21.00
	1	Sedanette	37.8	22.00
	17177	Touring	37.8	22.00
	1	Sedan		22.00
		Auburn.	0102 00020	
	2 4 5	Roadster 3185	25.35	11.00
	1	Coupe 3795	25,35	16.00
	.5	Touring	25.35	16.00
	57	Sedan 4000	25,35	16.00
	1	Sedant 1300	25.35	17.00

STATE HIGHWAY COMMISSION

Table XXVIII (Continued) License Fees Required For Automobiles.

A car Musici	Passing) Caparity	Birch.	Gruss Weight	Dates	Lee	
:30	.5	Touring	2830	15.6	11.(11)	
11	2	Routster	2850	19.6	12.(11)	
11	.i			19.6	13,00	
66	3	Roadster	3100	25.35	11.00	
1,11	.5	Touring	3400	25.35	15.00	
111	.5	Touring Sedan	3700	25.35	145,1303	12
		Bour-Davis.				
1916	.1	Fouring	3650	25.10	15.00	
1917-18	5	Touring		29.10	17.00	
1919	-	Fouring		25,10	15,00	
1920-21	3	Fouring	3950	29,40	17.00	
1920-21	55557	Touring		29,40	18.00	
1 1	1	Brewster.		3000000 0000	• • • • • • • • •	
	1		11410	25.6	17.00	
	15	Coupe Touring .	1111111	25.6	19.00	
	6	Sedan	19110	25.6	19,00	
	•1	Delaura		2.1.07	E. C. C. C.	
	20	Roadster Touring Sodan	·	18,23	10,00	
	-	IX000018101		18.23	11,00	
	21.222	Sedan .	27.00	18 23	12.00	
	*1		. many	10	12,00)	
	12.5	Buick 6 Cylinder.	11-11-1	1313 m	1.1. 1.1.1	
(5) 1915		Boadster	(10)	33.7	18.00	
(55-1915	3	Touring	17.517	33.7	20.00	
D11 1916-7	2	Roadster	27.50	25.3	13.00	
D45 1916-7		Binck & Cynader, Roadster Toaring Roadster Touring Coupe	.5 [.5()	25.3	15.00	
D46 1916-7		Coupe	322.)	25.3	1.1.00	
D47 1916-7	7	DURIT	111.311	25.3	16.00	
D51 1916-7	2	Roadster		33.7	18.00	
E 19/1917-8	1	Touring	1120	27.3	17.00	
ELI 1917-8	3	Touring Coupe	3180	$\frac{27.3}{27.3}$	15.00	
E50 1917-8	1	Sedan Touring Coupe		27.3	19,00	
E45 1917-8	. 1	Touring	3625	27.3	16.00	
E46 1917-8	1	Coupe	.3660	27.3	16.00	
E17 1917-8		Seclists	111111	27.3	17.00	
1919-20-21	.3	Boadster .	.3265	27.3	15.00	
	5	Touring	3700	27.3	16.00	
1 16	f	Boadster Touring Coupe Sedan Touring	37(8)	27.3	16.00	
	5	Sedan	. 1045	27.3	17.00	
	7	1 1 1 1 1 1 1 1 1 1 2 1	1225	$\frac{27.3}{27.3}$	17.00	
	103040774	Sedan		27.3	19.00	
K 18 1921	1	Coupe	10(1()	27.3	17.00	
K50	1	Touring	1325	27.3	18.00	

FIFTH BIENNIAL REPORT

Table XXVIII (Continued) License Fees Required For Automobiles.

.

	License re	es neguneu ror 1	lucomo		
Year Model	Passenger Capacity		Gross Weight	Horse Power	Fee
Moder	capacity	Buick 4 Cylinder		1 (((())))	
1915					
C24	?	Roadster	2500	22.5	12.00
C25	215215	Touring		22.5	13.00
C36	5	Roadster	3100	22.5	13.00
C37	5	Touring		22.5	15.00
1917-8	()	Young			
D34	2	Roadster		18.2	10.00
D35	5	Touring	2800	18.2	12.00
E37	5	Sedan		18.2	12.00
1922	5	Roadster	.2610	18.23	11.00
L. C. marked	3	Coupe	3010	18.23	12.00
	5	Touring	3130	18.23	12.00
	21515213155	Sedan		18.23	13.00
	0	Bush.		2-3-5-5-54	
	2		0000	10.0	12.00
	$\frac{2}{5}$	Roadster	2820	19.6	13.00
		Touring		19.6	15.00
		lillac 4 and 8 Cylin			
	$\frac{2}{4}$	Roadster	4165	31.25	18.00
	4	Victoria		31.25	19.00
	4	Phaeton		31.25	19.00
	4 5 7 7	Sedan		31.25	20.00
	7	Touring		31.25	21.00
	7	Limousine		31.25	21.00
		Case 6 Cylinder.			
	7	Touring		29.4	19.00
	4	Sport	4010	29.4	17.00
	4	Coupe	4950	29.4	18.00
	7	Sedan	4850	29.4	19.00
	4	32,329 55		I	1.0.00
		Case 4 Cylinder. Touring	9050		15.00
1915	5	Touring		24.03	15.00
1916-7	7	Touring	4320	21.03	16.00
		Chalmers.			
	2	Roadster		25.35	14.00
	2 5 4 5	Touring		25.35	15.00
	4	Sport	3500	25.35	15.00
	5	Sedan		25.35	16.00
	4	Coupe		25.35	16.00
	7	Touring	4085	25.35	17.00
	1000	U			

Ycar Model	Passenger Capacity	Chandler. Gross	Horse	Fre
		Roadster	29.4	15.00
	$\frac{2}{4}$	Roadster3467	29.4	16.00
	-1	Dispatch3474	29.4	16.00
	7 4 7 7	Touring	29.4	17.00
	1	Coupe	29.4	17.00
	7	Sedan	29.4	18.00
	7	Limousine	29.4	19.00
		hevrolet Model "F. B."		
	2 2 5 5	Roadster	21.75	13.00
	2	Coupe	21.75	13.00
	5	Touring	21.75	14.00
	5	Sedan	21,75	15.00
		Chevrolet Model 490.		
	2	Roadster2120	21.75	11.00
	$\frac{2}{5}$	Coupe	21.75	11.00
	5	Touring	21.75	12.00
	5	Sedan2910	21.75	13.00
		Cleveland.		
	2	Roadster	21.6	12.00
	2 3 5 5	Coupe	21.6	13.00
	5	Touring	21.5	14.00
	5	Sedan	21.6	14.00
		Climber 6 Cylinder.		
	3	Roadster	25.00	15.00
	5	Touring	25.00	16.00
		Climber 4 Cylinder.		
	2 5	Roadster	19.00	12.00
	5	Touring	19.00	13.00
		Cole.		
	2 4	Roadster	39.2	19.00
	4	Sportster	39.2	20.00
	3	Sport Coupe	39.2	20.00
		Sport Sedan	39.2	21.00 -
	7	Tourster	39.2	21.00
	5-6	Sportosine	39.2	22.00
	7	Tourosine	39.2	23.00
	7	Toursedan	39.2	23.00

FIFTH BIENNIAL REPORT

Table XXVIII (Continued) License Fees Required For Automobiles.

Year	Passenger	Columbia. Gross	Horse	
Model	Capacity			11.00
	25	Roadster		15.00
	i	Touring	0 25.35 0 25.35	15.00
	4	Sport	1 25.35	16.00
	5	Coupe		16.00
			J 20, 61. J	10.00
		Commonwealth.		
	2	Roadster260	19.6	11.00
	21-555	Chummy Roadster 290) 19.6	12.00
	5	Touring	0 19.6	13.00
	.)	Sport	0 19.6	13.00
	- S	Sedan	0 19.6	14.00
	6	Touring	1 22.5	14.00
	Cr	ow-Elkhart 6 Cylinder.		
S	.2	Roadster 277	0 25.35	13.00
	2457	Sport	0 25.35	11.00
	5	Touring	0 - 25.35	16.00
	7	Sedan 375) 25,35	16,00
	Cr	ow-Elkhart 4 Cylinder.		
L	2	Roadster	0 19.6	11.00
2	2	Sport		12.00
	5	Touring) 19.6	12.00
		Cunningham.		
	4	Touring	15.00	24.00
	-1	Limousine) 45.00	25.00
	6	Touring) 45.00	25.00
9	7	Touring) 45.00	25.00
	-1	Hearses and Am-		
		bulances5800		26.00
	6	Limousine) 45.00	27.00
	7	Limousine	45.00	27.00
		Curtis.		
	5	Touring) 19.00	13.00
		Daniels.		
C-D	2	Speedster	5 39.2	20.00
	2 3	Roadster) 39.2	21.00
	-1	Coupe	5 39.2	22.00
	4	Sedan) 39.2	22.00
	4	Touring	5 39.2	22.00
	6	Touring) 39.2	23.00
	7	Touring	39.2	23.00

STATE HIGHWAY COMMISSION

Table XXVIII (Continued) License Fees Required For Automobiles.

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Year Model	Passenger Capacity	Daniels-Cont'd.	Gross Weight	Horse Power	Fee
	7	Sedan		39.2	24.00
	7	Limousine		39.2	24.00
A-B	2	Speedster		33.8	18.00
	$\frac{2}{3}$	Roadster		33.8	19.00
	4	Coupe	4550	33.8	20.00
	-1	Touring		33.8	19.00
	-1	Sedan		33 8	20,00
	7	Sedan	5250	33.8	22.00
	6	Touring		33.8	20.00
	7	Touring	4950	33.8	21.00
	7	Limousine	5150	33.8	21.00
		Davis.			
	2	Roadster	2000	25.35	14.00
	4	Sport	2500	25.35	15.00
	-1	Sport	9820	25.35	16.00
	3 5	Coupe Sedan	4150	25.35	17.00
11.11		Sedan	9750	29.35 29.4	17.00
1919	-1	Sport	1950	25.35	17.00
	$\frac{4}{7}$	Sedan Touring		29.4	18.00
	1		1200	40.1	16.00
		Detroiter.	0000	00.00	10.00
1915-16-17	215 215	Roadster		20.00	12.00
(i)	5	Touring		20.00	13.00
6-48	2	Roadster		29.00	18.00
	5	Touring		29.00	18.00
		Dixie-Flyer.			
	2	Roadster or Speed	-		
		ster		19.6	12.00
	5	Touring	3325	19.6	13.00
	$\frac{2}{5}$	Coupe		19.6	13.00
	5	Sedan		19.6	14.00
		Dodge.			
	9	Roadster	2590	24.03	12.00
	2 3 5	Coupe	2970	24.03	13.00
	5	Touring	3240	24.03	14.00
	5	Sedan	3795	24.03	15.00
	0	Dorris.			
	121		4504	38.4	21.00
	4	Tourist	4702	38.4	22.00
	4	Coupe	5960	38.4	23.00
	4 7 7	Sedan	5165	38.4	23.00
	1	Touring		1)0.4	20.04/

Table XXVIII (Continued)

License Fees Required For Automobiles.

Year Model	Passenger Capacity	Dort. Gre Web	ss	Horse Power	Fee
		Roadster	20	19.6	11.00
	2355	Coupe	05	19.6	12.00
	5	Touring	70	19.6	13.00
	5	Sedan	65	19.6	14.00
		Dupont.			
	•)	Roadster	00	24.8	14.00
	2 1	Touring	00	24.8	16.00
	ì	Sedan	00	24.8	16.00
	20.5	Elcar 6 Cylinder.	0.000		a.a.a.
	3	Roadster	60	25.35	14.00
	1	Sportster	10	25.35	15.00
	3	Coupe	95	25.35	15.00
	5	Touring	10	25.35	15.00
	5 5	Sedan 39	25	25.35	16.00
		Elcar 4 Cylinder.			
	3	Roadster	50	19.6	13.00
	4	Sportster	40	19.6	13.00
	5	Touring	10	19.6	14.00
		Elgin.			
	5	Touring	00	23.14	14.00
	-1	Scout	10	23.44	14.00
	1	Coupe	10	23.44	14.00
	5	Sedan 37	25	23.14	15.00
		Emerson.			
	5	Touring	98	22.00	14.00
		Empire.			
51	2	Speedster	70	24.6	14.00
52	2 5 4 5 7	Touring	50	24.6	15.00
73	4	Roadster	80	26.4	15.00
70A	5	Touring	50	26.4	16.00
70A	7	Touring40	50	26.4	17.00
		Enger 12 Cylinder.			
	3	Roadster	50	34.6	17.00
	3 3 5 5 7	Coupe	50	34.6	17.00
	5	Touring	50	34.6	18.00
	- 5	Sedan	50	34.6	18.00
	7	Touring	50	34.6	18.00
		Enger 6 Cylinder.			
	3	Roadster 32	50	29.4	15.00
	3 3 5	Coupe	50	29.4	15.00
	5	Touring	50	29.4	16.00

Table XXVIII (Continued)

License Fees Required For Automobiles.

		and and a set of the			
Year Modei	Passenger Enpacity		Gross Weight	Power	Fee
		Enger 4 Cylinder.			
	2	Roadster		28.9	11.00
	2.5	Touring	3250	28.9	15.00
		Essex.			
	2	Roadster	.2845	18.2	12.00
	2	Cabriolet		18.2	12.00
	2255	Phaeton	3310	18.2	13.00
	5	Sedan	3650	18.2	14.00
		Ford.			
	2	Roadster	1765	20.00	10.00
	2	Coupe	1985	20.00	10.00
	5	Touring	2325	20.00	11.00
	2255	Sedan	2625	20.00	12.00
		Franklin.			
	•)	Runabout	2605	25.35	13.00
	1	Roadster		25.35	14.00
	i	Brougham	3305	25.35	15.00
	5	Touring	3180	25.35	14.00
	21155	Sedan	3505	25.35	15.00
	100	Gardner.			
	:	Roadster	2770	19.6	12.00
	3	Coupe	2975	19.6	12.00
	5	Touring	3120	19.6	13.00
	231212	Sedan	3485	19.6	14.00
		Grant 6 Cylinder.			
	•>	Roadster	9095	23.44	13.00
	-	Coupe	3500	23.44	15.00
· ·	2	Touring	3475	23.44	15.00
	2455	Sedan	3750	23.44	15.00
					LUICO
	2	Grant 4 Cylinder. Roadster	1500	12.10	10.00
1914	2			12.10	10.00
	0	Gray.	1000	20.25	10.00
	2	Roadster	1000	20.25 20.25	
	2	Coupe			$10.00 \\ 11.00$
	221313	Touring		$20.25 \\ 20.25$	12.00
	.)	Sedan		20.20	12.00
	72	Hackett.	0000	100 -	10.00
	$\frac{2}{5}$	Roadster		22.5	12.00
	5	Touring	3110	22.5	13.00

FIFTH BIENNIAL REPORT

Table XXVIII (Continued) License Fees Required For Automobiles.

Gross Weight Horse Passenger Capacity Year Halliday. Fee Power Model 21.00 15.005 Hanson. 25.35 14.00 2 25.3515.00 4 25.3515.00 5 17.00 25.355 Harroun, 25.3514.00 5 Haynes 12 Cylinder. 27 19.00 36.00Touring 4850 36.00 21.0021.00 4 36.00 36.00 20.00 Tourister _____4350 . 23.00 36.00 7 Haynes 6 Cylinder. 29.4 17.00 2 29.4 18.00 4 29.4 18.00 4 7 29.420.00 H. C. S. 21.0314.00 22 21.03 15.00 15.00 4 21.03 Holmes. 29.416.004 29.417.00 4 17.00 7 29.4 18.00 7 29.418.00 29.46 Howard. 25.3520.00 7 Hudson. 29.417.00 4 29.417.003 29.4 18.00 4 5 Limousine 29.419.00 29.4 19.00 7777 29.4 20.0029.4 20.00

Model	Passenger Tapacity	Huffman. Gross Weight	Horse Power	Fee
KR	3	Roadster	27.35	15.00
KT	.5	Touring	27.35	16.00
		Hupmobile.		
N	2	Roadster	22.5	13.00
	212 12 17 213 4 12 202	Touring	22.5	15.00
	.5	Sedan	22.5	15.00
	7	Touring	22.5	16.00
R		Roadster 2675	16.9	11.00
	.5	Touring	16.9	12.00
	4	Coupe	16.9	13.00
		Sedan	16.9	14.00
K	2	Roadster3030	18.2	12.00
	.5	Touring3800	18.2	14.00
		Interstate.		
	2155	Roadster	19.6	12.00
	ł	Chummy Roadster 3150	19.6	13.00
	.5	Touring	19.6	13.00
	.5	Sedan	19.6	14.00
		Jackson.		
	55	Touring	25.35	16.00
	5	Semi-Sport3950	25.35	16.00
	1	Sport 3900	25.35	16.00
	5	California Special 4070	25.35	17.00
	4	Coupe	25.35	17.00
	5	Sedan	25.35	17.00
		Jeffrey.		
	2	Roadster	25.35	14.00
	$ \begin{array}{c} 2 \\ 4 \\ 5 \\ 7 \\ 7 \\ 7 \end{array} $	Coupe	25.35	16.00
	5	Touring	25.35	16.00
	7	Sedan	25.35	17.00
	7	Touring	25.35	17.00
		Jordan.		
	2	Play Boy	25.35	14.00
	21515 4 7 5 7	Touring	25.35	15.00
	5	Brougham	25.35	16.00
	1	Sport	29.40	17.00
	7	Touring4200	29.4	18.00
	5	Sedan	25.35	18.00
	7	Limousine	29.4	19.00

FIFTH BIENNIAL REPORT

Year Passenge Model Capacity	King.	Gross Weight	Horse Power	Fee
	Roadster		28.8	16.00
$\frac{2}{4}$	Some		28.8	17.00
3 5 7 5	Coupe		28.8	17.00
5	Touring		28.8	18.00
7	Touring		28.8	18.00
5	Limoudan		28.8	19.00
5	Sedan		28.8	19.00
	Kissell.			
$\frac{2}{4}$	Speedster	3945	26.33	16.00
4	Tourster		26.33	17.00
7	Touring		26.33	18.00
4	Coupe		26.33	18.00
4	Sedan		26.33	18.00
5	Sedan		26.33	18.00
6	Sedan		26.33	19.00
	Kline.	000000000		
5 5 7 7	Touring		25.35	15.00
5	Sedan		25.35	15.00
7	Touring		25.35	16.00
7	Sedan		25.35	16.00
	Krit.			
25	Roadster		22.4	12.00
5	Touring	3050	22.4	13.00
	Lafayette.			
2 4 4 7 7 7	Roadster		33.8	19.00
4	Torpedo	4505	33.8	20.00
4	Coupe		33.8	20.00
7	Touring	5060	33.8	21.00
7	Sedan		33.8	22.00
7	Limousine	5425	33.8	22.00
	Lexington.			
5	Touring		25.35	15.00
5	Sedan		25.35	16.00
4	Coupe		25.35	16.00
-1	Sedanette		25.35	16.00
7	Touring		25.35	17.00
7	Sedan	4500	25.35	18.00
	Liberty.			
$^{2}_{5}$	Roadster		23.44	13.00
	Touring		23.44	15.00
4	Coupe		23.44	15.00
5	Sedan	3910	23.44	16.00

STATE HIGHWAY COMMISSION

Year Model	Passenger Capacity	Lincoln.	Grass Weight	Horse Power	Fre
	3	Roadster		36.45	21.00
	-1	Coupe		36.45	21.00
	7	Touring	5350	36.45	22.00
	7 5 5 7 7	Phaeton	5000	36.45	22.00
	5	Sedan		36.45	22.00
	5	Brougham		36,45	22.00
	7	Limousine	5675	36.45	23.00
	7	Town Car	5625	36.45	23.00
		Locomobile.			
	4	Sportive	5575	48.6	26.00
	1 7 7 7	Touring	6380	48.6	28.00
	7	Laudaulet		48.6	29.00
	7	Limousine	6735	48.6	29.00
		Lorraine.			
	5	Touring		19.6	13.00
	22.5	Lozier 6 Cylinde	r,	0202030000	0.27270
	5 7	Touring	4550	36.00	20.00
	7	Touring		36.00	21.00
		Lozier 4 Cylinder			
	7	Touring	4850	29.00	19.00
		McFarlane.			
	2	Roadster		48.6	24.00
	-1	Sport	5300	48.6	25.00
	4	Coupe	5500	48.6	26.00
	2 4 7 7 7	Touring		48.6	27.00
	7	Limousine		48.6	28.00
	7	Sedan	6250	48.6	28.00
		Maibohm.	100 00 00 00 00 00 00 00 00 00 00 00 00		
	3	Roadster		23.44	13.00
	4	Sport		23.44	13.00
	4	Coupe		23.44	14.00
	5	Phaeton		23.44	14.00
	5	Sedan	3575	23.44	15.00
		Marmon.			
	2	Roadster		33.75	18.00
	$\frac{2}{4}$	Touring		33.75	19.00
	4	Соцре	4510	33.75	20.00
	7	Touring		33.75	21.00
	4 7 7 7	Sedan	5170	33.75	21.00
	~7	Limousine	5150	33.75	21.00

FIFTH BIENNIAL REPORT

Table XXVIII (Continued) License Fees Required For Automobiles.

Year Model	Passenger Cappeity	Maxwell. Veight	Horse Power	Fee
	2	Roadster	21.03	11.00
	25	Touring	21.03	12.00
	3	Coupe2675	21.03	12.00
	.5	Sedan 3270	21.03	13.00
		Mercer.		
	- 2	Raceabout	22.5	15.00
	1	Runabout	22.5	16.00
	1	Sport 1350	22.5	17.00
	1	Coupe	22.5	17.00
	6	Touring	22.5	18.00
	6	Sedan	22.5	19.00
		Metz.		
	2	Roadster	24.00	14.00
	3	Coupe	24.00	15.00
	2355	Touring	24.00	15.00
	5	Sedan	24.00	16.00
		Michigan.		
R and S	2	Roadster	28.9	16.00
1011010110	5	Touring	28.9	17.00
	7	Touring 4150	28.9	18.00
1. and ()	21572157	Roadster	26.4	14.00
1917 - DAGE (STERRO)	5	Touring	26.4	16.00
	7	Touring	26.4	16.00
		Mitchell.		
	3	Roadster	25.35	15.00
	1	Special	25.35	15.00
	5	Touring	25.35	16.00
	57	Touring	29.4	18.00
		Monroe.		
	25	Roadster	16.9	11.00
	5	Touring	16.9	12.00
		Moon 6 Cylinder.		
6-48	5	Sedan	25.35	16.00
6-48	2	Roadster	25.35	14.00
6-48	5	Touring	25.35	16.00
6-68	3	Roadster	29.4	16.00
6-68	2 5 3 7 7	Touring	29.4	18.00
6-68	7	Sedan	29.4	19.00
		Moon 4 Cylinder.		
	$\frac{2}{5}$	Roadster	32.4	17.00
	5	Touring3550	19.6	14.00

Year Model	Passenger Capacity	Nash 6 Cylinder. Gross	Horse	Fee
		Roadster	25.35	14.00
	<u>2</u> 1	Coupe	25.35	16.00
	5	Touring	25.35	16.00
	5 7 7	Touring	25.35	17.00
	7	Sedan 4350	25.35	17.00
		Nash 4 Cylinder.		
	2	Roadster1695	18.25	10.00
	5	Touring2145	18.25	10.00
	2535	Coupe 2135	18.25	11.00
	5	Sedan	18.25	12.00
		National.		
	3	Roadster4072	29.4	18.00
	.1	Phaeton	29.1	18.00
	$\frac{1}{7}$	Coupe	29.4	19.00
	7	Touring	29.4	19.00
	7	Sedan	29.4	20.00
		Oakland 8 Cylinder.		
	7	Touring1115	39.22	21.00
		Oakland 6 Cylinder.		
	2	Roadster	19.00	11.00
	$\frac{2}{35}$	Coupe	19.00	13.00
	5	Touring	19.00	13.00
	5	Sedan 3483	19.00	13.00
-48	5	Touring 4300	29.45	18.00
49	7	Touring	29.45	18.00
		Oakland 4 Cylinder.	111111	12 BY 1271
38-X	2153355	Roadster	19.6	11.00
38	Ģ.	Touring	19.6	13.00
42	3	Roadster	27.20	16.00
43	5	Touring	28.00	18.00
43		Sedan	28.00	18.00
		smobile 4 and 6 Cylinder.	80.5 a (<u>111</u> 2)	
	2 3 5	Roadster	21.75	13.00
	3	Coupe	21.75	14.00
	5	Sedan	21.75	15.00
	5	Touring	21.75	15.00
		Idsmobile 8 Cylinder.		12/22 - 21/22
	4	Chummy Roadster3850	26.45	16.00
	5	Pacemaker3850	26.45	16.00
	4 5 7 7	Touring	26.45	17.00
	7	Sedan	26.45	18.00

Table XXVIII (Continued) License Fees Required For Automobiles. Gross Weight Harse Passenger Capacity Power lee **Overland 6 Cylinder.** 25.0015.00 3 15.00 5 25.0015 (0) 3 25.0016.00 5 Sedan 3999 25.00 Overland Models 80, 81, 83, 85, 4 Cylinder. 3 27.00 15.003 27.00 15.00 5 27.00 16.00 5 27.0016.00 Overland 90, 4 Cylinder. 25 18.23 11.00 18.23 12.00 Touring 3110 Club Roadster 2862 18.23 12.00 1 5 18.23 13.00 Baby Overland 4 Cylinder. 2 18.23 10.00 25 18.23 10.00 18.23 11.00 5 18.23 12.00 Willys-Knight 8 Cylinder. 7 36.00 21.00 20.00 4 36.00 7 36.00 21.007 36.00 21.00 Willys-Knight 6 Cylinder. 17.00 1 29.001 29.00 18.00 7 29.0019.007 29.0019.007 29.00 Limousine 4925 20.00Willys-Knight 4 Cylinder Model 20. 3 21.0314.00 3 21.03 14.005 Touring _____3790 21.0315.005 21.0315.00 Packard Twin 6. 1 43.2 23.005 Phaeton 5050 13.2 23.00 5 43.2 24.007 13.2 25.00

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Model

STATE HIGHWAY COMMISSION

Year Modei

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Table XXVIII (Continued) License Fees Required For Automobiles.

Passenger Capacity	Weight	Horse Power	Fee
Pa	ckard Twin 6-Cont'd		
7	Sedan	13.2	25.00
7	Touring	13.2	25.00
	Packard Single 6.		
2	Runabout	27.34	15.00
$\frac{2}{4}$	Coupe	27.34	16.00
5	Touring	27.34	16.00
55	Sedan 3920	27.31	17.00
Pai	ige 6 Cylinder, Model 66.		
-4	Sport	33.75	19.00
	Coupe	33.75	20.00
7	Touring	33.75	20.00
5 7 7	Sedan	33.75	21.00
Pai	ige 6 Cylinder, Model 42.		
2	Roadster	25.35	14.00
4	Sport	25.35	15.00
3	Coupe	25.35	15.00
5	Touring	25.35	15.00
5	Sedan	25.35	16.00
	Pan-American.		
2	Roadster	25.35	15.00
2557	Touring	25.35	16.00
5	Sedan	25.35	16.00
7	Touring 4200	25.35	17.00)
	Pathfinder.		
2	Roadster	29.00	17.00
2 5 7	Touring	29.00	20.00
7	Touring	29.00	20.00
	Patterson.	(1994) - 1994 (1994) - 1995	
5	Touring	25.35	16.00
5 5 7 5	Coupe	25.35	16.00
7	Touring	25.35	16.00
5	Sedan	25.35	17.00
	Peerless.		
4	Roadster	33.8	19.00
4	Coupe	33.8	20.00
4 7 7 7	Touring	33.8	20.00
7	Sedan	33.8	21.00
7	Linousine	33.8	21.00
	Piedmont 6 Cylinder.		
5	Touring	29.00	16.00

FIFTH BIENNIAL REPORT

Year Model	Passenger Capacity	Gross Weight	Horse Power	Fre
6 BC30		Piedmont 4 Cylinder.		
4-30	5	Touring	19.6	13.00
10		Pierce-Arrow.		
	2	Roadster	38.4	24.00
	2 -1	Touring	38.4	25.00
	7	Touring6550	38.4	26.00
	74 77 77	Coupe	38.4	27.00
	7	Sedan	38.4	29.00
	7	Laudaulet	38.4	29.00
	7	Limousine	38.4	29.00
		Pilot.		
	2	Roadster	25.35	15.00
	$\frac{2}{5}$	Touring	25.35	16.00
	-1	Coupe	25.35	16.00
	5	Sedan	25.35	16.00
	7	Touring	25.35	17.00
		Premier.		
	•)	Open Car	27.34	17.00
	$\frac{2}{4}$	Open Car	27.34	19.00
	1	Coupe	27.34	19.00
	4 7	Open Car	27.34	20.00
	-1	Closed	27.34	20.00
	7	Closed	27.34	21.00
		Pullman.		
1915-16-17	4)	Roadster	20.00	12.00
1910-10-17	5	Touring	20.00	13.00
6-48	.,	Roadster	48.00	22.00
0-40	215 215 215	Touring	48.00	23.00
	0	Ranger 4 Cylinder.		
	-	Roadster	18.2	12.00
	$\frac{2}{5}$		$18.2 \\ 18.2$	14.00
	Э	0	10.4	14.00
		Ranger 6 Cylinder.	07.0	1100
	$\frac{2}{5}$	Roadster	25.3	14.00
	Э	Touring	25.3	16.00
		Regal.		. 6 . 8249
	5	Touring	22.5	14.00
		Roamer.		
	2	Roadster	29.4	16.00
	$\frac{2}{4}$	Sport3800	29.4	17.00

STATE HIGHWAY COMMISSION

Table XXVIII (Continued)

License Fees Required For Automobiles.

Model	Passenger Capacity	Gross Weight	Horse Power	Fee
		Roamer Cont'd.		
	7	Touring	29.1	18.00
	3	Coupe and		
		Cabriolet	29.4	18.00
	7	Sedan, Limousine		
		and Town Car	29,4	20.00
		Reo.		
	3	Roadster	24.3	14.00
	-5	Touring	24.3	15.00
	4	Coupe	24.3	15.00
	5	Sedan	24.3	16.00
	F	loot and Vandervoort.		
	5	Touring	29.4	17.00
	4	Sport	29.1	17.00
		Coupe	29.4	18.00
	$\frac{1}{7}$	Touring	29.4	19.00
	7	Sedan	29.4	20.00
		Sainte Claire.		0-11,000
	(Se	e Wills Sainte Claire.)		
		Saxon 4 Cylinder.		
	5	Touring	18.23	12.00
	1	Coupe	18.23	13.00
	5	Sedan	18.23	13.00
		Saxon 6 Cylinder.		
	•)	Roadster	25.35	14.00
	3	Coupe	25.35	14.00
	5	Touring	25.35	15.00
	2 3 5 5	Sedan 3825	25.35	16.00
		Sayers and Scoville.		
	•)	Roadster	25.35	15.00
	25	Touring	25.35	16.00
	2 5 5	Sedan 4135	25.35 25.35	17.00
				11.00
	3	Scripps-Booth. Roadster	18.98	12.00
	3 4	County 2000	18.98	$12.00 \\ 13.00$
	4	Coupe	18.98	13.00
	55	Touring		
	Э	Sedan	18.98	14.00

		tes negunea ror Automo	unco.	
Year Model	Passenger Capacity	Gross Weight	Horse	Fee
		Seneca.		1.1.4
1918	4	Touring	19.6	12.00
1918	5	Touring2930	19.6	12.00
1919-20-21	5	Touring 2930	19.6	12.00
0-2	9	Roadster	19.6	11.00
L-2	0210210	Touring	19.6	12.00
51	3	Roadster	19.6	12.00
50	5	Touring	19.6	13.00
		0	10.0	10.00
		Standard Steel Car Co.		
	-1	Roadster	33.8	19.00
	4	Coupe	33.8	20.00
	4	Sedanette	33.8	20.00
	477	Touring	33.8	21.00
	7	Sedan	33.8	22.00
		Stephens.		
	*)	Roadster	25.35	15.00
	24	Touring	25.35 25.35	16.00
	6	Touring	25.35 25.35	17.00
	5	Sedan	25.35 25.35	17.00
	.,		20.00	17.00
		Stearns-Knight.	10020 20	011-011 - 1019-04
	3	Roadster3890	22.5	15.00
	_1	Touring 4095	22.5	16.00
	5	Touring	22.5	16.00
	4 5 4 7 7 7	Coupe	22.5	17.00
	7	Touring	22.5	17.00
	7	Sedan	22.5	18.00
	7	Limousine	22.5	18.00
		Stevens-Duryea.		
	1	Sport	47.25	25.00
		Sedan	47.25	25.00
	7	Limousine	47.25	26.00
	$\frac{4}{7}$	Touring	47.25	26.00
	*.C	201204 0105		
		Stoddard-Dayton.	00.1	10.00
	2	Roadster	29.4	16.00
	5	Touring	29.4	17.00
	4	Coupe	29.4	17.00
	25 4 7 7	Touring	29.4	18.00
	7	Sedan	29.4	19.00

THE LIERARY

LITTLE AUCK, ARK.

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STATE HIGHWAY COMMISSION

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Year Model	Passenger Capacity	Gross Weight	Horse Power	Fee
	(0.000 - 0.400 -0.000	Studebaker Big 6.		
	2	Roadster	36.04	17.00
	3	Landau Roadster	36.04	17.00
	3	Coupe	36.04	18.00
	5	Sedan	36.04	19.00
	5	Limousine4000	36.04	19.00
	2 3 3 5 5 7	Touring	36.04	20.00
8	5	Studebaker Special 6.		
	2	Roadster	29.4	15.00
	24	Roadster	29.4	16.00
	4 5 5	Coupe	29.4	17.00
	5	Touring	29.4	17.00
	5	Sedan	29.4	18.00
		Studebaker Light 6.		
	3	Roadster	23.44	13.00
	355	Touring	23.44	14.00
	5	Sedan	23.44	15.00
	S	studebaker 4 Cylinder.		
	.2	Roadster	24.22	13.00
	23.5	Coupe	24.22	1.1.00
	5	Touring	24.22	15.00
		Stutz Model "K."		
	2	Roadster	30.63	18.00
	2 4	Coupe	30.63	19.00
	4	Passenger	30.63	19.00
	6	Passenger	30.63	20.00
		Stutz Model "H."		
	2 4	Roadster	30.63	17.00
	4	Passenger	30.63	18.00
	6	Passenger	30.63	19.00
		Templar.		
	2	Roadster	18.23	12.00
	4	Sportette3500	18.23	13.00
	2 4 5 5	Touring	18.23	14.00
	5	Sedan	18.23	14.00
		Texan.		
	25	Roadster	19.6	12.00
	5	Touring	19.6	13.00

FIFTH BIENNIAL REPORT

Table XXVIII (Continued) License Fees Required For Automobiles.

-		ees nequirea For Automo	ones.	
Mulei	Passenger Capacity	Weight	Power	1'00
		Tulsa.		1
	9	Roadster	19.6	12.00
	$\frac{2}{4}$	Oil Field Special3000	19.6	12.00
	ŝ	Touring		13,00
		Velie Model "48."	1.0.0	[3,14]
	9	Roadster 3280	25.35	15.00
	2 1	Sportster	25.35	16.00
	1	Coupe	25.35	16.00
	1 5	Touring	25.35	16.00
	6	Sedan 1201	25.35	17.00
	7	Touring 4350	25.35	17.00
		Velie Model "34."		
	$\frac{2}{5}$	Roadster	23.11	13.00
		Touring	23.44	14.00
	6	Sedan3800	23.14	15.00
	1	Vescott Model "C" 48.		
	7	Touring4350	29.4	18.00
	7777	Sedan	29.4	20.00
	7	Limousine	29.1	20,00
	۱.	Vescott Model "C" 34.		
	25	Roadster3100	25,35	1.1.(H)
	5	Touring	25.35	15.00
	$\frac{1}{5}$	Coupe	25.35	16.00
	5	Sedan	25.35	16.00
		White Gas.		
1915	2 5 2 4 5 7 7	Roadster	22.5	1.1.00
	5	Touring 4025	22.5	16.00
1914	2	Roadster	28.9	18.00
	4	Roadster or Coupe_5000	28.9	20.00
	5	Sedan	28.9	20.00
	7	Touring	28.9	22.00
	7	Limousine	28.9	22.00
1913	2	Roadster	13.5	23.00
		Wills Sainte Claire.		
	-4	Roadster	33.00	17.00
	2	Coupe	33.00	17.00
	-1	Coupe	33.00	18.00
	5	Touring	33.00	18.00
	5	Sedan4350	33,00	19.00
	$ \begin{array}{c} 2 \\ 4 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \end{array} $	Town Car	33.00	19.00
	Ð	Limousine1360	33.00	19,00

STATE HIGHWAY COMMISSION

Table XXVIII (Continued) License Fees Required For Automobiles

	License F	ees Required For Automo	biles.	
Year Model	Passenger Capacity	Gross Weight	Horse Power	Fee
		(See Overland.)		
		Winton.		
	2	Roadster 4215	33.75	19.00
		Touring	33.75	20.00
	-1	Sedan4920	33.75	21.00
	4 4 7 7 7	Victoria	33.75	21.00
	7	Touring	33.75	21.00
	7	Sedan	33.75	22.00
	7	Limousine	33,75	22.00
	Yelle	ow Cab—Passenger Cars.		
		Roadster	31.5	19.00
	2 1 7 7	Sport	31.5	21.00
	7	Touring	31.5	22.00
	7	Sedan	31.5	23.00
	1	Seuan	01.0	20.00
		Yellow Cab Taxi.		
	5	Yellow Cab 1400	22.5	17.00
	Cars	Propelled by Electricity.		
		Detroit.		
	-1	Brougham4550	3	12.00
	5	Brougham 1750	3	13.00
		Milburn.		
		All Styles		10.00
		Rauch and Lang.		
	26 1	Brougham	3.5	12.00
	5	Brougham	3.5	13,00
	Ca	rs Propelled by Steam.		
		Stanley Steamer.		
	3	Roadster	20.00	14.00
		Touring	20.00	16.00
	7	Touring	20.00	
	4 7 5 7	Sedan	20.00	18.00
	/	Sedan	20.00	19.00

FIFTH BIENNIAL REPORT

Fees For Motor Trucks Equipped With Pneumatic Tires.

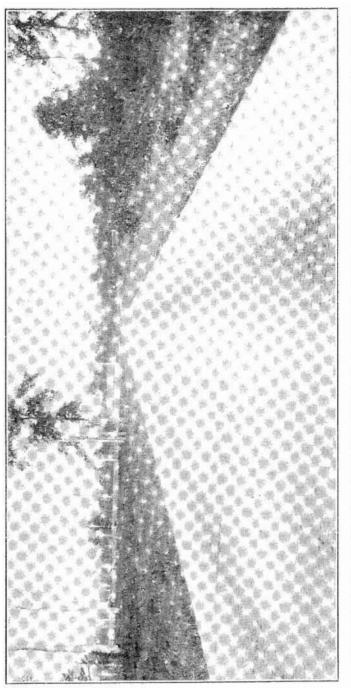
For 1 ton or less capacity	\$15.00	per	annum.
For 1 ¹ ₂ ton capacity			
For 2 ton capacity	25.00	per	annum.
For 2 ⁴ / ₂ ton capacity	. 35.00	per	annum.
For 3 ton capacity	50.00	per	annum.
For 3½ ton capacity	65.00	per	annum.
For 1 ton capacity	80.00	per	annum.
For 4½ ton capacity	.100.00	per	annum.
For 5 ton capacity	.125.00	per	annum.
For 6 ton capacity	150.00	per	annum.

On trucks of more than 3 tons capacity equipped with 2 or more solid tires the fee shall be one and one-half times the above schedule.

It shall be unlawful to operate any truck of more than six (6) tons capacity on any road, bridge or highway in this State.

Fee For Trailers and Semi-Trailers.

	For 1 ton or less capacity	\$10.00	per	annum.
	For 2 tons or less capacity	15.00	per	annum.
	For 3 tons or less capacity	25.00	per	annum.
	For 4 lons or less capacity	-10.00	per	annum.
	For 5 tons or less capacity	50.00	per	annum.
2	The minimum FEE for all automob and semi-trailers shall be \$10.00.	iles, tr	ucks	, trailers
	The fee for Materiales is			\$5.00



Federal Aid Project No. 95, Road Improvement District No. 9, Crittenden County, 18-foot concrete pavement connecting the Mem-phis Bridge with Marion, the county seat of Crittenden County, Arkansas.

and Date of Act Passenger Cars M.ABAMA Faston Barth P. State Tax Commission 25-29 Effective October 1, 1919 8 ar over Steeric Steerin ARIZONA H. P.	er Cars 811.25 18.75 20.26 30.00	Motor Trucks	Withh and Diministra	Special 1	Special Provisions and	s and
A. D. Conunission 5-29 0.ctoher 1, 1919 20-25 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20-20 20 20 20-20 20 20 20 20 20 20 20 20 20 20 20 20 2	\$11.25 18.75 26.25 30.00		- wergan and Dimension	Spe	Speed Limits Miles per Hour	s 111.)
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y of State 25 and less - 3.40 • June 9, 1921 0.07 40	5.00 19.40 15.00	5.00 (Cap. Tous 5.00 (15 or less 10.00 (15-3 15.00 Over 3 25.00	90	City Country	a l	10-15
ARKANSAS Per H. P. 025 Jan. Tous Commissioner of State Per H. P. 025 Jan. Tor less Lands, Highways and Innervenats Passed March 20, 1921	0.25 09 w1 0.25	Preut \$15.00 20.00 25.00 55.00 65.00 65.00 125.00 125.00 125.00	Solid Maximum capacity 6 tous 21,00 21,00 35,00 35,00 35,00 35,00 120,00 136,00 136,00 137,00 137,00 137,00 137,00 137,00 137,00 137,00 120,00 137,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 120,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,00 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,000 100,00000000	India or energy of	ą s	

FIFTH BIENNIAL REPORT

State. Vchicle. Authority	1 ICI	LICENSE FILES	Weight and Dimension	Special Provisions and
and Date of Act	Motor Trucks	Passenger Cars	Linits	Append Limits (Miles per Hour)
CALIFORNIA Motor Vehicle Dept. Amended 1921	Per H. P	$ \begin{array}{c} 0.0180.40 \ \mbox{per} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	Maximum gross weight 30 000 lbs (1 wheels) 40,000 haximum gross wei 40,000 lbs. for 6 wheels and 3 axies not less than 96 incles apart ess than 96 incles apart state base Per inches width fire base 700 lbs. (500 lbs. for ment fires) Width. 102 inches	City
COLORADO Secretary of State Amended 1921	21 or less 11. P. 21-40 anote 11. 1	2.50 [cap. Tons 10.00 5.001-3 75.50 10.002-3 75.50 1-5 75.00 1-5 75.00000000000000000000000000000000000	Maximum gross wt. 3 tons fourtry	Country

State. Vehicle. Authority	LICENSE FEES	E FEES	Weight and Dimension	Special Provisions and Sneed Limits
and Date of Act	Passenger Cars	Motor Trucks	Limits	Miles per Hour)
ONNECTICUT Commissioner of Motor Vehicles Efficetive January 1, 1922	NNECTICUT Per cu. inches total piston Cap: Totis Commissioner of Motor displacement 0.08 1 or less Commissioner of Motor (Min. Fee, \$15.00) 12 Capitality 2 2 Euretive January 1, 1922 Electric per H. P. 55 Steam, per H. P. 55 2 Steam, per H. P. 75 2 Steam, per H. P. 6 5 Min. fee, Min. fee, Min. fee, for lange 6	Preu, 222,50 30,00 37,50 50,00 10,00 127,50 1127,50 1112,50 1112,50 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2517,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 2516,05 25	Per inches width of the 800 lbs. Not less load on ope cent of Max. gross load 25,000 lbs.	Clty 20 Country 20 Solid fire truck 15 (b) (c)
DELAWARE Secretary of State 1919	Per 500 lbs. gross wt. 2.00 (Passengers to be included at 125 lbs. each) included	Per 500 lhs. gross wt. 2.00 Same as for passenger cars Maximum gross wt. 26,000; 219 v. 128 lbs. each) be included at 125 lbs. each) included three country at 125 lbs. each) included three country from trailers with metal from the from the control of three controls in the control of the contro	Maximum gross wt. 26,030; 249 per inches width of threfrountry 700 Bis. Fress with netal froms w fress maximum gross wt. 4,000 8,000 Bis. Midth 96 Inches. Midth 72 feet 2 Inches Width 72 feet 2 Inches 108 Inches) 108 Inches 108 Inches 108 Inches 108 Inches 108 Inches 108 Inches 108 Inches 108 Inches 108 Inches 100 12,000 12,000	2.18

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148 FIFTH BIENNIAL REPORT

Chuta Valsiela Authority	LICENSE FEES	E FEBS	unisusuiti bue tusio.W	Special Provisions and	
and Date of Act	Passenger Cars	Motor Trucks	Limits	Miles per Hour)	
FLORIDA State Comptroller Effective January 1, 1922	ad cents per 100 lbs. of vehicle	With pneumatic tires \$0.758 tons gross. Trailers 1 tons Light cars per 100 lins, gross weight gross, of unloded vehicle; with Width 7 feet. solid tires \$1.12 per 100 Height 12 feet.	t tons gress. Trailers 1 tons gruss. Width 7 feet. Height 12 feet.	Heitky trucks 20 Heity trucks 20 12 H	FIFTH
id/0.RGFA Secretary of State Amended 1919	23 H. P. or less \$11,25 (ap. Toms Over 23 H. P., per 9,60 [1-1], H. P. 23 H. P., per 9,60 [1-1], 1,42 [2-2], 2,42 [2-2], 2,43 [2-2], 2	(app. Tons 1 apr. Tons 1 apr. Fisse		Maximum 16 16	BIENNIAL REPOR
10AHO Secretary of State Amended 1921	Wt. of vehicle lbs. 815.00 2.000 or less 20.00 2.001-3.000 2.001 20.00 3.001-4.000 30.00 0.vor 1.000 10.00	Same as passender cars	Per inches width tire, 500 Maximum Ibs. (Par tires less than 2 inches wide mux, lond is 350 lbs. per Inches width No vehicle lond to exceed 30 per cent linguer than numulacturers rating.	Maximum 20	

STATE HIGHWAY COMMISSION

2522 558 10-12 10-20 18. Speelal Provisions and AND IN THE R. LEWIS CO., LANSING MICH. (Miles per Hour) Solid Pueu. in effice of 20,000 above in effice of 20,000 above limits increased 50 per Gross wt. lis. Three cents Solid Passenger tlars "neu Solld Speed Limits (11) e 60.00 cent) 25.00 Width 8 ret 25.00 Width 8 ret Lendre combinal-5.000 12,000 Lindr, f5 ret, Max. gross lond 2.000 15s, 5.001-12,000 Max. gross lond 2.000 15s, 5.001-15,000 12001-15,000 State Motor Vehicle Registration Fees and Regulations Effective January 1, 1922. (hver 15000 Maximum capacity 74g tons(City Country st2.00 Per arXe, 16,000 fbc, 800 City
 st2.00 Per arXe, 16,000 fbs, tWith-Country
 55.00 in cities of 20,000 above
 55.00 in cities of 20,000 above Weight and Dimension Limits Table XXIX (Continued) 25.00 25.00 25.00 Motor Trucks 88.60 5,000 or less 12.00 5,001-12,000 20,00 12,001-15,000 25,00 02 or 15,000 12,60 Tractors (312). Tous \$5,00 [-2 8,00 2-315 8,00 2-315 8,00 2-315 5,00 2-315 5,00 2-315 Gross wt. Ib-LICENSE FEES and less Pausenger Cars H. P. Н. Р. Less than 25 25-39 40-19 30 or more Electrics Electrics .. 26-35 and 16 26-35 Over 50 Effective January 1, 1920 State, Vehicle, Authority and Date of Act Amended March, 1921 Secretary of State Secreary of State STONTTH **NULLINA**

		FIFTH BIENNIAL REPO	
Special Provisions and	(Miles per Hour)	Gross wt tous Less than 3 preu 20 Less than 3 preu 20 34 pour 20 6 pruru 16 6 pruru 16 10 retail 10 10 retail 10	(b) City Country Country
Weight and Dimension	Limits	Solid Per hiches width lire 300 Gross wt tous 365.00 pounds. Pross weight 11 Less than 3 preu 20.00 tons. Maximum ford, and 3-4 preu 36.00 wherd, 1 tons. 56.00 wherd, 1 tons. 56.00 wherd, 1 tons. 56.00 Mith, 8 fred. 56.00 mith, 8 fred. 57.00 mith, 8 fre	•
FEES	Motor Trucks	Phen. St500 S 22,50 S 22,50 S 22,50 S 22,50 S 22,50 S 32,00 T 15,00 T 15,00 T 15,00 T 15,00 T 10,00 T	⁴ minimum fee for tear Cap. Trans weighting 2000 lbs. plus 1 ton or less \$15,00 over one ton. 222 on over one ton. \$100 lbs. 1 to 1% & \$750 additional for each 45 ton to 3 ton. 3 to 4 0 ver 5 ton \$22 addi- 100.00 0 ver 5 ton \$22 addi- 100.00 0 ver 5 ton \$25 addi- ton. 100.00 0 ver 5 ton \$25 addi- ton.
LICENSE FEES	Passenger Cars	Per 100 Dis. wt	88 minimum fee for car (ap. Tonis weighing 2000 lbs. plus1 ton or 1 50 ets. for each 100 bs. 1 to 159 50 ets. for each 100 bs. 1 to 159 60 etcrics method for each 100 for each 100 for 100 for 100 for 100 for 100 for
State Vahiele Authority	and Date of Act	10WA Secretary of State Amended 1921	KANSAS Secretary of State through County Clerk 1921

stata Vahiala Authority	LICENSE FEES	2 FEES	Weight and Dimension	Special Provisions and
and Date of Act	Passenger Cars	Motor Trucks	Limits	(Miles per Hour)
KENTUCKY State Tax Commission Enacted March, 1920	Per H. P. 30.60 Cap. lhs. 1000 or 1,000 or 2,001-3,00 2,001-3,00 2,001-3,00 3,001-4,00 3,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,001-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00 5,000-4,00000000000000000000000000000000	tess 00 00 00 00 00 00 00 00 00 00 00 00 0	Per inches width fires 230.00 Rubber, 800 lbs. 30.000 Steel, 500 lbs. 50.00 60.00 70.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.00 180.0	Passenger Cars City
LOUISIANA Secretary of State 1921	Per II. P. 60.68 Minimum fee 15.09 (cap. 1bs. 750-400 101-5.00 5.001-5.00 6.001-5.00 8.001-10.00 8.001-10.00 8.001-10.00	1,000 (bs. 1,000 (bs. 1,000 (bs. 12,50 12,50 12,50 12,50 12,50 12,50 12,50 10 25,00 10 25,00	Practically 5 ton capa 84 inches width. Per Inch width thre, pounds,	city Passenger Cars 15 600 Country Trucks 35 1-2 Ions Trucks 15 Over 2 (b)

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FIFTH BIENNIAL REPORT

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Special Provisions and Speed Limits (Miles pur Hour)	finssenger fars caunty frucks and Traiters frucks weight Trees forse (theory futber forse f (theory)	Tarsender (ars real (ar) ²⁰⁰ ⁵ output ²⁰¹ ¹⁰¹ ¹⁰	5 100
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	ASSACHUNETTS Assachune of Motor Ve-Re-88-38 hiele-, Dept. P u b 11 c [0-10] Werks Acts of 1909 amended to August, 1929		
ority	ASSACHUISETTS (edistrate of Mator Ve- licles, Dept. P u b 11 c Works Are of 1909 amended to August, 1929		
state, Vehicle, Authority and Date of Act	rs P u	ta te	
ticle, afe o	W VSSACHUSETTS Registrar of M hickes, Pept. 1 Works August, 1929	n:HHAAN Secretary of State Revised, 1821	
vels ind D	vssachtus weistrar bicles, D Works Verts of 190 August,	MCHIGAN Secretary of Y Revised, 1921	
tate'	ALL REAL	Rev	

	H	29 29	
Special Provisions and Snowl Limits	(Miles per Hour)	City 15 Country 15 (a)	(.117
Weight and Dimension	Limits	Per laches width the 800 Maximum gross weight 38,000 the inches. Width, 96 inches. Maximum weight, 1 axie Maximum weight, 1 axie Height, 12 feet, 6 inches. Length, 30 feet, 6 inches.	
FEES	Motor Trucks	Fach vehicle 2 per cent of Each vehicle 2 per cent of Per inches with the 800 Gity its value. Mathum fee for less than Mathum fee for less than Mathum gross weight 2.060 tha. weight \$12.00 2 no concity \$15.00 2 \$3000 Minhum fee for more Minhum fee for 2 to 4 Width, 96 inches. Minhum 2.000 ths, wt \$15.00 Minhum fee for 2 to 4 Width, 96 inches. than 2.000 ths, wt \$15.00 Minhum fee over 1 tons. Height, 30 feet, 6 inches. tons, \$50.00. Fridier combination \$5 feet.	Cap. toms Under 1 2 810.00 1 and 1 2 80.00 2 5 50.00 2 5 50.00 1 1 15 50.00 1 2 50.000 1 2 50.000 1 2 50.000 1 2 50.0000000000000000000000000000000000
LICENSE FEES	Passenger Cars	Each vehicle 2 per cent of Each vehicle 2 per cent of Per inclus width the 800 lis value. The value 2 per cent of Per inclus width the 800 Minimum fee for less than Minimum fee for 1 ess than Maximum gross weight 2.000 ths. weight \$12,00 Minimum fee for more Minimum fee for 2 to 4.010th, 96 inches, 1 axle than 2,000 ths. wt, \$15,00 Minimum fee for 2 to 4.010th, 96 inches, 2 ave than 2,000 ths. wt, \$50,00.	Per H. P. 30.50 Electric T.5.40 Mintmum fee \$5.00)
State. Vehicle. Author Ity	and Date of Act	MINNESOTA Amended 1921	MISSISSIPPI State Auditor of Public Accounts Effective April 2, 1920

State Vehicle Anthority	LICENSE FEES	E FEES	Weight and Dimension	Special 1	Special Provisions and	pu
and Date of Act	Passenger Cars	Motor Trucks	Limits	ade (Miles	Miles per Houri	
MISSOURI Secretary of State. July 30, 1921.	IL P. 45.00 Lt. 12 Less than 12 45.00 Lt. 7.005-01 12-249 7.005-01 36-18 11.005-01 36-18 11.001 16-72 22.001 00 00ver 72 22.001 00	m Capacity ss than 2 st fam 2 set 8 tens \$10.00 a fonal for rach ton function over 8.	Width, 108 inches Height, 15 feet. Length, 30 feet. Combination length N5 fl. Gross weight, 14 for plus froms weight, 14 for plus trailer 21 for, 800 fbs. per bach width ffres.	щи махітни п	1	3
MONTANA MONTANA Secretary of State. 23 or less Approved March 5, 1921. 37 Electric	H. P.	22.50 1 or less 210.00 15.00 1 or less 210.00 15.00 22.50 23 22.50 23 15.00 0ver 3 60.00 15.00 0ver 3		City Country	(P) (P)	न्द्र स
NEBRIASKA Department of Public Works. Act of April 11, 1919.		Weight unladen. I for \$10.00 Gross weight 1 ton \$10.00 Per tucb width fire, \$00 Maximum. For each additional For each additional 100 pounds. 7,000 Ibs. 100 Ib. weigh of car 50 Ibs. gross weight 0.50 for our wheel. 7,000 Ibs. (Minhuum fee \$10.00). (Minhuum fee \$10.00). D. P. W. traffic regula- Width. 72 Feet. D. P. W. traffic regulations.	0.400 Per inclo width tire, 600 0.500 Durings, wheel, 7,000 Bas, D. P. W. traffic regular- tions, 732 feet. Hight, 12 feet. D. P. W. traffic regulations.	Maximum	ě	8
NEVADA Secretary of State. 1921.	Per 100 lb. factory wt. plus wt of passenger.	Per 100 lbs, gross wt \$0.35	Per 100 lbs. gross wt. su.35 Gross weight 10 ton. 500 lbs. per inch width of the	Maximum		R

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Tubida Anthony	LICENSE FEES	: FRES	Wolcht and Dimension	Special Provisions and
	Passenger Cars	Motor Trucks	Limits	Append LUMIS
	Per 100 lhs. gross wt \$0.60 fer 100 lhs. gross wt. (Passenger figured at 130 pineu, tires * lhs. each.) (Minimum fee \$15.00) [Min. \$20.00] (Min. \$30.00] from or steel fires	fer 100 lbs. gross wt. 80.60 pneu. tices. 80.60 Min. 820.00 Solid trees. 0.85 (Min. 830.00 (Min. 830.00 Iron or steel tires. 1.00	wt., 80.60 Pounds. width fire 750 pounds. wt. 20,000 lbs. City n.s. 81.0.85 Max. wt. one axic. 15,000 Country 0.85 Max. wt. one axic. 15,000 Country 1.00 Width, 96 Inches. Constituents of firet.	(a) City 13 Country 25
	EW JERSEY Department of Motor Ve- hicles. 30 or more 0.502 Amended 1921.	rvass Weight Ibs. 000 or iess 001 or iess 001-2,000 001-3,000 001-3,000 001-3,000 103,000 104,5,000 105 100 for 100 for 100 for 0,01-30,000 100 for 1,000 for	Per linch width life. 800 pounds. weight 30,000 pounds. or a serie of a serie of the sompiled for wheel loads for wirely sizes of the and wheel. Vide, 26 frees. Length, 28 freet. Tength, 12% feet.	Fassenger fars 12 Country Trucks 30 Gountry Trucks 30 Gross weight tons 16 0-8 111 8-15 (b)
	ber H. P	Per H. P. 30.40 S12.00 plus 40 cfs, per 100 Tre must be 3 thebes for Cify Electric 12.00 hls. of rated sepacity 2.000 hbs. cover Cifk over Solid tree Width, 96 toches. 25 per cent greater.	Tre must be 3 inches for 2,000 lbs. Width, 96 inches.	CITY Country (b) 35 (c) (c)

1		ATE HIGHWAY COMMIS	
Special Provisions and Sweed Limits	(Miles per Hour)	a	(b) (c) ity
Weight and Dimension	Limits	 Alo.00 Per inch width thre, 700 Maximum, 1, 100 Maximum and a set a	Apacity Tons 9,000 lbs. maximum gross affect is than 1 15,00 triplies to State Highways less than 2 25,00 orly. Iss than 4 20,000 loss than 4 20,000 orly.
FEES	Motor Trucks	r less ut toux. r less toux. 11 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14	302 - m
LIGENSE FEES	Passenger Cars	Per H. P	H. P. 41250 U U U U U U U U U U U U U U U U U U U
State Vohicle Authority	and Date of Act	NEW FORK State Tax Commission. Amended 1921.	NORTH CAROLINA Secretary of State. Effective July 1, 1921.

State Motor Vehicle Registration Fees and Regulations Effective January 1, 1922.	Limits (Miles per Hour)	sr fol- sr fol- 5.00 5.00 10.00 10.00	 (iansuline family for passenger cars and 12 tons for (city - 15-20 plus 20.00 plus 20 cents per 100 lbs tructs and 12 tons for (city - 15-20 plus 20 cents per 100 lbs tructs and 12 tons for (city - 15-20 plus 20 cents per 100 lbs tructs and 12 tons for (city - 16-20 plus 20 cents per 100 lbs tructs and 12 tons for (city - 20.00 prose weight, Blucther 530 plus 30 clus 20 cents per 100 lbs gross weight, Bluber 530 plus 30 clus 20 cents per 100 lbs gross weight, 10 lbs from 20 lbs ber cent be and a context of 8 lbs do 12 tone clus 20 lbs do 12 tone than 20 lbs do 12 tone than 20 lbs do 12 tone than 20 lbs do 12 tone lbs do 12 tone clus 20 lbs do 12 tone clus 20
n Fees and Keg	Motor Trucks	In addition to pass cur fees trucks pay lowing: (apacity: Per ton up to 3 Per ton 1 and over	(asoline (casoline faster 10) Same as for passenger 10) gross weight. Electi fro of 8, plus 20 per 100 Iba. gross wi
r Vehicle Registration Fee	Passenger Cars	ORTH DAKOTA ORTH DAKOTA For first year per dollar in addition to passenger itst price 50,005 Per 100 lb, wt. 0.20 Per 100 lb, wt. 0.20 Per 100 up is in the u of tion Department, For the Per 100 lb, wt. 0.20 H. P. fer, pay \$2 in lieu of Per 100 up is 10.00 For third year, 10 per Per 100 3-1, 0.00 For third year, 25 per cent reduction from basic ber ton 1 and over 10.00 for third year, 25 per cent reduction; and thereafter 40 per cent reduction; and thereafter (Min. fee \$5)	H. P. 25 or less
State Motor	state, venture, Authority and Date of Act	NORTH DAKOTA Motor Vehicle Registra- tion Department. Amended 1920.	0HIO Secretary of State. Amended 1921.

FIFTH BIENNIAL REPORT

Vehicle. Authority	LICENSE FEES	S FEES	Weight and Dimension	Special Provisions and
and Date of Act	Passenger Cars	Molor Trucks	t.imils	(Miles per Hour)
OKLAHOMA Department of Highways Effective Jan. 1, 1920.	List price \$500 or less \$10 Over \$500 additional 75 cents for each \$100 of list price.	Cap. Pounds \$15.00 1.500 or less \$15.00 1.500-1.999 25.00 2.000-2.999 25.00 3.000-2.999 40.00 6.000-7.999 40.00 6.000-7.999 40.00 6.000-7.999 40.00 9.000-7.999 40.00 8.000-7.999 40.00 1.000-7.999 10.00 8.000-7.999 10.00 1.000-7.999 10.000 10.00 1.000-7.999 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.0000 10.000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000000 10.00000000		Ē
ONEGON Secretary of State. Amended 1921.	Weight pounds. \$15.00 Total 1.700 or less \$15.00 Total 1.700 or less \$15.00 Total 1.701-2.100 25.00 22.100 11-22 2.201-2.500 71.00 11-22 2.201-3.300 47.00 26-30 3.701-4.100 55.00 26-30 28-30 4.501-4.500 71.01 Preu 1.501-4.500 71.01 Preu 3.301-5.700 97.01 21-38 2.301-5.700 97.01 21-38 Dover 5.700 97.01 21-38 Electrics 25.00 21-38	Tires tire 1 less	Max. gross wi, per axie I7. 600 pounds, 22.000 Ibs, Per inch width of the 500 Ibs. If bold the of the 500 Ibs. If bold the set that 30 all wheels is less than 30 inches; 600 Ibs. if total inches; 600 Ibs. if total inches; 610 Ibs. if total inches; 16, 00 Ibs. in other and the of the visit for all wheels is 30 inches on more. Max. For metal the velse on latted with wheels, on latted with wheels, max. For with wheels, ways. For device pol- varys. For device pol- requipted with wheels, max. gr. with wheels,	(11y 2000) Country 2000 (7, wt lbs. Pawu. Sollid Met. (500 2000) 10500 222 15 10500 222 15 22000 (1) (4) (4)

60			FIFTH BIENNIAL	REPORT	
ry 1, 1922.	Special Provisions and Speed Limits	(Miles per Hour)	Passenger Cars 30 Maximun Trucks 30 Trucks (2) 20 Weight of chassis 210 21 Woulds Pheus Solid 21 2.000-2.999 24 20 2.000-2.999 24 20 2.000-2.999 24 20 2.000-2.999 24 26 2.000-2.999 24 26 5.000-2.999 24 26 6.000-2.999 24 26 7.500-8.499 19 15 8.500 mnd over 16 12	City 15 Country 25 (b)	(a)
l) ons Effective Janual	Weight and Dimension	slimil	Per inch width thre 300 pounds, weight 26,- 001 pounds-os weight 26,- 19,500 pounds. Maximum weight 1 arle 19,500 pounds. Width, 96 freet.		815 rr 815 rr 30.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00
Table XXIX (Continued) tion Fees and Regulation	FEES	Motor Trucks	\$0.40 Wt. of chassels, pounds \$0.40 Wt. of chassels, pounds Less than 2,000-241 \$15 2,000-2,999 24 \$16 2,000-2,999 32 \$00 3,000-3,999 32 \$00 3,000-5,999 56 70 5,000-5,999 66 70 5,000-5,999 66 70 5,000-5,999 60 100 7,000-5,999 66 70 7,000-5,999 67 70 7,000-5,999 67 70 7,000-5,999 67 70 7,000-5,999 67 70 7,000-5,999 66 70 7,000-7,499 80 100 7,000-7,499 80 100 7,000-7,499 80 100 7,000-7,499 80 100 7,000 100 20 20 8,000 100 20 20 8,00 100 20 20	Per Sante as passenger cars. 0.1bs 0.35 0.35 0.50	tic the
Table XXIX (Continued) State Motor Vehicle Registration Fees and Regulations Effective January 1, 1922.	LICENSE FEES	Pussenger Cars	Per H. P. 50.40 Minimum fee \$10.	Per 10 H. P. 10 Pucu. 80.25 60 Solid Rub 0.25 Steel	Weight of vehicle, pounds Tapacity tons 1000 or less
State Motor	State. Vehicle. Authority	and Date of Act	PENNSYLVANIA State Highwar Dept. Amended 1921.	RHODE ISLAND State Board of Public Roads. Pussed 1921.	SOUTH CAROLINA State Highway Dept. Effective Jan. 1, 1921.

IS Weight and Dimension Special Provisions and Special Limits Antor Trucks (Miles per Hour) [5]	Less 815.00 less 20.00 numere 35.00 numere 3	n. 20 15 12	Antor Frucks Per inch width thre 500 fbs fcross weight Miles Capacity, lbs, Prou, solid Width, 74, Feet, in lbs, per hour 2,001-1,000 40 83b Frucks purchased after Pucunatic per hour 2,001-1,000 40 8 frucks purchased after Pucunatic per hour 2,001-1,000 40 8 frucks purchased after Pucunatic fruck 2,001-5,000 50 40 frucks purchased after Pucunatic fruck 3,001-5,000 50 400 fruck fruck fruck fruck 5,001-5,000 50 7,000 pounds, core wheels fruck fruck 5,001-5,000 50 7,000 pounds, core wheels fruck fruck 5,001-5,000 120 100 fruck fruck fruck 6,001-10,000 130 100 pounds fruck fruck 6,001-10,000 130 1000 pounds fruck fruck 6,001-10,000 130
Passenger Cars N	DUTH DAKOTA Gross weight, pounds Capacity, turs Secretary of State thru 2,000-3,000 1,00 1,1% County Treasurer, 0,000 20,00 1,2% Effective Jan, 1, 1923, 0,ver 4,000 3,00 2,00	Per H. P. 25.40 Pcr H. S. Shell Pcr H. S. Shell Pcr H. S. Shell Plus & Electric (rueth) 25.40 Pcr H. Dus & Dus Shell Pcr Picetric (run of	Per H. P. 20,35 Capacity (Min. fre \$7.50) 2,001-3,0 2,001-4,0 1,001-6,0 1,001-5,0 7,001-5,0 3,001-5,0 7,001-5,0 7,001-5,0 9,001-10,
State, Vehicle, Authority and Date of Act	SOUTH DAKOFA Secretary of State thru County Treasurer. Effective Jan. 1, 1923.	TENNESSET State Highway Dept. Effective 1924.	TRXAS State Highway Dept. Effective Jan. 1, 1922,

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	January 1, 1922.
	is Effective Jar
Table XXIX (Continued)	on Fees and Regulations
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e XXI	Fees :
Tabl	State Motor Vehicle Registration
	Vehicle
	Motor
	State

222228288 52.0 20 282 Special Provisions and Speed Limits For metal fired vehicle. (Miles per Hour) Solid Max. load. 1 wheel, 33 Gruss weight, tons \$2750 tons. 36.00 Per Inch width fire hard 3-1 pneu. 55.00 Per Inch width fire hard 3-1 pneu. 55.00 per Inch width fire hard 3-1 pneu. 55.00 pounds. 100.00 Vidth, 8 feet. 100.00 Width, 8 feet. 100.00 Vidth, 8 feet. 100 Passenger Cars. and the second second the summer of the Over 6 (steel tires) 1-6 tuns Truck (3) 10) \$20,00 Per inch width tire (60) lbs Pan \$20,00 Max, gross weight 6½ tons (15) Pan \$20,00 except where written contry Pan \$20,00 permit is granted). Bridges \$50,00 Height, 12 feet, 2 inches. Bridges \$75,00 wich addition. Bridges 24,000 City. Weight and Dimension **Limits** 25.00 \$10.00 50.00 80.00 motor Over 5-40 \$50 per tun ad-The second secon 81.00 %-1-1-2 0.751-1-1-2 0.561-1-1-2 0.561-1-2 0.501-1-2 0.501-2-2 0.501-2-2 0.501-2-2 For each additional Cap 1½ ton Cap. 2 tou ton or fraction over Cap. 1 ton 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.000 Motor Trucks For metal tired 810,00[201, 1503 8. 1500[1 0r 1-858 8. 1500[1 22 - 3 25,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[22 - 3 15,00[ditional. trucks LICENSE FEES 5 P 10.00 415 101 Concerning Streets Passenger Cars H. P. 25 or less 26-40 11-50 Steam vehicles of H. P. or less of 16-25 H. P. Subsequent years. First year Second year Third year ----(Mint. free \$10.) Per H. P. Per H. P. Electrics Over 50 "nontimo" State, Vehicle, Authority and Date of Act Secretary of State. Secretary of State. Amended 1921. Amended 1921 of Code of 1919. Secretary wealth. VERMONT VIRGINIA ----UTAH

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FIFTH BIENNIAL REPORT

Table XNIX (Continued) State Motor Vehicle Registration Fees and Regulations Effective January 1, 1922.

	STATE HIGHWAY	COMMISSION 1
Special Provisions and Speed Limits (Miles per Hour)	(ii) Pussenger Cark [2-20 (i) Pussenger Cark [2-20 (ountry [1] 33) Motor trucks (solid fires) (ross wt. tous [2] 2-1 and less [2] 2-1 [2] [1] 2-2 [1] [2] 2-1 [2] [1] 2-2 [2] [2] 2-2 [2] [2] [2] 2-2 [2] [2] [2] [2] 2-2 [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	Ga Mai t.
Weight and Dimension Limits	State Per truch width Ure, Sub City Passenger Cars 12-20 State State Cuty 10.00 pounds. Cuty 10.00 Max. gross weight 24.00 Jound Moter trucks (solid fires) 10.00 Max. gross weight 1 axle ² and bes 2 and bes 22 10.00 Max. gross weight 1 axle ² and bes 2 and bes 20 2 10.00 1.5 11.5 1.5 1.6 12.1 1.5 1.6 13.1 1.4 1.4 14.1 1.4 1.4 15.1 1.4 1.4 16.1 1.4 1.4 17.1 1.4 1.4 10.1 1.4 1.4 10.1 1.4 1.4 11.8 1.4 1.4 11.8 1.4 1.4 11.1 1.4 1.4 11.1 1.4 1.4 11.1 1.4 1.4 11.1 1.4 1.4 11.1 1.4 1.4 11.1 1.4 1.4 11.1 1.4 1.4 12.2 1.4 13.4	Fer meli width fire 600 Vehicle Gr. wt. g25.00 hav. gress weight 7-passenger 6,000 g25.00 hav. gress weight 22,000 thres 6,000 g0.00 pounds. 7-passenger 6,000 g0.00 pounds. 1000 thres 1,000 g0.00 pounds. 1000 thres 1,000 g0.00 hav. gress weight 1 wheel Solid tres 1,000 g0.00 hav. gress weight 1 wheel Solid tres 2,000 g1.00 hav. gress weight 1 wheel Solid tres 2,000 g1.00 hav. gress weight 1 wheel Solid tres 2,000 g1.00 hav. gress weight 1 wheel Solid tres 2,000 g1.00 hav. gress weight 1 wheel Solid tres 2,000 g1.00 hav. gress weight 1 wheel Solid tres 2,000 g1.00 hav. gress weight 1 wheel Solid tres 2,000 g1.00 have 110,00 g1.00 have
PEES Motor Trucks	s 100 per 100 set 100	, i i i
LICENSE FEES Passenger Cars	Private cars. Private cars. Over 1,500 lls. or less	Pretumatic fires. Solid fires Per flu P. 2011 or less (Passinger weight at 12511 or less (Passinger weight at 12511 or less (Passinger each.) Pounds rach.) at 1251 or less (Passinger ear 1-5 Prue tires armo as passinger ear 1-5 Prue tires armo as passinger ear 1-5 Prue tires armo as passinger ear 1-5 Prue tires and a mortes 242 242 242 242 242 242 242 242 242 24
State, Vehicle, Authority and Date of Act	W.ASHINGTGON Secretary of State. Amended 1921.	WEST VIRGINIA Slate Road Commission. Faacted 1921.

	FI	TI		EPORT
ry 1, 1922.	Special Provisions and Speed Limits	(Miles per Hour)		weigh Reasonuble and proper. permi, (b)
] 1) ons Effective Janual	Weight and Dimension	Linuts	Per inch width tire 800 pounds. Max. Bross weight 24,000 pounds. Max. Per avie 18,000 Ibs. Vidth, 96 inches. Vidth, 30 fect. In inree cuties.	tht Preu Maximum gross weigh \$15.00 without special permi- \$20.00 25,000 pounds. 75.00 150.00 150.00 tres and solid e free plus \$10.
Table XXIX (Continued) tion Fees and Regulation	: FEES	Motor Trucks	Capacity, pounds 73.00 Per inch width tire 800 [31y Under 2,100-5,099 22,000 ms. grass weight 24,000 5,100- or mare 25,00 pounds are 18,000 lbs. Width 96 inches. Frengtu, 30 feet.	ks weit n 5 netal rs aboy
Table XXIX (Continued) State Motor Vehicle Registration Fees and Regulations Effective January 1, 1922.	LICENSE FEES	Passenger Cars	All cars \$10 each.	Per H. P. 22 or Icss 58.00 1 to 22 or Icss 58.00 1 to 21-00 12 21-00 12 00 20.00 3-1 0 Ver 1-5 0 Ver
State Moto	State, Vehicle, Authority	and Date of Act	WTSCONSIN Secretary of State, Compiled July, 1921.	WYOMING Secretary of State. Effective Jan. 2, 1922.

FIFTH BIENNIAL REPORT

LAND DIVISION

STATE HIGHWAY COMMISSION

LAND DIVISION.

Every effort has been made by the Land Division to bring it up to the standard of efficiency that the people of Arkansas are entitled to.

It is estimated that ten thousand inquiries are answered annually from the Land Office, all inquiries being answered the same day they are received, if at all possible.

It was found that a good many of the records in the Land Office were in bad condition and during this administration the following improvements have been made:

- 26 Swamp Land Plats have been rebound.
- 7 Forfeiled Land Plats have been rebound. All official Government plats have been worked over and linen backs put on them where needed.
- 42 Records in the office have been rebound.
- 11 Records in the office have been recopied.

Islands.

The Legislature of 1917, by Act 282, provided for the sale of Islands formed within the original beds of the navigable streams of the State. Act 344 of the General Assembly of 1919 fixed the price of Swamp and Internal Improvement lands at \$2.50 per acre. Island land was included in this by an opinion of the Attorney General. In October, 1922, the Supreme Court held that the price of Island land was \$1.25 per acre.

I recommend that the method of sale of Islands be changed and would suggest that the same procedure be followed as in the sale of School lands.

Internal Improvement Land.

The Records of this office are very incomplete with reference to the Chancery Sales of Internal Improvement Lands. Suits were brought in the Pulaski Chancery Court and at least one-half of the proceedings are not to be found in this office. There is a partial record of the Chancery dispositions here, but I find it very incomplete.

I recommend that the Legislature make provisions to have this record completed and brought up to date.

Swamp Land.

The Legislature of 1921 appropriated the sum of Five Thousand Dollars (\$5,000.00) for having Swamp Land

WAR EQUIPMENT DIVISION

LITTLE ROOM PUBLIC LIBRARY

LITTLE MUCK, ARK,

STATE HIGHWAY COMMISSION

WAR EQUIPMENT DIVISION.

Surplus War Materials.

Under Acts of Congress passed February 28th, 1919, March 5th, 1920, April 24th, 1920 and November 9th, 1921. \$1.917.941 worth of surplus war materials had been allotted to the State of Arkansas for road building purposes up to January 1st, 1921, all of which had been disposed of by the preceding administration. On account of the policy adopted in the disposition of these materials, allotments were discontinued to the State. Before any more allotments would be made, the Department of Agriculture at Washington directed that this Department make a strenuous effort to reclaim the property that had been unlawfully disposed These materials had been sold to individuals and corof. porations and donated to counties in conflict with Section 5 of the Act of Congress, approved March 15th, 1920, which reads as follows:

"Section 5. That the title to said vehicles and equipment shall be and remain vested in the State for use in the improvement of the public highways, and no such vehicles and equipment in serviceable condition shall be sold or the title to same transferred to any individual, company or corporation: Provided, That the State Highway Department to which is assigned motor propelled vehicles and other equipment and supplies, transferred herein to the Department of Agriculture, may in its discretion, arrange for the use of such vehicles and equipment, for the purpose of constructing and maintaining public highways, with any state agency or municipal corporation at a fair rental which shall not be less than the cost of maintenance and repair of said vehicles and equipment."

Acting under directions of the Department of Agriculture of the United States the Commission proceeded, with the assistance of that Department, to check up and reclaim the equipment which had been disposed of and after many months of persistent effort were able to reclaim the following materials as shown by the recapitulation given below.

Class of Equipment	Received	Accounted for	Per
Construction of the state	Value	Value	Cent
Motor equipment	\$1.081,504.00	\$815,486.00	75
Spare parts	263,600,00	134,138.00	53
Major equipment	217,729.00	106,420.00	43

Industrial roilway			
equipment	232,184.00	27,711.00	12
Minor equipment	13.036.00	10.312.00	79
Construction male-			
rials	83,509.00	76,009,00	91
Tools		6,379.00	100
TOTAL	\$1,917,941.00	\$1,176,455.00	61

Note: The above values were estimated by the Department of Agriculture at the time of delivery.

It should not be understood that the materials thus reclaimed were actually delivered back to the Department in Little Rock or that they were in serviceable condition at the time they were reclaimed. In cases where those to whom the materials had been sold or donated were willing to turn them back, memorandum receipts were taken in the following form:

MEMORANDUM RECEIPT.

Received from the State Highway Department of Arkansas at Little Rock, Arkansas, the following described property for which I hold myself responsible and which I will return in as good condition as when received, ordinary wear and tear excepted, when called on by proper authority to do so.

Quantity	Items and Description	Condition
Date		
	Signed.	

Title.....

It was necessary to reclaim the materials in this way on account of the fact that this Department had no funds with which to pay the transportation charges back to Little Rock. Much of those materials had been permitted to waste and deterioate in value, in many cases being exposed to the weather and subject to the depredations of thieves. Motor vehicles were robbed of many parts. It will thus be seen that the equipment when reclaimed had deteriorated far below its value at the time it was delivered to the State by the U. S. Department of Agriculture. Many of the motor vehicles scattered over the State are in such bad mechanical condition that it is impossible to drive them on their own power and to load them for reshipment back to this Department, even if sufficient funds were available with which to do so. However, quite a few motor vehicles and other materials have been brought in where it was possible to do so without incurring heavy transportation charges.

Suits have been filed by the Attorney General to recover the 39 per cent for which those holding same refusing to sign memorandum receipts. Up to this time only one of those suits out of a total number of 67 has been decided, that being the case of State vs. Geo. B. Cox, et al. In this case it was decided that the materials sued for were "not serviceable for road building purposes in Arkansas" and therefore the Highway Department had the right to sell same and consequently the State failed to recover. Many other suits are still pending in the courts and it remains to be seen what disposition will be made of them.

In the reclamation of these materials it was necessary to employ inspectors and accountants to do the work and thus far a total expense of \$7,599.34 has been incurred in that work.

Allotments Resumed.

In the fall of 1921, service on the Missouri & North Arkansas Railroad was discontinued, leaving a vast area of the State without freight and passenger transportation facilities, except over the public highways. It became apparent that it would be necessary for the benefit of the people residing in the territory supplied by this railroad. to repair the highways therein in order to provide ways of transportation. The Department appealed to the Secretary of Agriculture at Washington for an allotment of ten tenton Holt tractors to be used in the counties traversed by this railroad. An allotment of twenty-one of these tractors was secured, this being the first allotment that the present administration was able to get. These tractors were distributed on a rental basis in the counties affected and proved to be of invaluable service to the people in those counties.

Not until June, 1922, were we able to get the Department of Agriculture to resume shipments of surplus war materials for road building purposes to the State, except for a few minor shipments, and not until we had made an exhaustive report assisted by a representative from the Department of Agriculture. Since June, 1922, large shipments of major and minor equipment, such as is practical for use in maintaining and constructing highways, have been received. These include:

Axes, anvils, tool boxes, crow bars, digging bars, belts, blocks, batteries, buckets, bits, blankets, feed bags, chains, cutters chisels, air compressors, cables, garbage cans, drills duck, planers, files, grease, grinders, pick handles, hatchets, hammers (sledge, shop and claw), rope halters, hoists (steam, electric and rope), jacks, knives (drawing), lathes, lanterns, levels, motor cycles, motors (gas and electric), mattocks (pick), machines (milling), nails (all sizes), pumps, pliers, peavies, pulleys, plainers, presses, picks (railroad), picks (clay), rails (25 lb. for industrial railway), punches, paint, rope (all sizes), reamers, springs (for trucks), spare parts (for P. A. trucks), shovels (long and short handled), spades, shelters, spikes (wire 8 and 10 in.), squares (sleel), screwdrivers, saws (cross cut and hand), shop tools, sledges, coops (coal), tarpaulins, trucks (auto), trailers (truck), taps, torches (blow), tongs (chain), tents, tractors (5 and 10 ton Holts), tires (solid), vises (machine and blacksmith), washers, wrenches (all kinds), wire (barbed), wagons (log, escort and tool), wheelbarrows and numerous other small items.

Proper Classification.

In order to classify the different kinds of property bandled by the State Highway Department, the following definitions have been established. Property is either nonexpendable or expendable as indicated under the various classifications.

Class 1. Major Equipment: Non-expendable.

This comprises apparatus with a monetary value of seventy-five dollars or more, such as trucks, tractors, gas engines, lathes, derricks, wagons, pumps, hoisting machines, automobiles, industrial railway equipment, etc.

Class 2. Minor Equipment: Expendable.

This comprises equipment, materials and supplies that are expected to be consumed in the construction of highways or which has a value so small that it would be impracticable to dispose of them on a rental basis. This includes small tools, spare parts, repairs and accessories for major equipment, nails, saws, picks, shovels, etc.

How Acquired For Use.

Major equipment or non-expendable materials can be acquired for use by counties, road districts, municipal corporations and other road building agencies, on a lease or rental basis. Rentals are charged on major equipment only. Below is given a specimen copy of the lease contract required on major equipment:

Lease Contract.

The State Highway Department hereby rents to the party of the second part the following described equipment, viz:

Item and Description Value Monthly Rental Rate

to the.....day of....., 192..., for the total rental price of......dollars, to be paid in.....installments.

The party of the second part hereby agrees to keep the above described equipment in a proper state of repair and in good working order, and at the expiration of this agreement to return said equipment to the State Highway Department in as good condition as when received, natural depreciation excepted.

The party of the second part further agrees to allow the State Highway Department or its authorized representatives to have free access at all times to said equipment for the purpose of inspection to insure that the provisions of this agreement are being carried out.

rial incidental thereto, and that when improved roads have been turned over to the County Judge for maintenance as provided by law and such improved roads are in need of maintenance, the equipment leased in accordance with this agreement will be used for this work.

The party of the second part further agrees not to loan, sublet or hire out said equipment or any part of same without the specific written approval of the State Highway Department.

The party of the second part further agrees that in the operation of said equipment only such operators whose qualifications meet the approval of the State Highway Department will be employed.

The party of the second part further agrees that when said equipment is not in use or operation it shall be kept in proper storage, such storage to be subject to the approval of the State Highway Department.

The party of the second part further agrees to pay all freight, demurrage, loading and unloading charges and other expenses incidental to the transfer of the equipment from the storage warehouse of the State Highway Department at Little Rock, Arkansas, and for its return thereto.

Rentals Charged.

The Act of Congress approved March 15th, 1920, provides that equipment may be leased, for the purpose of constructing and maintaining public highways, to any State agency or municipal corporation at a fair rental which shall not be less than the cost of maintenance of such equipment. Pursuant to this provision a schedule of rentals has been fixed on major equipment which is in part as follows:

Mo	Monthly	
Item and description rental	charged	
Tractor, 20 ton Holt\$	25.00	
Motor Cycle, Harley-Davidson	5.00	
Engines, gas, 35 H. P. Pittsburg.	12.50	
Engine, gas, 71/2 H. P. Hercules	8.00	
Milling machine, Becker.	5.00	
Lathe, Monarch	5.00	
Tractor, 10 ton Holt	25.00	

STATE HIGHWAY COMMISSION

Derrick, 5 ton Stiff Log	12.50
Bucket, clam shell	12.50
Engine, hoisting	12.50
Trucks, all makes.	10.00
Crane. Locomotive	100.00
Trailer, truck	5.00
Wagons, escort and log	5.00
Mixers, concrete	25,00
Tractor, 5 ton Holt.	25.00

The lessee is required to pay in addition to the above rental, freight and loaing charges accrued on the equipment leased.

Minor Equipment.

Minor or expendable equipment is sold outright. This is in accordance with the interpretation of the regulations as made by the representative of the Bureau of Public Roads at Washington. Prices have been fixed considerably lower than that charged by dealers and it is quite a saving to the counties, road districts and other road building agencies to purchase these items from this Department.

Among the major equipment allotted to this Department since Jan. 1st, 1921, are the following items:

174	umber
	llotted
Engines, gas, 50 H. P. Pittsburg	. 5
Engines, gas, 50 H. P. Pittsburg Engines, gas, 35 H. P. Pittsburg	. 5
Engines, gas, 71/2 H. P. Hercules	. 4
Tractors 10 ton Holt	. 29
Tractors, 10 ton Holt (unserviceable)	. 5
Tractors, 5 ton Holt	3
Trucks, Class B Liberty	. 4
Trucks, F. W. D.	. 2
Trucks, G. M. C.	$\frac{2}{2}$
Trucks, Dodge Light Delivery (Unserviceable)	. 2
Trucks, White Reconnaisance	. 1
Trucks, White 1½ ton	. 3
Touring cars, Dodge (unserviceable)	. 2
Motor cycles, Harley-Davidson	10
Fire truck, Howe-Ford	. 1
Grinders, various makes	. 5
Lathes, various makes	. 11
Mixers, concrete	. 2
Motors, electric	. 5
Machines, milling	. 1
Press, drill	. 1
Compressors, air	. 3

FIFTH BIENNIAL REPORT

Plainer, Cincinnati	1
Wagons, log	11
Wagons, tool	10
Hoists, electric	2

Major Equipment Leased.

	Number	Monthly
Item	leased	rental
Tractors	44	\$1027.00
Motor vehicles		670.00
Concrete mixers	3	54.00
Truck trailers	6	48.00
Cranes	1	100.00
Hoist, pump and engine, each	. 1	25.00
Escort wagons		7.50
Lathes	-	5.00
Wagons, log and spare parts	6	30.00
Engines, gas	4	28.50
Rails, steel		6.00
Derricks, stiff log	1	62.50
Total		\$2063.50

Financial Statement.

The War Equipment Division is maintained from rents on major equipment and sales of minor equipment. Below is given the financial statement covering the period from January 1st, 1921, to September 20th, 1922.

Receipts.

From Freight—Re-imbursed 10.862.16 From Other Sources	From	Rents—Lease Proper Sales—Lease Proper	y Expendable	11,224.60
	From	FreightRe-imburse	2d	10.862.16
Trom other sources				
				4

Tota] \$42,079.94

Disbursements.

EXPENSE:

Legal	\$ 431.63
Office salaries	5,435.80
Store room and warehouse	1,365.58
Mechanics	6,530.05
Labor	748.30
Official cars	2,343.15
Stationery and printing	586.29
Gas and oil	 322.81
Trucks and tractors	438.09

UTIL STATE SLIG LIBRARY

LITTLE POCK, ARK.

STATE HIGHWAY COMMISSION

191.29 Traveling Insurance 28.75 Rent 1,855.00 Miscellaneous 4.243.10 Government loading charges 1.031.11 10.730.49 Freight paid Accounts receivable 5.266.44Balance on hand 493.06 Total \$12,079.91

Shop.

In order to repair and keep equipment in serviceable condition, a repair shop is being maintained by this department. So much of the equipment is found to be unserviceable and in bad repair and the funds so limited that it is not possible to accomplish all that should be done with the limited shop facilities that are available.

Engineers Cars.

As there is no appropriation for the purchase of cars for District Engineers, three new cars have been recently purchased for them out of the funds of the War Equipment Division, and by resolution passed by the Commission, more cars will be bought in the same way from time to time as needed.

On account of the equipment formerly allotted being scattered over the State in various parts of the seventy-five counties, it is going to be a difficult task to rehabilitate it. Freight rates almost prohibit the shipping of it back to Little Rock for repairs and salvage and in many cases the equipment is in such bad mechanical condition that there is no other way to get it back except by railroad transportation.