

State of Iowa

1926

REPORT OF THE

State Highway Commission

FOR THE

Year Ending December 1, 1926

ISSUED BY THE

STATE HIGHWAY COMMISSION

AMES, IOWA

J. W. HOLDEN, *Chairman*
ANSON MARSTON,
CARL C. RIEPE,
State Highway Commissioners.

F. R. WHITE, *Chief Engineer*

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PART 1

CHAPTER I

Summary

LETTER OF TRANSMITTAL

HON. JOHN HAMMILL, *Governor:*

Pursuant to the provisions of Section 4626, Code of 1924, the Iowa State Highway Commission presents herewith Part I of its thirteenth annual report.

This part of our annual report shows in detail the cost of maintenance of the Highway Commission for the fiscal year beginning July 1, 1925, and ending June 30, 1926, and also covers the principal operations of the Commission incident to the construction and maintenance of primary roads for the fiscal year beginning December 1, 1925, and ending November 30, 1926.

Part II of this report will contain a summary of the annual reports of the county engineers for the calendar year beginning January 1, 1926, and ending December 31, 1926, and will be prepared and submitted during the month of February, as the law provides.

J. W. HOLDEN, Chairman.

ANSON MARSTON,

CARL C. RIEPE,

Commissioners.

Ames, Iowa, December 27, 1926.

The Thirteenth Annual Report.

The thirteenth annual report of the State Highway Commission is divided into two parts.

Part One is the report of the work of the Commission and of construction and maintenance work on the primary road system and expenditures therefor, for the year ending November 30, 1926, and a report of the expenditures of the Commission for the fiscal year ending June 30, 1926.

Part Two is a summary of the annual reports of the county engineers for the year ending December 31, 1926.

Construction Work Accomplished.

The following amounts of the various classes of road and bridge work on the primary road system were completed during 1926:

Paving	91.1 Miles
Gravelling	407.6 Miles
Grading	495.1 Miles
Tile Drains	129,573 Ltn. Ft.
Guard Rail	304,725 Ltn. Ft.
Bridges and Culverts	1,357

A comparison of the construction work accomplished each year since the primary road law was passed, follows:

Year	Paving Miles	Gravelling Miles	Grading Miles	Tile Drain Ltn. Ft.	Bridges and Culverts
1919	4.3	3.0	140.0	130,001	.....
1920	46.6	102.5	409.8	1,198,700	.....
1921	265.4	307.7	1,050.9	5,416,528	.....
1922	191.4	432.0	1,092.7	3,090,002	2,169
1923	199.7	443.8	897.5	2,161,741	1,815
1924	95.5	354.8	459.7	1,088,703	803
1925	92.0	296.0	350.3	455,000	900
1926	91.1	407.6	495.1	139,873	1,357

On December 1, 1926, the following uncompleted work was under contract:

Paving	114.0 Miles
Gravelling	140.0 Miles
Grading	243.0 Miles
Tiling	59,411 Ltn. Ft.
Bridges and Culverts	173

This work will be carried over into the 1927 construction season.

Expenditures for Construction.

The expenditures for construction work paid for from the primary road funds during 1926 was \$8,988,702.45, as follows:

	Primary Roads	Secondary Roads
Grading	\$2,237,514.31	\$336,925.53
Graveling	770,772.83	233,909.21
Paving	2,485,208.76	.....
Drainage	55,032.47	13,950.79
Bridges and Culverts	1,881,868.36	.....
Guard Rail	80,454.47	1,130.48
Right of Way	580,277.92	.....
Machinery and Equipment....	*31,907.33	.....
Engineering	343,564.65	.....
Total.....	\$8,402,786.44	\$585,916.01

The following is a comparison of the construction expenditures from primary funds for each year since the primary road law was enacted:

	Primary System	Secondary System
1919	\$ 741,313.73	.....
1920	4,906,404.96	.....
1921	15,500,523.64	.....
1922	13,324,555.14	.....
1923	12,662,680.79	1,055.74
1924	10,479,315.42	247,618.69
1925	6,889,023.72	500,053.73
1926	8,402,786.44	585,916.01
Total.....	\$72,906,603.84	\$1,334,644.17

Expenditures for Maintenance.

The maintenance of the primary road system from December 1, 1925, to December 1, 1926, cost \$3,100,675.07.

The following is a comparison of the expenditure for maintenance for each of the past five years:

1922	\$2,444,664.54
1923	2,420,900.25
1924	2,722,076.89
1925	3,021,003.93
1926	3,100,675.07

*Refunds exceeded expenditures.

Condition of Primary Road System.

On December 1, 1926, the condition of the primary road system was as follows:

Paved	650.2 Miles
Graveled	2,819.4 Miles
Built to finished grade but not surfaced....	1,732.3 Miles
Not built to finished grade.....	1,451.8 Miles
Total.....	6,653.7

Cost of Engineering and Administration.

Since the first law was enacted (in 1917) accepting federal aid, \$92,895,276.43 has been expended on the primary road system under the Commission's supervision. This expenditure is classified as follows:

Construction	\$70,234,503.74
Maintenance	17,202,654.61
Engineering and Administration.....	5,458,118.08
Total.....	\$92,895,276.43

The expenditure for engineering and administration amounts to five and eighty-eight one-hundredths (5.88%) per cent of the total expenditure. This expenditure includes every item of engineering and overhead expense of every nature incurred by the Commission in connection with work on the primary roads.

In addition to this primary road expenditure there has been \$1,334,644.17 expended from the primary road fund for construction work on the secondary roads. It takes as much work in our office to administer a project on the secondary roads (payable out of primary funds) as it does for a project on the primary system. Our engineers give general supervision to construction work on primary-secondary projects. If this expenditure on primary-secondary projects is taken into consideration, then the cost of engineering and administration on all expenditures from the primary road fund is five and seventy-nine one-hundredths (5.79%) per cent of the total expenditures.

Cost of the Commission.

During the fiscal year the total salaries and expenses for all three members of the Commission was \$5,330.66, as follows:

	Salary	Expense	Total
J. W. Holden	\$ 1,420.00	\$ 87.24	\$ 2,207.24
William Collinson	650.00	39.76	729.76
Anson Marston		8.40	8.46
Carl G. Riepe	100.00	134.78	234.78
Departmental Transportation		1,920.42	1,920.42
Total	\$ 2,170.00	\$ 3,290.60	\$ 5,330.60

Payments Made by Government.

Prior to December 1, 1925, the government had paid \$13,503,484.40 to the state in aid of road work. During 1926 the government paid to the state \$2,121,597.97. The total payments by the government to December 1, 1926, amount to \$15,625,082.37. Of the total amount of federal aid allotted to the state prior to December 1, 1926, (\$19,485,563.00) \$3,860,480.63 is still in the hands of the Federal Treasurer in Washington. In addition to this sum, Iowa's balance of federal aid authorized by Congress in a bill passed June, 1926, will be about \$4,120,938.00, making a total of \$7,981,418.00 coming to this state under existing federal laws.

Federal Aid Funds Obligated.

If project agreements are not executed obligating federal aid within two years after the close of the fiscal year during which funds become available, such funds revert to the federal government. Under these conditions, Iowa must have obligated \$19,485,563.00 of federal aid funds by July 1, 1929. Up to December 1, 1926, project agreements had been signed with the Secretary of Agriculture obligating \$19,160,522.00 of federal aid, leaving \$325,041.21 which must be obligated by July 1, 1929. At the present rate these funds will be obligated in sufficient time to prevent their reverting to the government.

Tests of Materials.

In connection with the construction work carried on during 1926, tests and inspections have been made of 24,846 samples of materials. The amounts of the various materials represented by these samples are as follows:

Sand, gravel and stone	897,823 Tons
Cement	1,057,915 Bbl.
Steel	8,514 Tons
Paint	20,319 Gal.
Tile	327,954 Ltn. Ft.
Bituminous material	45,354 Gal.
Guardrail posts	65,763
Guardrail cable	668,690

Bridge Surveys and Plans.

Field surveys have been made for 1,521 bridges and culverts. Plans have been prepared for 1,353 bridges and culverts, estimated to cost \$2,638,000. Plans have been checked and approved for 237 bridges and culverts estimated to cost \$942,642.00. A comparison of this work during the past seven years follows:

Year	Field Surveys Made	Plans Prepared		Plans Approved		Shop Drawings Approved
		No.	Estimated Cost	No.	Estimated Cost	
1920	1,792	1,074	\$ 3,025,636	496	\$ 1,672,417	103
1921	3,024	2,025	4,009,940	432	759,794	158
1922	3,025	3,577	3,823,323	194	469,000	130
1923	2,340	2,167	2,600,023	251	667,000	126
1924	3,022	1,054	2,100,234	261	650,000	115
1925	1,866	1,983	2,137,214	284	753,000	134
1926	1,521	1,353	2,638,000	237	942,642	113

Road Surveys and Plans.

During 1926 detail surveys were made for the improvement of 349 miles of primary road. Plans were prepared for 753 miles of the primary road system and plans prepared by the county engineers for 304 miles of secondary road were checked and approved. Surveys of the primary road system in fifty counties are completed.

A comparison of the mileage of surveys and plans for the past nine years, follows:

Year	Primary Roads		Secondary Road Plans Checked and Approved
	Surveys	Plans	
1918	230 Miles	213 Miles	321 Miles
1919	1,003 "	387 "	381 "
1920	1,089 "	1,164 "	413 "
1921	1,005 "	7,436 "	294 "
1922	999 "	1,794 "	251 "
1923	499 "	946 "	139 "
1924	314 "	583 "	330 "
1925	321 "	544 "	298 "
1926	349 "	753 "	304 "

Bridge and Road Contracts.

Twelve hundred fifty-three bridge, road, and material contracts were checked for approval, as follows:

	No. of Contracts	Amount of Contracts
Bridge and culvert work.....	297	\$ 3,079,807.79
Bridge and culvert material.....	43	.....
Primary road work.....	311	9,189,494.19
Primary road work in cities.....	8	261,555.30
Primary road maintenance work.....	346	671,525.51
Secondary road projects involving primary road funds.....	67	487,771.59
Secondary road districts.....	30	308,732.36
County road work.....	101	963,491.74
Total	1,363	\$ 15,031,342.42

Ten of the above contracts, for work costing \$135,200.00 were disapproved. The remainder were approved. A comparison of the contracts checked for approval for the past eight years follows:

Year	Bridge and Culvert Contracts		No. of Mil. Contracts	Primary Road Contracts		Secondary Road Contracts	
	No.	Amount		No.	Amount	No.	Amount
1919.....	273	\$ 3,213,800	35	29	\$ 1,139,222	37	\$ 525,459
1920.....	228	4,307,309	53	307	12,213,000	62	876,081
1921.....	267	4,092,108	49	433	7,969,488	94	727,966
1922.....	391	3,759,193	44	465	9,227,810	74	459,707
1923.....	332	3,295,259	48	390	6,233,974	93	673,897
1924.....	246	2,768,169	34	278	4,418,959	129	835,488
1925.....	303	3,392,841	46	392	4,533,094	208	1,378,978
1926.....	297	3,079,808	43	660	10,122,575	236	1,819,500

Road Plans, Specifications and Estimates Submitted.

Plans, specifications and estimates for 160 projects, involving the improvement of 1,013 miles of primary road at an estimated cost of \$11,759,171 were submitted to the federal government and the boards of supervisors for approval. Ninety of these projects estimated to cost \$10,233,593 were federal aid projects. The remainder were primary road projects.

Government Equipment Received.

No surplus war equipment was received from the government during 1926. It appears unlikely that there will be any more of such equipment issued to the states. This transaction may be considered as closed.

Bonds and Certificates in Anticipation of Primary Road Fund.

On December 1, 1926, there were \$15,260,500.00 of primary road bonds and \$1,815,000.00 of primary road anticipation certificates outstanding. These bonds had been issued by twenty-one counties.

The certificates had been issued by thirty-nine counties. (See Schedules 46 and 47.)

Primary Road Markers.

A new and permanent system of guide and warning signs has been erected on the primary road system at a cost of \$105,000.00. These signs conform to the standard adopted for the whole United States. The system is not yet complete. It will be necessary to add thereto signs showing the direction and distance from important intersections to important points; also signs marking important stream crossings, points of historic interest, etc. These additional signs will be added from year to year as necessity arises.

Roads Completed Across State.

We now have two roads surfaced entirely across the state. These are U. S. No. 18 from McGregor through Mason City and Spencer to the South Dakota line west of Doon, and U. S. No. 20 from Dubuque through Waterloo and Ft. Dodge to Sioux City. It is expected that in 1927 one and possibly two additional roads will be connected up entirely across the state.

Railroad Crossing Elimination.

A very considerable progress has been made in the elimination of railroad crossings on the primary road system. From 1919 to 1926 seventy-one grade crossings have been eliminated from the primary roads outside of cities and towns, by the construction of overhead or under crossings. Two hundred nineteen railroad grade crossings have been eliminated from the primary road system outside of cities and towns by relocating the primary roads. Thus a total of two hundred ninety grade crossings have been eliminated from the primary roads outside of cities and towns since 1919.

On primary roads inside cities and towns since 1919, ten grade separations have been built and twenty-four crossings have been eliminated by relocations—a total of thirty-four.

Thus on the primary roads inside and outside of cities and towns, three hundred twenty-four grade crossings have been eliminated since 1919. This is thirty-one per cent of all the grade crossings on the primary road system in 1919. In that year there were one thousand sixty-three railroad grade crossings on the primary road system. At the present time this number has been reduced to seven hundred thirty-nine.

CHAPTER II

Executive Department

Appointments of Commissioners.

Fifty-four formal meetings of the Commission were held during the past year. Of these fifty-three were attended by Commissioner Holden, forty-three by Commissioner Marston, three by Commissioner Collinson and twenty-seven by Commissioner Riepe.

The Commissioners spent a total of one hundred thirty days on inspection trips in the various counties and in conferring with county boards of supervisors, township trustees, and other road officials.

Employees of the Executive Department spent one hundred seven days on assignments outside the office.

Three-Year Road Program.

In December, 1925, the Commission outlined what has come to be known as the "Three-Year Primary Road Program." The basic principle of this program was to get a large network of surfaced highways connecting all parts of the state in a minimum time with the funds available. The conditions demanded the use of a large mileage of gravel surface on account of its low first cost. The letting of contracts for construction work has progressed during 1926 in accordance with the program as outlined for that year, except where the counties have voted bonds to construct paving on roads which we had proposed to surface with gravel. There has been some slight shifting as to individual projects, but the total mileage of grading and surfacing placed under contract in 1926 corresponds very closely to the total mileage of such work proposed for that year, as follows:

Proposed 1926 program:

Grading	521 Miles
Gravel	704 Miles
Paving	23 Miles

Contracts let in 1926:

Grading	518 Miles
Gravel	533 Miles
Paving	193 Miles

Litigation.

There were no cases where the Commission was principal defendant or plaintiff. The Commission was made joint defendant in a number of cases mostly relative to claims, by parties furnishing material or labor to contractors on primary road projects.

Publications.

During the year, three issues of the regular Service Bulletin were published. Fifty-two reports of road and bridge lettings were published. Thirty-two issues of the weekly road condition were made and two issues of the annual road condition map.

Modification of County Road System.

The Commission acted on sixty-seven requests from the county boards, for modifications of the county road system. The changes and modifications made in the county road system resulted in the addition of 192.31 miles to the said system.

Modification of Primary Road System.

The Commission acted on fourteen requests from county boards for modifications in the primary road system. The changes and modifications made in the primary road system have resulted in a net decrease of 20.4 miles in the primary road system. The total mileage of said system now is 6,653.7.

Change in Primary Road Numbers.

In order to conform to the U. S. road numbering system as adopted for the whole United States by a board appointed by the U. S. Secretary of Agriculture, the numbers of the primary road system were quite generally rearranged. Iowa's road numbers and markers now conform to the national standard.

State Fair Exhibit.

The usual highway exhibit was maintained at the State Fair.

Registration of Highway Routes.

There were no new highway routes registered. Three applications for such registration were disapproved. The application of White-way-7-Highway Association for change of its name to White Way Highway was approved.

Organization of Commission.

On December first, 1926, there were three hundred seventy-one people on the Commission's force, exclusive of the Commissioners and temporary and part-time help. One hundred eighty-one of the above three hundred seventy-one people were, on December first, engaged in field construction work. An outline of the organization of the Commission, showing department heads and district engineers, follows:

Commissioners:

J. W. Holden.....Chairman.....Scranton
 Carl C. Riepe.....Burlington
 Anson Marston.....Ames

Executive Department:

F. R. White.....Chief Engineer.....Ames

Department of Road Administration:

M. L. Hutton.....Assistant Engineer.....Ames

Construction Department:

F. H. Mann.....Assistant Chief Engineer.....Ames

Department of Road Design:

W. E. Jones.....Engineer of Road Design.....Ames

Maintenance Department:

W. H. Root.....Maintenance Engineer.....Ames

Department of Materials and Tests:

R. W. Crum.....Engineer of Materials and Tests.....Ames

Bridge Department:

J. H. Ames.....Bridge Engineer.....Ames

Department of Purchases and Accounts:

C. R. Jones.....Auditor.....Ames

District Number One:

W. F. Beard.....District Engineer.....Ames

District Number Two:

Raymond Zack.....District Engineer.....Mason City

District Number Three:

E. W. Dunn.....District Engineer.....Sioux City

District Number Four:

L. M. Martin.....District Engineer.....Atlantic

District Number Five:

J. S. Morrison.....District Engineer.....Ottumwa

District Number Six:

Will M. Lee.....District Engineer.....Cedar Rapids

District Number Seven:

J. A. Paulsen.....District Engineer.....Waterloo

District Number Eight:

A. A. Baustian.....District Engineer.....Storm Lake

District Number Nine:

W. O. Price.....District Engineer.....Charlton

Recommended Legislation.

It is recommended that legislation be enacted as follows:

(a) *Control of Primary Roads.* Place the entire control of the primary roads in the hands of the State.

(b) *Allotment of Primary Road Funds.* Do away with allotting the primary road funds among the counties.

(c) *Special Assessments for Paving.* Do away with special assessments for paving, and refund such assessments heretofore levied.

(d) *Gasoline Tax Increase.* Increase the gasoline tax to three cents per gallon, the proceeds of such additional one-cent tax to be devoted to the primary roads.

(e) *Gasoline Tax Funds on Secondary Roads.* Place all that part of the gasoline tax which goes to secondary roads into a county fund under the control of the boards of supervisors for use in *construction work* only, on county and important township roads, under the state's approval and general supervision.

(f) *County and Primary Road Bond Laws.* At the present time there are three primary road bond laws on the statute books, under any one of which a county may proceed to vote and issue bonds for primary road improvements. These laws are as follows:

1. The original primary road bond law. Sections 4720 to 4726 inclusive, etc., Code of 1924.
2. The validation of tentative contracts for primary road improvements. Sections 4727 to 4730 inclusive, etc., Code of 1924.
3. The so-called gravel road bond bill passed by the Special Session of the 40th General Assembly. Chapter 242, Code of 1924.

This duplication and multiplication of statutes should be eliminated in the interests of simplicity and clearness in our road laws. It is recommended that these statutes be revised and combined into one statute so that when any county desires to proceed to vote bonds for primary road improvement, there will be no question whatsoever as to what law they may operate under.

(g) *Filling Stations, Fruit Stands, etc., on the Highways.* It should be made unlawful to erect filling stations, fruit stands, etc., on the highways or so close to the highways that cars will be on the highway when being served. The state highway commission should be given power to cause the removal of such obstructions from primary roads and the county boards of supervisors from secondary roads.

(h) *Traffic Coming Onto Primary Roads.* All traffic coming onto primary roads from side roads should be required to come to a stop.

(i) *Protection of Road Markers.* Primary road signs and markers should be protected by suitable legislation. It should also be made a punishable offense to erect signs on private property, resembling the official road signs, or containing the words "Drive Slow," "Stop," etc.

(j) *Obstructing Primary Roads.* It should be made illegal to move houses or other buildings upon or across the primary roads, or otherwise obstruct such roads, without the consent of the state highway commission. The holding of street fairs, carnivals, etc., on extensions of primary roads within cities and towns should be prohibited.

(k) *Loading of Motor Vehicles.* The law relating to the maximum loadings, the load per inch width of tire, etc., on motor vehicles, should be rewritten and made workable. There should be legislation to prevent the overloading of trucks beyond the load capacity for which the license fee was paid.

(l) *Speed of Vehicles in Municipalities.* The laws relating to the speed of vehicles on main roads through cities and towns should be rewritten. It is absurd to expect traffic to slow down to twenty miles per hour away out in the country merely because it is within the corporate limits of a city or town.

CHAPTER III

Bridge Department

Bridge Designs for Specific Locations. (Refer to Schedule No. 1.)

During the past year the bridge department has prepared 1,353 designs for individual locations from field notes secured by the engineers of the Commission and from notes sent in by county engineers. The total estimated cost of these structures is \$2,638,126.00.

Since the present road law went into effect in April, 1913, the bridge department has prepared 16,068 designs for specific locations, which are estimated to cost \$29,794,726.00. The following designs prepared by the bridge department during the past year include some of the more important structures:

Design No. 126, Audubon County, is a 120'x20' High Truss on concrete piers with two 32' I-Beam approach spans on concrete pedestals on each end. The bridge is over the Nishnabotna Drainage Ditch near the south city limits of Exira.

Design No. 126, Buchanan County, spans the Wapsipinicon River at the south city limits of Independence. Four 80' arches with foundations carried to rock span the stream from bank to bank and provide for a 24' clear roadway and one 5' sidewalk.

Design No. 126, Butler County, consists of a 70'x20' Pony Truss channel span on concrete piers with six 32' I-Beam approach spans on concrete pedestal bents. This bridge is located at the west city limits of Parkersburg on U. S. Road No. 20 over Creamery Creek.

Design No. 426, Cerro Gordo County, is unique in being the longest monolithic concrete girder in the state. It is 122' long over all but makes use of the cantilever principle, the distance between piers being 70'. A clear roadway of 24' is provided. This bridge is over Lime Creek on the Jefferson Highway just north of Mason City.

Design No. 10626, Clinton County, is a double 120'x20' High Truss bridge on concrete piers with eight 32' I-Beam approach spans. This bridge spans the main channel of the Wapsipinicon River on the Clinton-Scott County line.

Design No. 126, Crawford County, is a 140'x20' Skew High Truss with a 40' I-Beam approach on each end. It spans the Boyer River Ditch on the Lincoln Highway relocation between Dow City and Arion.

Design No. 126, Dubuque County, was designed to give the maximum waterway opening over the North Branch of the Maquoketa River in Cascade. It is being built in conjunction with other flood control improvements seeking to avert repetition of the disastrous damages sus-

tained in the flood of June, 1925. Two 75' plate girders on concrete abutments and piers are used, providing a 24' roadway and two 5' sidewalks.

Design No. 3926, Fremont County, is a 120'x20' High Truss on concrete piers with two 32' I-Beam approach spans on each end. This bridge spans the West Nishnabotna Drainage Ditch on the primary road between Sidney and Shenandoah.

Design No. 126, Jones County, has a main channel span of 175'x20' on concrete piers with concrete floor. The approaches, consisting of six 32' I-Beam approaches on creosoted piling, are of a more temporary nature. This bridge is over the South Fork of the Maquoketa River on the county road half way between Onslow and Cascade.

Design No. 8926, Linn County, is a 160'x20' High Truss on concrete abutments over Prairie Creek north of Fairfax.

Design No. 126, Marshall County, is a proposed overhead crossing carrying the Lincoln Highway over the double tracks of the Chicago & North Western Railway and Linn Creek about 4 miles west of Marshalltown. The design contemplates 120' Pony Trusses over the present tracks, 75' Plate Girder Spans over proposed future tracks, and 40' concrete approach spans aggregating 562' overall length of viaduct. 24' roadway is provided.

Design No. 426, Monona County, is an 80'x20' Pony Truss with a 40' I-Beam approach on each end. It crosses the Maple River in Mapleton.

Design No. 6626, Montgomery County, is a 90'x20' Pony Truss with two 40' I-Beam approach spans on concrete piers carried to rock. This bridge is on an extensive channel change and short road relocation south of Grant.

Design No. 626, Union County, provides for repairing and surfacing old stone culverts with gunite on U. S. Highway No. 34 from Creston east to Clarke County. For miles the highway follows the old Chicago, Burlington & Quincy right of way and 24 old limestone railroad culverts are to be restored and preserved at a fractional cost of rebuilding new.

Design No. 326, Winneshlek County, consists of a single 160'x20' Curved Chord riveted truss span on concrete abutments over Trout Run two miles east of Decorah.

Design No. 226, Wright County, is a triple 70'x20' Skew Pony Truss Bridge on concrete abutments and piers. This bridge crosses the Iowa River south of Belmont and takes out a bad reverse turn in the Wilson Highway.

Bridge Work on Primary Road System.

During 1926 detailed plans were prepared for 116 bridges and 1,173 culverts on the primary road system. Since March 8, 1921, the date when primary road funds were first made available for bridge and culvert construction on the primary road system, there have been approved 333 bridge projects with an estimated cost of \$9,714,500.00; detailed plans for 568 bridges and 7,793 culverts

have been prepared and a total of 694 contracts on 381 projects, totalling \$9,098,471.63 for the construction of 571 bridges and 8,096 culverts have been approved up to December 1, 1926.

Approval and Analysis of Designs Submitted.

During the past year the bridge department has checked the individual plans for 237 structures as submitted by county engineers or private engineers, and in addition has approved the detailed shop drawings for 128 structures estimated to cost \$655,800.00. Since April, 1913, the department has checked 3,790 designs, the cost of which was estimated at \$9,155,700.00. During the same period of time and in addition to the above a total of 1,503 shop drawings were checked for work estimated to cost \$5,590,300.00.

Field Work of Bridge Department.

This department, at the request of the counties, assists in determining the type and character of drainage structures and other preliminary work on large bridge projects. Examination of existing structures also necessitates a number of trips by members of the department, as does the shop inspection of fabricated material. Whenever possible, bridge problems of a special nature are handled through the district engineer's office, but occasionally problems arise which require the services of an engineer from the bridge department.

Bridge Plans for Secondary Roads.

During 1926 the Commission prepared plans for 59 bridges and 5 culverts located on the secondary system. These plans were prepared at the request of the various counties.

Approval of Contracts on Bridge Work. (Refer to Schedule No. 2.)

The Commission is required by statute to approve all contracts for bridges and culverts costing over \$2,000 and all private contracts in amounts of \$1,000 or more. These contracts as awarded by the boards of supervisors are submitted to the Commission and must be approved before they are valid as contracts. During 1926 a total of 297 contracts for bridge work were submitted for approval. Two hundred ninety-three contracts for work costing \$3,047,391.73 were approved. Four contracts for work costing \$32,416.06 were rejected. The tabulation below gives the summary and comparative

statement of the bridge contracts approved from April, 1913, to December 1, 1926.

Date of Report	Approved	Average Contract Amount	Total Amount Approved
Dec. 1, 1913-Nov. 3, 1914.....	121	7,771.00	731,893.58
Nov. 1, 1914-Dec. 1, 1915.....	172	7,880.00	1,037,090.15
Dec. 1, 1915-Dec. 1, 1916.....	208	9,050.00	2,043,303.47
Dec. 1, 1916-Dec. 1, 1917.....	197	10,802.00	2,128,238.53
Dec. 1, 1917-Dec. 1, 1918.....	159	10,725.00	1,769,797.85
Dec. 1, 1918-Dec. 1, 1919.....	228	12,628.00	2,870,305.68
Dec. 1, 1919-Dec. 1, 1920.....	198	17,947.00	3,553,586.64
Dec. 1, 1920-Dec. 1, 1921.....	259	14,883.00	3,854,702.14
Dec. 3, 1921-Dec. 1, 1922.....	295	12,248.00	3,588,912.31
Dec. 1, 1922-Dec. 1, 1923.....	259	12,725.00	3,170,970.03
Dec. 1, 1923-Dec. 1, 1924.....	344	10,970.00	2,602,876.78
Dec. 1, 1924-Dec. 1, 1925.....	297	10,822.00	3,214,506.86
Dec. 1, 1925-Dec. 1, 1926.....	293	10,400.00	3,047,391.73
Total.....	2,973		\$ 34,325,778.90

Approval of Material Contracts. (Refer to Schedule No. 3.)

Although approval by the Commission on material contracts awarded on the basis of bids received at a public letting, is not required by law, many of the counties voluntarily submit such contracts for review. During the period covered by this report a total of 43 material contracts were submitted for approval. Of these, 40 were approved and 3 were rejected.

Bridge and Material Lettings.

During 1926 the total estimated cost of bridge and culvert work included in lettings attended was \$3,442,557.28, which is a decrease of \$166,847.93 under 1925. The records kept by the Commission on lettings attended during 1926 cover in detail the letting data on 3,119 structures.

Prices on bridge and culvert materials have remained practically the same during the past year as those of the previous year. The same is true of construction prices. The volume of bridge and culvert construction in the state has decreased very slightly over that of 1925.

AVERAGE PRICES PAID FOR CORRUGATED CULVERTS IN 1924, 1925 AND 1926

Diameter	Price Per Lin. Ft. Less Carlots f. o. b. County						
	1924		1925		1926		
	Range in Price	Avg.	Range in Price	Avg.	Range in Price	Avg.	
12 in.....	\$0.52 to \$0.88	\$0.71	\$0.54 to \$0.64	\$0.596 to \$0.675	\$0.675	\$0.596 to \$0.675	\$0.696
15 in.....	.70 to 1.20	.90	.64 to 1.05	.729 to .80	1.08	.874	1.074
18 in.....	1.00 to 1.50	1.25	.92 to 1.37	1.053 to 1.12	1.33	1.269	1.369
24 in.....	1.40 to 2.12	1.98	1.34 to 2.12	1.419 to 1.90	2.12	1.710	2.170
30 in.....	2.40 to 3.37	2.87	1.83 to 3.38	2.525 to 2.80	3.19	2.922	3.192
36 in.....	2.80 to 4.33	3.53	2.39 to 4.23	3.056 to 3.36	4.28	3.575	4.285

AVERAGE PRICE PAID FOR STRUCTURAL STEEL IN 1925 AND 1926

Description	Price Per Cwt. Erected and f. o. b. County			
	1925		1926	
	Range in Price	Avg.	Range in Price	Avg.
T-Beams erected.....	\$2.47 to \$3.50	\$4.54	\$4.00 to \$5.90	\$4.627
F. O. B. county.....	3.94 to 3.75	3.50	2.584 to 4.15	3.626
Trusses erected.....	5.25 to 10.00	6.70	4.602 to 7.602	6.547
F. O. B. county.....	4.45 to 5.707	4.912	5.025 to 5.80	5.45

AVERAGE PRICE PAID FOR REINFORCING STEEL IN 1925 AND 1926

Description	Price Per Cwt. Stock Lengths CL. f. o. b. County			
	1925		1926	
	Range in Price	Avg.	Range in Price	Avg.
½ in. Round O. H. new billet stock.....	\$2.46 to \$3.145	\$2.788	\$2.46 to \$3.335	\$2.773
¾ in. Round O. H. new billet stock.....	2.45 to 3.046	2.889	2.45 to 3.045	2.600

AVERAGE PRICE PAID FOR LUMBER IN 1925 AND 1926

Size	Description	Price Per M. BM. CL. f. o. b. County			
		1925		1926	
		Range in Price	Avg.	Range in Price	Avg.
3x12	Stand. Sawed Doug. Fir.....	\$39.45 to \$40.75	\$35.04	\$30.50 to \$38.00	\$33.68
3x14	Stand. Sawed Doug. Fir.....	34.00 to 40.80	35.46	30.80 to 37.75	33.98
3x16	Stand. Sawed Doug. Fir.....	38.20 to 44.00	38.00	30.80 to 39.75	33.54
3x12	Full Sawed Doug. Fir.....	35.45 to 44.00	39.20	36.10 to 41.75	37.98
3x14	Full Sawed Doug. Fir.....	36.50 to 40.25	39.12	34.00 to 43.75	38.44
3x16	Full Sawed Doug. Fir.....	39.45 to 40.75	40.16	38.00 to 44.75	40.63
3x12	Stand. Sawed White Oak.....		39.25	40.50 to 50.50	45.50

AVERAGE PRICE PAID FOR PILING IN 1925 AND 1926

Length	Kind	Price Per Lin. Ft. Carlots f. o. b. County			
		1925		1926	
		Range in Price	Avg.	Range in Price	Avg.
16 ft.....	Red Cedar.....	\$0.1075 to \$0.3075	\$0.201	\$0.21 to \$0.33	\$0.25
30 ft.....	Red Cedar.....	.1075 to .37	.282	.21 to .34	.276
34 ft.....	Red Cedar.....	.205 to .395	.302	.26 to .37	.295
16 ft.....	Cypress.....	.16 to .355	.187	.15 to .25	.177
30 ft.....	Cypress.....	.16 to .3895	.189	.15 to .25	.192
34 ft.....	Cypress.....	.18 to .365	.263	.16 to .275	.201

AVERAGE PRICE PAID FOR CEMENT IN 1924, 1925 AND 1926

1924 dealer's net price per bbl. f. o. b. Cedar Rapids.
 Carlots range in price \$2.40 to \$2.48—Average \$2.43.
 1925 dealer's net price per bbl. f. o. b. Cedar Rapids.
 Carlots range in price \$2.30 to \$2.44—Average \$2.44.
 1926 dealer's net price per bbl. f. o. b. Cedar Rapids.
 Carlots range in price \$2.34 to \$2.44—Average \$2.385.

Railroad Crossing Improvements.

The policy of concentrating railroad crossing activities largely to the primary road system has been continued during the year 1926.

Below is given a comparative statement of the work accomplished on railroad crossing improvements from December 1, 1924, to December 1, 1926.

	1925	1926	Grand Total to Dec. 1, 1926
Projects surveyed	2	1	192
Projects for which plans and estimates were prepared	20	9	357
Number of conferences held	28	33	393
Number of projects satisfactorily adjusted	16	24	232
Number of projects appraised to Railroad Commission	4	8	66
Projects adjusted by Railroad Commission	0	8	45
Grade crossings eliminated by grade separation	13	14	100
Crossings improved	16	10	229

The crossing projects in the grand totals above include all the crossings that have been referred to the Commission since 1914. Many of these projects have been satisfactorily adjusted and completed.

From the foregoing tabulation it will be noted that the crossing work accomplished since 1914 is very small in comparison to the large number of crossings in this state.

As a general rule, crossing projects involving grade separations are adjusted on the basis of the railroad company building and maintaining the bridge structure and the remaining portion of the project being built and maintained by public funds. Under such a distribution of cost the public funds contribute amounts ranging from 40 per cent to 60 per cent of the total cost of improvement, the average being about 50 per cent of the total cost.

Crossings on Primary Road System.

The distribution of the various types of crossings existing on the primary road system when established in 1919 and as of December 1, 1926, both inside and outside of cities and towns, is shown as follows:

CROSSINGS ON PRIMARY ROAD SYSTEM OUTSIDE CITIES AND TOWNS

Type of Crossing	No. on System as Estab. in 1919	No. on System Dec. 1, 1926	Crossings Eliminated From Primary System			Grade Separations Constructed		
			Prior to 1926	During 1926	Total	1919 to 1926	During 1926	Total
Grade	680	350	270	20	290			
Overhead	15	51	1	1	2	22	6	28
Undergrade	28	60	1		1	30	3	33
New crossings		3						
Total	723	364	272	21	293	62	9	71

CROSSINGS ON PRIMARY ROAD SYSTEM—INSIDE TOWNS AND CITIES LESS THAN FIRST CLASS

Type of Crossing	No. on System as Estab. in 1919	No. on System Dec. 1, 1926	Crossings Eliminated From Primary System			Grade Separations Constructed		
			Prior to 1926	During 1926	Total	1919 to 1926	During 1926	Total
Grade	383	349	29	5	34			
Overhead	9	12				2	1	3
Undergrade	10	16		1	1	6	1	7
Total	402	377	29	6	35	8	2	10

When the primary road system was established in 1919 there were 1,063 grade, 24 overhead, and 38 undergrade, or a total of 1,125 crossings on the system as designated, exclusive of those within cities of the first class.

From 1919 to date a total of 328 crossings have been eliminated from the primary system through relocation and re-routing and 81 grade crossing separations constructed. This leaves a total of 739 grade, 63 overhead, 76 undergrade, and 3 new crossings on the primary road system on December 1, 1926, outside of cities of the first class, a total of 981 crossings.

It is the policy of the Commission to secure, if possible, the improvement of the crossings located on important highways and main line railroads as rapidly as practicable. Other improvements requiring a nominal expenditure will be given attention by the Commission, but the more important crossings will be given first consideration.

CHAPTER IV

Department of Road Administration

Projects Approved.

(a) *City-Primary Projects.* Refer to Schedule Number 4. Nine city projects involving the paving of 7,374 miles of primary road extensions within the limits of cities and towns, were approved by the Commission. The total estimated cost of these nine projects, for which plans, specifications and estimates were approved, is \$376,324.76, and the amount to be paid from the Primary Road Fund is \$140,579.17.

(b) *Secondary-Primary Road Projects.* Refer to Schedule Number 5. Fifty-three projects in fourteen counties have been approved at an estimated cost of \$579,720.35, for the improvement of 324.88 miles of secondary roads under the provisions of Section 4737, Chapter 241, Code of 1924, whereby Primary Road Funds may be used on secondary roads after the primary road system is fully improved by grading, draining and graveling or other approved surfacing. Of these fifty-three projects, twenty-three involve the grading only of 147.94 miles, three involve the grading and graveling of 17.79 miles, and twenty-seven involve the graveling and necessary drainage on 159.15 miles.

Plans, Specifications and Estimates Submitted.

(a) *Federal Aid Projects.* Refer to Schedule Number 6. Plans, specifications and estimates have been submitted to the Bureau of Public Roads for ninety projects, involving the improvement of 671.91 miles of road at an estimated cost of \$10,233,592.60. Twenty-three of these projects contemplate the hard surfacing of 201.54 miles, twenty-five projects contemplate the gravel surfacing of 273.77 miles, while the improvement contemplated on 196.60 miles remaining consists of constructing to finished grade and providing the necessary drainage structures, with no surfacing involved.

(b) *Primary Road Projects.* Refer to Schedule Number 7. Plans, specifications and estimates have been submitted to the Boards of Supervisors for seventy projects involving the improvement of 341.23 miles of road at an estimated cost of \$1,525,577.72. Two of these projects involve the hard surfacing of 2.35 miles,

forty-seven projects involve the gravel surfacing of 243.23 miles, while the improvement involved on the remaining 95.65 miles consists in constructing to finished grades and providing the necessary drainage structures with no surfacing included.

Project Agreements Executed. (Refer to Schedule Number 8.)

Project agreements were executed by the Secretary of Agriculture and the State Highway Commission, whereby \$4,193,209.32 of Federal Aid funds were set aside as the Federal Government's share of the cost of construction involved in ninety-nine projects. The work contemplated in these projects involves the improvement of 738.39 miles, including 17.86 miles not carried in "Total Miles" column of the schedule, 136.63 miles including hard surfacing, 322.47 miles involving gravel surfacing, and the remaining 279.29 miles including constructing to finished grade and providing the necessary drainage structures, with no surfacing involved.

Contracts Awarded and Contracts Approved. Refer to Schedules Number 9, 10, and 11.

Lettings held in ninety-two counties on 256 projects have resulted in the awarding of 386 contracts. Of these, 311 contracts covered work on the primary road system, 8 covered work on extensions of primary roads within cities, and 67 covered work on the secondary road system on which primary road funds were allotted. Of the 311 contracts on the primary road system, 309 contracts totalling \$9,090,670.24 have been approved, and two contracts amounting to \$98,823.95 were disapproved. Of the 8 contracts covering work on extensions of primary roads within cities all were approved, totalling \$261,555.30. Sixty-seven contracts amounting to \$487,771.59, covering work on the secondary system, have been approved. The 309 contracts approved for work on the primary road system include constructing to finished grade and draining 456.37 miles, gravel surfacing 530.77 miles, and hard-surfacing with grading and draining incidental thereto 215.44 miles. The eight approved contracts for work on extensions of primary roads within cities involve the hard surfacing of 6.53 miles.

Schedule Number 9 gives information as to the name of contractor, total amount of contract, and action on same by the Commission, on all contracts for work on the primary road system. Schedule Number 10 gives the same information with reference to work on projects that are located on extensions of primary roads

within cities. Schedule Number 11 gives the same information for work on the secondary system, to which primary road funds have been allotted. Average prices for work awarded on the primary road system are as follows:

The contracts for building roads to established grade on the primary road system, with no hard-surfacing in connection therewith, involves moving 7,489,917 cubic yards of earth excavation at an average price of 23.168c per cubic yard.

Channel changes, approach excavation and cross road excavation in connection with primary road construction, involve 478,392 cubic yards of earth excavation at an average price of 29.86c per cubic yard.

Excavation work in connection with paving projects on the primary road system involve moving 856,925 cubic yards of earth at an average price of 46.34c per cubic yard.

The gravel surfacing work on the primary road system involves screening, loading, hauling one mile and spreading 410,275 cubic yards of gravel at an average price of 39.72c per cubic yard, while the average price on 3,217,872 units of additional half mile haul was 7.85c per unit. The average price on 203,167 cubic yards of gravel including both material and labor complete on road, was \$2.273 per cubic yard.

The average price on 149,692 lin. ft. of 6" tile drain complete was 11.73c per lin. ft.

The average price on 2,312,967 sq. yd. of concrete pavement on the primary road system was \$2.2457 per sq. yd.

For work awarded on the secondary system to which primary road funds were allotted, the following average prices obtained:

991,847 cubic yards of earth excavation at an average price of 24.44c per cubic yard; 246,466 cubic yards of gravel, load, haul one mile and spread, at 35.897c per cubic yard; 1,448,656 units of gravel additional half mile haul at 7.34c per unit, and 29,150 lin. ft. of 6" tile drain at 10.60c per lin. ft.

Secondary Road Contracts Approved.

(c) *County Work Aside from Secondary Districts.* Refer to Schedule Number 12. 101 contracts, amounting to \$963,034.74 have been approved for secondary road work aside from contracts in connection with secondary road districts. One contract in the sum of \$3,960.00 was not approved.

(b) *Secondary Road District Contracts.* Refer to Schedule

Number 13. Contracts on ninety districts, amounting to \$368,753.30 have been approved for work in connection with secondary graveling districts.

SCHEDULE NO. 4

CITY-PRIMARY PROJECTS APPROVED BY HIGHWAY COMMISSION DECEMBER 1, 1925 TO DECEMBER 1, 1926

City	Project No.	Length of Paving	Distribution of Cost			Estimated Cost
			Special Assessment	City Funds	Primary Road Funds	
Sigourney.....	C-39	1,248		\$ 38,243.00	\$ 19,000.00	\$ 57,243.00
Bedford.....	C-40	0,878	\$ 12,300.00	7,000.00	19,500.00	39,000.00
West Branch.....	C-41	0,809	39,529.36		5,851.00	45,510.36
Centerville.....	C-42	0,665	10,869.00		10,500.00	21,369.00
Vinton.....	C-43	0,856	10,802.50	500.00	11,302.50	22,605.00
Sioux Center.....	C-44	1,070	33,270.00	2,000.00	35,270.00	70,540.00
Oxford.....	C-45	0,360	19,537.00	1,075.00	2,900.00	23,732.00
Des Moines.....	C-46	0,488	19,345.00	2,554.40	12,779.40	25,568.80
Eddyville.....	C-47	1,000	47,309.33		19,380.66	66,789.99
Sigourney.....	C-37		*	*	4,985.61	4,985.61
Total.....	9	7,374	\$181,203.10	\$ 51,352.40	\$ 140,579.17	\$ 376,324.76

*Additional appropriation.

SCHEDULE NO. 5

SECONDARY-PRIMARY PROJECTS APPROVED BY HIGHWAY COMMISSION
DECEMBER 1, 1925 TO DECEMBER 1, 1926

County	Project Number	Length in Miles			Estimated Cost
		Grading	Graveling	Total	
Buena Vista	S-77	8.00		8.00	\$ 15,180.00
Buena Vista	S-78	8.00		8.00	8,250.00
Buena Vista	S-82		1.50	1.50	2,343.92
Buena Vista	S-83	9.00		9.00	7,902.08
Buena Vista	S-84		4.00	4.00	4,286.70
Buena Vista	S-85		4.00	4.00	4,023.30
Buena Vista	S-86		3.00	3.00	3,077.54
Buena Vista	S-87		0.50	0.50	2,025.56
Buena Vista	S-88		3.00	3.00	1,846.55
Buena Vista	S-89		2.00	2.00	2,311.85
Calhoun	S-72		12.00	12.00	12,961.97
Calhoun	S-73	1.94		1.94	6,084.37
Calhoun	S-90	7.50		7.50	2,502.50
Clay	S-100		3.50	3.50	1,950.50
Clay	S-94	9.50		9.50	22,004.90
Dickinson	S-107		8.00	8.00	7,169.83
Dickinson	S-108		3.00	3.00	3,374.25
Dickinson	S-109		5.00	5.00	9,402.91
Emmet	S-35		5.70	5.70	6,026.81
Emmet	S-38	6.00		6.00	12,026.82
Emmet	S-97		4.00	4.00	1,782.00
Emmet	S-98		4.00	4.00	3,051.00
Franklin	S-99		5.00	5.00	30,527.20
Franklin	S-40		5.00	5.00	17,120.00
Humboldt	S-80	7.00		7.00	11,550.00
Humboldt	S-81	8.00		8.00	13,200.00
Humboldt	S-82	3.00		3.00	5,742.00
Kossuth	S-64		3.25	3.25	9,379.00
Kossuth	S-65	8.00		8.00	15,215.00
Kossuth	S-66	6.00		6.00	13,809.00
Kossuth	S-67		17.00	17.00	30,827.04
Lyon	S-74		6.50	6.50	7,072.83
Lyon	S-75	5.00		5.00	10,725.00
Lyon	S-76	6.50		6.50	11,600.00
Lyon	S-100	5.50		5.50	13,322.00
Lyon	S-102	6.14		6.14	15,089.30
Lyon	S-111	7.00		7.00	15,400.00
Marshall	S-95		1.00	1.00	14,113.00
Marshall	S-91	2.29		2.29	6,821.15
Marshall	S-92	10.22		10.22	26,187.74
Marshall	S-93	10.29		10.29	32,392.21
Marshall	S-94	3.50		3.50	8,579.50
Osceola	S-23		13.75	13.75	27,500.00
Osceola	S-70	12.50		12.50	26,753.38
Osceola	S-95		4.00	4.00	4,048.00
Pocahontas	S-90		18.00	18.00	23,924.45
Pocahontas	S-101		3.00	3.00	2,327.17
Sac	S-103		4.50	4.50	4,805.62
Sac	S-104		6.00	6.00	6,569.25
Sac	S-105		5.50	5.50	4,063.12
Sioux	S-60	2.50		2.50	9,143.75
Total	50	165.73	176.94	324.88	\$ 779,120.35

SCHEDULE NO. 8

PROJECT AGREEMENTS EXECUTED BY SECRETARY OF AGRICULTURE
DECEMBER 1, 1925 TO DECEMBER 1, 1926

County	Project Number	Length in Miles				Estimated Cost	Federal Aid Allotted
		Grade	Gravel	Pave	Total		
Adams	227	6.10			6.10	\$ 75,349.64	\$ 37,000.00
Adams	227					40,218.43	20,100.00
Alamakee	179		13.98		13.98	73,071.02	36,480.00
Alamakee	197	7.83			7.83	28,218.85	19,100.00
Appanoose	27			7.09	7.09	245,148.07	98,867.92
Appanoose	239-A	4.50			4.50	29,952.89	12,450.00
Appanoose	239-B					14,059.50	7,609.75
Audubon	52-A	6.78			6.78	53,206.20	26,609.00
Benton	233			10.14	10.14	270,445.45	15,216.97
Benton	251	0.94			0.94	87,035.08	43,500.00
Benton	238	0.58			0.58	6,551.32	2,000.00
Benton	263					20,289.61	10,100.00
Benton	278	11.07			11.07	59,442.79	29,700.00
Benton	280	2.54			2.54	17,849.81	8,900.00
Butler	274-AB	5.69			5.69	37,379.00	18,600.00
Butler	274-C	0.30			0.30	8,397.51	4,100.00
Butler	274-D					90,511.37	13,500.00
Carroll	154					50,799.74	25,370.00
Cass	44-EFG	3.33			3.33	43,940.40	21,900.00
Cedar	213					15,879.68	7,900.00
Clarke	214-AB					17,160.00	8,580.00
Clarke	33-B	0.57			0.57	3,890.70	3,900.00
Clayton	156-AC		14.41		14.41	28,518.94	14,100.00
Clayton	166					14,179.33	7,100.00
Crawford	232-A	8.02			8.02	39,586.02	44,700.00
Crawford	232-B	0.65			0.65	10,986.57	6,700.00
Crawford	232-DE					79,524.50	39,762.25
Crawford	232-C					34,790.76	17,390.00
Crawford	257	8.03			8.03	70,889.50	35,400.00
Crawford	287					30,242.06	15,100.00
Davis	50		10.32		10.32	42,180.16	21,060.00
Des Moines	282	8.34		8.34	8.34	285,547.87	125,100.00
Dubuque	17		22.37		22.37	100,335.33	50,100.00
Dubuque	148	15.18		15.18	15.18	499,152.29	227,600.00
Fayette	154		8.56		8.56	17,043.29	8,500.00
Floyd	271	3.49			3.49	15,346.96	6,200.00
Floyd	279	8.90			8.90	41,756.00	20,800.00
Floyd	279-B					11,285.01	5,600.00
Franklin	212-BC	0.31	0.31		0.31	22,234.00	11,100.00
Franklin	231	13.14			13.14	211,758.98	105,800.00
Grundy	266-A	4.88			4.88	29,027.18	14,500.00
Grundy	266-B					11,721.82	5,800.00
Guthrie	179		7.16		7.16	16,424.85	8,180.00
Harrison	138					136,557.50	68,280.00
Harrison	214					14,711.00	7,347.61
Howard	31-B					9,045.62	4,500.00
Ia	218		8.16		8.16	25,242.14	12,600.00
Ia	286	4.01			4.01	31,791.84	10,800.00
Iowa	90		29.25		29.25	92,287.07	47,000.00
Iowa	214-ABD	5.45			5.45	85,879.77	42,700.00
Iowa	244-C					24,844.60	12,422.30
Iowa	344-E					19,378.77	9,500.00
Jackson	21		15.46		15.46	68,807.74	34,300.00
Jackson	143-B					41,324.30	20,662.15
Jasper	64-CD		10.00		10.00	222,786.00	107,662.17
Jasper	64-EFGH					21,418.35	10,700.00
Jefferson	3		9.13		9.13	290,571.28	124,792.56
Jefferson	294	3.06		3.06	3.06	98,792.29	49,346.00
Johnson	280	13.49			13.49	448,854.82	224,427.41
Jones	80-C		9.44		9.44	24,052.60	12,000.00
Jones	162-A		7.61		7.61	16,082.16	8,225.00
Jones	162-B		7.64		7.64	19,449.48	9,700.00

SCHEDULE NO. 8—Continued

County	Project Number	Length in Miles			Estimated Cost	Federal Aid Allotted	
		Grade	Gravel	Pave			Total
Jones	234-B	3.69			23,585.45	12,700.00	
Jones	234-C				12,307.68	6,153.84	
Keokuk	34-B				14,722.40	7,300.00	
Keokuk	34		11.63		53,411.23	26,690.00	
Keokuk	188	6.09			47,949.72	23,500.00	
Keokuk	182-B				16,383.73	8,150.00	
Lee	277	6.05			55,156.42	27,500.00	
Lee	277-B				10,568.25	5,300.00	
Linn	224	11.46		11.46	45,756.94	5,097.45	
Linn	225			6.02	221,719.03	74,995.00	
Linn	229-II				39,859.57	18,400.00	
Linn	229-I	2.68			20,494.67	10,200.00	
Linn	229-J				7,017.67	3,500.00	
Linn	239-CD	4.75		4.75	38,776.43	19,250.00	
Linn	239-B				9,916.39	4,900.00	
Linn	239-A				14,818.77	7,375.00	
Linn	255-A	7.74		7.74	46,041.49	23,000.00	
Linn	255-B				29,061.96	14,500.00	
Linn	264-AB	5.87		5.87	75,692.73	37,740.00	
Linn	63-B	4.37		4.37	51,339.53	25,600.00	
Lucas	223	4.33		4.33	96,285.28	48,000.00	
Lucas	222-AB	1.43		1.43	43,139.09	21,550.00	
Madison	236	5.30		5.30	42,973.38	21,400.00	
Madaska	70-E	2.99		2.99	12,874.50	6,400.00	
Madaska	70-A	5.99		5.98	48,377.28	29,961.25	
Madaska	70-B	12.81		12.81	422,403.40	175,400.00	
Madaska	146		3.59	3.59	117,212.17	48,066.70	
Madaska	243	2.74		2.74	91,333.57	41,100.00	
Marion	253-AB	7.75		7.75	90,777.28	45,300.00	
Marion	209	12.92		12.92	61,089.23	30,800.00	
Mills	239	7.78		7.78	74,657.22	36,900.00	
Monona	184	25.10		25.10	121,861.95	60,615.17	
Monona	201	3.56		3.56	32,824.11	16,400.00	
Monona	201-B				29,860.18	10,400.00	
Monroe	240-A	4.12		4.12	30,186.29	20,000.00	
Monroe	240-B	5.70		5.70	43,856.47	21,900.00	
Montgomery	238-AB	7.01		7.01	114,804.38	57,400.00	
Muscatine	87-A		10.83	10.83	61,081.94	30,000.00	
O'Brien	247	4.99		4.99	10,128.15	9,500.00	
Plymouth	85-ABCD		10.18	10.18	289,738.39	138,833.47	
Plymouth	273	6.48		6.48	208,928.86	104,500.00	
Plymouth	276		7.28	7.28	19,291.25	9,600.00	
Pottawattamie	280-A	4.59		4.59	56,535.53	28,000.00	
Scott	243	8.43		8.43	247,667.45	126,400.00	
Sioux	281-A				14,506.69	7,200.00	
Sioux	269				5,381.75	2,600.00	
Tama	257	6.21		6.21	70,725.23	35,300.00	
Union	85-II	3.78		3.78	42,549.19	21,200.00	
Union	88-BDCJ		8.13	8.13	22,321.50	11,100.00	
Van Buren	222	14.47		14.47	164,090.32	82,000.00	
Wapello	159		8.56	8.56	222,599.32	115,692.86	
Warren	11				13,123.00	6,561.50	
Warren	265	0.42	6.20		27,628.25	18,800.00	
Washington	167-A		7.01	7.01	35,682.90	17,800.00	
Wayne	237	9.34		9.34	144,214.40	72,080.00	
Webster	270	2.32	7.37		47,657.17	23,700.00	
Webster	272	4.02		4.02	11,545.13	5,800.00	
Winnebuck	98-A		6.58	6.58	23,988.41	11,900.00	
Winnebuck	98-C		6.25	6.25	22,218.18	11,100.00	
Winnebuck	98-EF	1.60		1.60	50,945.45	25,400.00	
Woodbury	284				11.00	28,000.00	
Woodbury	245-AB	6.85		6.85	78,556.97	38,800.00	
Woodbury	254-AB	7.11		7.11	68,968.40	34,450.00	
Woodbury	254-C				31,348.79	15,600.00	
Worth	268-A				20,773.23	10,300.00	
Wright	267-A	11.38		11.38	38,415.08	19,200.00	
Total	90	346.06	322.47	136.63	721.53	89,254,450.66	44,198,209.32

*Revised agreements—Increase or decrease.
†Drainage structures.

SCHEDULE NO. 12
SECONDARY ROAD CONTRACTS APPROVED AFTER FROM SECONDARY ROAD DISTRICT CONTRACTS AND SECONDARY-PRIMARY PROJECT CONTRACTS DECEMBER 1, 1925 TO DECEMBER 1, 1928

County	Contractor	Description of Work	Amount of Contract	Action by Commission	Date
Black Hawk	Alex Eltzwald	Tile drains	2,603.46	Approved	6-16-28
Black Hawk	Dunkel Construction Co.	Excavation	3,474.39	Approved	7-9-28
Black Hawk	Chas. Thompson	Graveling	3,174.38	Approved	7-9-28
Black Hawk	Wise Bros.	Excavation	3,318.00	Approved	7-9-28
Black Hawk	Alex Eltzwald	Excavation	5,889.55	Approved	8-21-28
Black Hawk	Alex Eltzwald	Guard rail	1,234.10	Approved	9-27-28
Buchanan	R. Nelson	Graveling	3,715.09	Approved	10-11-28
Bremer	C. R. Thompson	Graveling	2,443.50	Approved	5-29-29
Buena Vista	Sampson Bros. Const. Co.	Graveling	6,729.55	Approved	5-17-25
Carroll	J. H. Heldt	Graveling	4,289.00	Approved	4-23-29
Carroll	N. E. Hendricks	Graveling	4,992.89	Approved	4-29-29
Carroll	N. E. Hendricks	Graveling	7,238.50	Approved	4-16-29
Cass	F. Ehen	Excavation	6,747.66	Approved	6-7-30
Cerro Gordo	L. O. Kimball	Excavation	20,281.50	Approved	6-27-26
Cerro Gordo	Sampson Bros. Const. Co.	Excavation	7,657.50	Approved	7-23-29
Cerro Gordo	Sampson Bros. Const. Co.	Graveling	11,035.00	Approved	7-23-29
Cherokee	C. P. Bickel & Sons	Excavation	3,794.50	Approved	5-14-28
Cherokee	Seothorn & Hartzell	Excavation	3,229.65	Approved	0-18-29
Cherokee	W. H. McDaniel	Excavation	6,987.41	Approved	9-18-29
Clayton	Tim Ryan & Sons	Excavation	6,188.00	Approved	9-21-29
Clinton	Louis Schade	Graveling	19,325.44	Approved	6-29-26
Clinton	F. G. Benzenhur	Graveling	29,321.00	Approved	8-13-26
Crawford	Pickus Construction Co.	Excavation	25,449.29	Approved	8-27-26
Dubuque	Clubb & Foley	Excavation	5,888.30	Approved	5-11-26
Dubuque	A. E. Runley	Graveling	5,888.30	Approved	7-20-26
Dubuque	A. E. Runley	Graveling	5,888.30	Approved	7-20-26
Floyd	Oscar Ehling	Graveling	3,060.00	Approved	6-21-26
Franklin	Boyer Construction Co.	Excavation	2,063.55	Approved	6-28-29
Greene	N. E. Hendricks	Graveling	637.50	Approved	7-20-26
Greene	M. M. Munson	Graveling	545.50	Approved	7-21-26

SCHEDULE NO. 12--Continued

County	Contractor	Description of Work	Amount of Contract	Action by Commission	Date
Grundy	Wilder & Wilder	Graveling	33,715.34	Approved	5-31-36
Grundy	W. W. Burman	Excavation	3,682.50	Approved	6-12-36
Grundy	Feed & Son	Excavation	7,088.80	Approved	6-12-36
Grundy	Carl Carlson	Tile drains	1,728.30	Approved	7-12-36
Grundy	McShipp	Excavation	2,456.00	Approved	7-12-36
Hamilton	Wilder & Wilder	Graveling	11,506.10	Approved	2-6-36
Hardin	Woods & Co.	Excavation	14,115.25	Approved	2-6-36
Humboldt	C. F. Betz	Excavation	1,631.25	Approved	5-31-36
Humboldt	Helff & Co.	Graveling	3,719.00	Approved	6-9-36
Humboldt	M. O. Weaver	Graveling	3,430.00	Approved	6-9-36
Iowa	Hadjan & Co.	Graveling	13,185.50	Approved	7-16-36
Jackson	R. T. Osman	Excavation	9,029.00	Approved	7-23-36
Johnson	Wm. Bowman	Excavation	2,600.00	Approved	6-13-36
Johnson	Wm. Bowman	Excavation	2,600.00	Approved	6-13-36
Johnson	W. A. Moore	Excavation	14,496.30	Approved	5-2-36
Johnson	Harry Porter	Excavation	2,720.00	Approved	5-2-36
Jones	W. H. McDaniel	Graveling	3,900.00	Rejected	6-9-36
Kossuth	Samson Bros. Const. Co.	Graveling	3,472.50	Approved	5-31-36
Kossuth	Mc & Nelson	Graveling	2,600.00	Approved	5-31-36
Linn	T. M. Carnall	Graveling	4,800.75	Approved	5-2-36
Linn	T. M. Carnall	Graveling	9,122.16	Approved	5-2-36
Linn	Dangerone Bros.	Excavation	84,723.17	Approved	7-12-36
Linn	Dangerone Bros.	Excavation	11,525.56	Approved	7-12-36
Linn	G. H. Lowe	Excavation	15,537.75	Approved	8-6-36
Linn	A. J. Fieckenstein	Graveling	37,469.75	Approved	8-6-36
Linn	G. B. Shaler	Excavation	37,469.75	Approved	9-11-36
Linn	Gorrett & Sons	Excavation	10,500.00	Approved	9-11-36
Linn	J. H. Miller & Son	Excavation	20,030.00	Approved	9-11-36
Linn	Foley Bros.	Excavation	33,834.00	Approved	10-1-36
Lyon	Vander Schaaf & Vander Stouwe	Graveling	655.00	Approved	6-4-36
Madison	Iowa Sand & Gravel Co.	Graveling	15,313.50	Approved	9-4-36
Marshall	Peck Construction Co.	Excavation	9,874.20	Approved	12-1-35
					2-1-36

Marshall	Moore & Ehrholz	Graveling	2,264.45	Approved	8-24-36
Marshall	Green & Son	Excavation	2,600.00	Approved	5-24-36
O'Brien	Sioux Construction Co.	Excavation	15,619.13	Approved	7-12-36
O'Brien	Gerrit Vander Molen	Gravel material	1,500.00	Approved	7-26-36
Ossola	O'Halloran & Kelly	Excavation	1,500.00	Approved	7-26-36
Palo Alto	Brevton & Busck	Excavation	3,551.40	Approved	7-9-36
Palo Alto	W. W. Codner	Graveling	10,882.00	Approved	6-4-36
Plymouth	Lynch-Binehart Co.	Tile drains	1,871.50	Approved	8-9-36
Pocahontas	W. W. Codner	Graveling	3,407.70	Approved	11-15-36
Pocahontas	W. W. Codner	Tile drains	6,708.00	Approved	4-16-36
Pocahontas	J. W. Donnelly	Graveling	4,518.00	Approved	6-21-36
Scott	Nelson & Sauer	Excavation	3,891.50	Approved	0-14-36
Scott	John West	Excavation	7,719.30	Approved	4-26-36
Scott	W. H. McDaniel	Excavation	2,500.00	Approved	5-20-36
Sioux	G. W. Ondon	Excavation	5,634.15	Approved	8-21-36
Tama	Lo C. Wood & Co.	Excavation	22,800.00	Approved	9-27-36
Tama	Frank McCoy	Excavation	5,288.22	Approved	10-2-36
Webster	W. H. Duffey	Excavation	11,652.54	Approved	3-15-36
Woodbury	Lynch-Binehart Co.	Graveling	5,234.75	Approved	6-4-36
Woodbury	Peter Embleitson	Excavation	7,259.48	Approved	7-26-36
Woodbury	Lynch-Binehart Co.	Graveling	27,880.27	Approved	7-26-36
Woodbury	C. F. Betz	Excavation	22,637.52	Approved	7-26-36
Woodbury	Pegan & Sons	Excavation	14,239.36	Approved	7-12-36
Woodbury	Chas. Bayers	Excavation	14,239.36	Approved	7-12-36
Wright	Chas. Bayers	Graveling	21,469.39	Approved	8-26-36

Total Contracts approved--101.

Amount--\$683,624.74.

Total Contracts disapproved--1.

Amount--\$1,561.00.

SCHEDULE NO. 13

SECONDARY ROAD DISTRICT CONTRACTS APPROVED BY HIGHWAY COMMISSION
DECEMBER 1, 1925 TO DECEMBER 31, 1926

County	District No.	Contractor	Description of Work	Amount of Contract	Action by Commission	Date
Boone	13	Ray Cook	Graveling	1,612.50	Approved	7-15-26
Boone	54	Mike Munson	Graveling	3,765.00	Approved	6-4-26
Boone	62	Mike Munson	Graveling	1,625.00	Approved	6-4-26
Boone	70	F. G. Bennethum	Graveling	2,041.50	Approved	7-2-26
Boone	73	M. O. Weaver	Graveling	1,527.50	Approved	6-1-26
Boone	75	M. O. Weaver	Graveling	4,336.50	Approved	6-1-26
Boone	81	F. G. Bennethum	Graveling	5,689.50	Approved	7-2-26
Boone	95	F. G. Bennethum	Graveling	9,519.75	Approved	7-2-26
Boone	100	M. O. Weaver	Graveling	3,327.00	Approved	6-1-26
Boone	101	M. O. Weaver	Graveling	5,401.50	Approved	6-1-26
Boone	102	Mike Munson	Graveling	1,875.00	Approved	6-1-26
Boone	103	Ray Cook	Graveling	3,471.00	Approved	7-16-26
Boone	37-108	Ray Cook	Graveling	4,283.50	Approved	7-16-26
Boone	109	Ray Cook	Graveling	1,928.50	Approved	7-16-26
Boone	113	Mike Munson	Graveling	708.50	Approved	6-1-26
Boone	Various	O. C. Melohn	Graveling	28,876.13	Approved	8-13-26
Calhoun	49	A. B. Eno	Graveling	4,854.00	Approved	7-30-26
Calhoun	71	A. R. Tno.	Graveling	4,945.00	Approved	9-7-26
Clay	51	A. B. Tepell	Graveling	2,808.00	Approved	6-28-26
Clay	54	A. B. Tepell	Graveling	1,800.00	Approved	6-28-26
Clay	60	A. B. Tepell	Graveling	3,446.00	Approved	6-28-26
Clay	64	A. B. Tepell	Graveling	2,610.00	Approved	6-28-26
Clay	82	A. B. Tepell	Graveling	2,133.00	Approved	6-28-26
Clay	86	A. B. Tepell	Graveling	1,770.00	Approved	6-28-26
Clay	89	A. B. Tepell	Graveling	3,510.00	Approved	6-28-26
Clay	90	A. B. Tepell	Graveling	1,022.00	Approved	6-28-26
Clay	94	A. B. Tepell	Graveling	1,653.00	Approved	6-28-26
Clay	94	A. B. Tepell	Graveling	774.00	Approved	6-28-26
Clay	103	A. B. Tepell	Graveling	1,980.00	Approved	6-28-26
Clay	105	A. B. Tepell	Graveling	2,016.00	Approved	6-28-26
Clay	116	A. B. Tepell	Graveling	613.00	Approved	6-28-26
Dallas	24	Howard Moody	Graveling	2,094.00	Approved	9-29-26
Dallas	57	Mike Munson	Graveling	4,896.15	Approved	7-30-26
Dallas	59	Howard Moody	Graveling	3,707.16	Approved	8-28-26
Dallas	60	Howard Moody	Graveling	11,811.59	Approved	9-29-26
Emmet	6	Huff & Wuff	Graveling	4,170.00	Approved	9-7-26
Emmet	7	Huff & Wuff	Graveling	1,365.00	Approved	9-7-26
Emmet	38	Huff & Wuff	Graveling	9,530.00	Approved	9-7-26
Emmet	39	Huff & Wuff	Graveling	1,939.00	Approved	9-7-26
Floyd	4	Moe & Nelson	Graveling	5,226.00	Approved	3-15-26
Franklin	27	Chas. L. Yost	Graveling	3,607.50	Approved	11-5-26
Franklin	30	Moe & Nelson	Graveling	4,572.44	Approved	9-27-26
Franklin	31	Chas. L. Yost	Graveling	2,032.00	Approved	11-5-26
Hancock	9	A. J. Fleckenstein	Graveling	12,000.00	Approved	5-17-26
Hancock	10	A. J. Fleckenstein	Graveling	13,515.00	Approved	5-17-26
Humboldt	8	J. H. Heldt & Co.	Graveling	4,248.00	Approved	6-9-26
Humboldt	10	M. O. Weaver	Graveling	11,913.50	Approved	7-13-26
Humboldt	15	M. O. Weaver	Graveling	3,728.00	Approved	10-4-26
Kossuth	25	Moe & Nelson	Graveling	4,300.00	Approved	6-31-26
Kossuth	48	J. W. Donnelly	Graveling	6,887.50	Approved	6-4-26
Kossuth	58	M. O. Weaver	Graveling	7,550.40	Approved	5-31-26
Kossuth	60	Moe & Nelson	Graveling	1,911.03	Approved	5-31-26
Kossuth	72	Sampson Const. Co.	Graveling	4,580.25	Approved	6-4-26
Kossuth	75	J. W. Donnelly	Graveling	850.00	Approved	6-4-26
Linn	4	Chas. Byers	Graveling	4,906.25	Approved	10-18-26
Linn	5	DeWees Bros.	Graveling	4,551.00	Approved	7-29-26
Linn	6	DeWees & Whitney	Stone surfacing	5,292.25	Approved	7-29-26
Lyon	16	J. H. Heldt	Graveling	5,479.50	Approved	5-3-26
Marshall	14	Moore & Eldridge	Graveling	3,003.00	Approved	11-13-26
Marshall	14	Rena Hawkins	Gravel material	1,539.00	Approved	11-15-26
O'Brien	2	Van & Van	Graveling	5,786.85	Approved	10-2-26
Palo Alto	42	Bretton & Bauck	Graveling	5,350.00	Approved	7-26-26
Palo Alto	42	Bretton & Bauck	Graveling	645.00	Approved	7-26-26
Palo Alto	43	Bretton & Bauck	Graveling	1,115.00	Approved	7-26-26
Palo Alto	45	Bretton & Bauck	Graveling	2,800.00	Approved	7-26-26
Palo Alto	46	Bretton & Bauck	Graveling	2,040.00	Approved	7-26-26
Palo Alto	47	Bretton & Bauck	Graveling	2,155.00	Approved	7-26-26
Palo Alto	48	Bretton & Bauck	Graveling	785.00	Approved	7-26-26
Sac	20	Herman Miller	Graveling	4,654.40	Approved	5-17-26
Sac	21	Herman Miller	Graveling	5,982.50	Approved	5-17-26
Sac	22	Herman Miller	Graveling	4,681.25	Approved	5-17-26
Story	13	Moore & Eldridge	Graveling	19,480.25	Approved	6-9-26
Story	45	Moore & Eldridge	Graveling	8,036.00	Approved	5-24-26
Story	47	Moore & Eldridge	Graveling	898.00	Approved	4-30-26
Webster	1	H. R. Maudlin	Graveling	1,637.50	Approved	5-3-26
Webster	2	H. R. Maudlin	Graveling	3,705.00	Approved	5-3-26
Webster	2	H. R. Maudlin	Graveling	4,106.00	Approved	6-21-26
Webster	2	H. R. Maudlin	Graveling	2,304.25	Approved	8-3-26
Webster	2	H. R. Maudlin	Graveling	19,110.25	Approved	5-3-26
Winnebago	2	Joseph Bouska	Graveling	4,947.44	Approved	6-14-26

Total Number of Contracts Approved—81. Total Amount of Contracts—\$268,753.30.

CHAPTER V

Department of Road Design

The Department of Road Design is responsible for the surveys, plans and estimates required for grading, tiling and surfacing the primary road system, for checking and approving plans for primary-secondary projects, for the preparation of standard plans for the various details of construction, and for reconnaissances and cost estimates of possible alternate locations. To accomplish these duties, the department sends out permanent and temporary survey parties, the latter recruited from construction employees after the close of the construction season, organizes the groups of draftsmen, constituting the road drafting squads, and has supervision over the work of the Women's Drafting Division.

In 1926 the work of the department was somewhat heavier than in 1925, due principally to the increase in proposed construction mileage authorized by bond elections in a number of counties.

Surveys.

Between December 1, 1925, and November 30, 1926, surveys were completed over 59 projects totalling 348.7 miles. Schedule No. 14 gives a list of the completed projects by counties. These surveys were the work of two permanent seven-man parties employed continuously and eleven temporary four-man parties who worked on surveys from two to seven weeks.

Prior to December 1, 1925, a total survey mileage of 5,722 miles of all classes of surveys had been completed. Adding to this the mileage for 1926 brings the grand total of completed survey mileage to the figure of 6,071 miles. This mileage includes surveys on alternate routes which were later abandoned, river crossing and railroad crossing topographic surveys and re-surveys of old projects made necessary by the construction of further improvements, principally surfacing. Therefore it will be noted that the total survey mileage does not represent a similar mileage of established primary road.

Counties in Which Preliminary Surveys Are Completed.

Schedule No. 17 shows a list of counties in which preliminary primary road surveys have been completed. It should be understood that additional surveys in these counties may from time to time be needed because of additions to or changes in the primary system or because of the need of further improvements or reconstruction.

Plans.

The preparation of primary road plans is handled by the permanent road drafting force at Ames, with some assistance during the winter months by construction employees temporarily assigned to this duty. The permanent force consisted during 1926 of ten to fourteen employees, divided for purposes of administration into three squads, each under a squad chief. The women's drafting division also assists in plan work as well as in the preparation of right-of-way plats, culvert plans and general drafting work.

Between December 1, 1925, and November 30, 1926, plans were completed for 753.1 miles of road work. Prior to December 1, 1925, the total mileage of primary road plans was 7,127 miles. This added to the 1926 figures brings the grand total of plan mileage to 7,880 miles. As is the case in survey work, this mileage does not represent an equal mileage of primary road. Plans are prepared for many miles of alternate lines, all but one of which are later abandoned. Furthermore, plans for the surfacing of various projects includes the same mileage for which grading plans have been prepared at previous times. Railroad crossing eliminations and revision of alignment also duplicate mileage already included in other projects.

Schedule No. 15 shows a list of projects by counties for which plans were completed in 1925. Schedule 16 shows a list of projects in progress on November 30, 1925, giving the total length, as well as the length completed on that date.

Secondary Road Plans.

During 1926 plans were checked and approved for 52 primary-secondary projects for which the total was 304.2 miles. A list of these projects, by counties, appears under Schedule No. 18. Plans for secondary road work paid for wholly out of county funds are prepared by county engineers. These plans are checked and ap-

proved by district engineers and a copy of all plans so approved is sent to the central office for filing.

Miscellaneous.

In addition to the above activities the department prepared a number of comparative estimates for proposed alternate improvements, rendered assistance to several counties in the preparation of secondary road estimates and made various reconnaissances for future developments.

SCHEDULE NO. 17

Counties in Which Surveys Are Completed

Adams	Fayette	Plymouth
Black Hawk	Franklin	Pocahontas
Buena Vista	Grundy	Polk
Calhoun	Hamilton	Poweshiek
Carroll	Hancock	Sac
Cedar	Howard	Scott
Cerro Gordo	Humboldt	Shelby
Cherokee	Ida	Sioux
Chickasaw	Jefferson	Story
Clay	Jones	Tama
Clinton	Kossuth	Taylor
Dallas	Linn	Van Buren
Davis	Lyon	Wapello
Delaware	Marshall	Webster
Des Moines	Monona	Winnebago
Dickinson	Osceola	Worth
Emmett	Palo Alto	

CHAPTER VI

Construction Department

Conditions Affecting Construction.

Ideal weather conditions prevailed throughout the state during the early part of the construction season. During the latter part of August, all of September and part of October all construction operations were nearly at a standstill on account of rain. Every paving job in the state lost from three to five miles on account of this bad weather. Conditions otherwise were normal. Materials and labor were plentiful and transportation adequate.

The original program outlined for 1926 contemplated the paving of 22.8 miles, graveling 704.8 miles and grading 521.4 miles. A number of counties where graveling was contemplated voted bonds for paving. This resulted in an altered program so that many miles which were to have been graveled were actually paved.

During 1926 495.09 miles were graded involving the moving of 7,695,161 cubic yards of earth. In addition to this 169.97 miles of secondary roads were graded as primary-secondary projects involving the moving of 1,210,624 cubic yards of earth. The total mileage of primary and secondary roads graded from primary funds was 665.06. The total yardage of earth moved was 8,905,785 cubic yards.

Construction Work Carried Over into 1926.

On December 1, 1925, construction work was under way on sixty-seven projects located in forty-six counties. These projects included the following uncompleted work:

Paving	21.65 Miles
Gravelling	61.72 Miles
Grading	109.90 Miles
Tiling	29,424 Lin. Ft.
Bridges and Culverts.....	243 Structures

Work on these projects was continued in 1926 and practically completed.

Construction Work Completed During 1926.

During 1926 the following construction work was completed on Federal Aid and Primary Road projects:

Paving	91.14 Miles
Gravelling	407.58 Miles
Grading	495.09 Miles
Tiling	129,573 Lin. Ft.
Guard rail	304,725 Lin. Ft.
Bridges and Culverts.....	1,357 Structures

Construction Work Carried Over Into 1927.

On December 1, 1926, construction work was under way on eighty-two projects located in fifty-seven counties. These projects included the following uncompleted work:

Paving	113.95 Miles
Gravelling	139.93 Miles
Grading	242.57 Miles
Tiling	59,411 Lin. Ft.
Bridges and Culverts.....	173 Structures

This work is being carried over into 1927.

Projects Completed and Retired.

There have been completed and retired to date five hundred sixteen Federal Aid and Primary Road projects. Of this number four hundred forty-six were completed prior to 1926 and seventy were completed and retired in 1926. (Refer to Schedule No. 20.)

Projects Ready to Be Retired.

On thirty projects which are still carried on the active list, all actual work of construction which has been contracted for to date has been finished, and the projects will either be accepted and retired early in 1927, or will be enlarged by the addition of other sections. (Refer to Schedule No. 21.)

City Paving Projects.

Sections 4731 to 4736 and 6044 to 6049 of the Code of 1924 provide for paving on extensions of primary roads within cities. Under this law during 1926 eight new projects were undertaken and completed. Also one project which was unfinished at the close of the season of 1925 was completed. The work is equivalent to 7.13 miles of eighteen foot pavement. (Refer to Schedule No. 22.)

SCHEDULE NO. 13
ROAD CONSTRUCTION WORK COMPLETED DECEMBER 1, 1926—DECEMBER 1, 1926

County	Projects Number	Tiling		Guard Rail		Grading		Graveling		Paving		Percent Com-pleted
		Lineal Feet	Lineal Feet	Miles	Cubic Yards	Miles	Cubic Yards	Miles	Square Yards			
Adair.....	* F. 173					3.61	74,292					100
Adair.....	F. 596					5.92	159,514					100
Adair.....	B. 143						17,674					100
Adams-Montgomery.....	* P. 35							3.43	3,965			100
Allamakee.....	* F. 170					11.46	11,239					100
Allamakee.....	* F. 107					7.83	85,000					100
Allamakee.....	* F. 287					4.80	25,210			1.77	19,854	100
Appanoose.....	* F. 239					4.93	71,990					100
Appanoose.....	* F. 481					7.23	139,487					96
Audubon.....	* F. 52					8.85	292,268					100
Audubon.....	* F. 238					2.85	42,307					100
Audubon.....	* F. 283					2.80	42,307			1.10	10,239	100
Benton.....	* F. 333					9.04	128,150					100
Benton.....	* F. 531					0.58	16,161		0.68			100
Benton.....	* F. 538					3.12	185,690		3.12	8,139		100
Benton.....	* F. 578					2.54	31,023					45
Benton.....	* F. 585											45
Benton.....	* F. 35		1,880									100
Black Hawk.....	* F. 831		2,570									100
Black Hawk.....	* F. 832		2,514									100
Black Hawk.....	* F. 839					1.30	11,820		10.10	11,554		100
Bremer.....	* F. 883											100
Buchanan.....	* F. 5		7,463									100
Buchanan.....	* F. 202		1,970			1.44	18,827					77
Butler.....	* P. 71		380			5.72	361,500					100
Butler.....	* P. 300											100
Butler.....	* P. 307											100
Butler.....	* F. 274					5.99	84,922			4.77	9,459	100
Butler.....	* F. 571											100
Carroll.....	* F. 158					8.07	101,429					100

SCHEDULE NO. 19—Continued

County	Projects Number	Tiling	Guard Rail	Grading		Graveling		Paving		Percent Completed
		Lineal Feet	Lineal Feet	Miles	Cubic Yards	Miles	Cubic Yards	Miles	Square Yards	
Carroll	P-449					.67	1,000			100
Cass	P-44			3.33	91,000					100
Cedar	P-37	1,976	8,300							100
Cedar	P-315	9,551		8.12	96,025					60
Cedar	P-437			0.18	2,716					100
Cerro Gordo	*P-80							0.04	237	100
Cherokee	*P-322						3.09	4,670		100
Cherokee	*P-288			0.36	21,000		1.35	2,519		100
Chickasaw	*P-76		1,220							100
Chickasaw	*P-131		2,270							100
Chickasaw	F-109		14,270		3,954	5.02	5,138			100
Chickasaw	*P-177		900							100
Chickasaw	B-327				3,901					100
Clarke	*P-33			0.42	6,000					100
Clarke	P-241			3.13	34,073					100
Clarke	*P-241									100
Clarke	*P-313			1.77	34,806					100
Clay	*P-56	430								100
Clayton	*P-74									100
Clayton	*P-116				9,633	15.20	15,888			100
Clayton	P-166			9.81	102,721	4.64	5,256			75
Clayton	P-439					7.93	9,022			100
Clinton	*P-156		880							100
Clinton	*P-204		9,220							100
Clinton	P-222			7.15	119,019					68
Clinton	F-392			1.45	61,500					64
Clinton	P-434			0.30	885			0.30	3,170	100
Crawford	P-232			3.36	237,926					100
Crawford	*P-288			3.07	33,000					29
Crawford	*P-288				1,274					100
Dallas	*P-250									100
Davis	*P-50					1.00	1,046			72
Davis	P-299			7.55	202,066					11
Des Moines	F-262	774		4.20	39,900			0.42	4,578	100
Dickinson	P-23			0.04	2,778			0.13	1,378	100

IOWA STATE HIGHWAY COMMISSION

Dubouque	*P-17			2.70	8,000	22.88	29,777	4.13	44,153	100
Dubouque	*P-148									26
Emmet	P-301	608	1,500			.85	1,536			100
Fayette	P-164				5,030	8.56	13,214			100
Fayette	P-241	79				1.29	2,724			100
Floyd	P-271			3.41	36,548	2.88	2,403			95
Floyd	*P-271			7.95	78,033					10
Franklin	P-312		8,785	0.31	15,047	0.31	270			100
Fremont	P-235			1.70	47,000					13
Greene	*P-39		654							100
Greene	P-153	2,016				1.37	2,000			100
Greene	*P-133					1.28	2,473			100
Greene	P-297			3.00	44,000					76
Greene	B-314				2,200					100
Greene	P-324	21,146				2.20	3,310			100
Greene	*P-324					4.08	6,373			100
Grundy	P-286			4.83	58,731	3.90	4,900			96
Guthrie	*P-31			0.57	19,138	0.57	1,933			100
Guthrie	*P-179			1.40	1,400	7.16	8,114			100
Guthrie	P-463					4.00	4,400			100
Harrison	*P-34		25,823							100
Harrison	P-138			8.84	202,496					61
Harrison	P-283			1.42	27,227					100
Harrison	P-423			0.02	50			.09	965	100
Henry	P-161	1,000	5,234	1.62	14,007					100
Henry	P-219			8.65	202,149					100
Henry	P-408									100
Howard	*P-31				3,241					100
Howard	P-193				1,906	3.54	3,116			100
Howard	P-193					5.12	10,100			100
Ida	P-213									100
Ida	P-248				5,783	6.36	12,047			100
Ida	P-286			4.01	44,814					100
Iowa	P-50			0.04	323	20.12	28,980			100
Iowa	P-194	3,449								100
Iowa	P-244			3.25	90,550					60
Jackson	*P-21					8.13	8,801			52
Jackson	P-143		1,000	0.96	180,400					87
Jackson	P-448									100
Jasper	*P-61			11.40	126,000			9.25	98,266	95
Jefferson	*P-3			0.31	9,274					100
Jefferson	*P-3			7.30	46,000			5.51	58,986	58
Jefferson	F-294									100
Johnson	P-311		3,640	1.23	29,331			9.77	106,243	100
Johnson	*P-282			6.34	27,000					70
Jones	*P-80				1,441					25
Jones	F-163									100
Jones	*P-163				5,295	10.41	11,279			68

CONSTRUCTION DEPARTMENT

SCHEDULE NO. 19—Continued

County	Projects Number	Grading	Guard Rail	Grading		Graveling		Paving		Percent Completed
		Lineal Feet	Lineal Feet	Miles	Cubic Yards	Miles	Cubic Yards	Miles	Square Yards	
Jones	F-524			6.90	136,502					97
Keokuk	*F-34			0.14	5,029	10.06	10,940			100
Keokuk	F-383			6.09	89,000					100
Keokuk	P-246	600		2.42	24,000					100
Keokuk	P-452			1.68	29,000					39
Keokuk	P-456					0.50	1,500			100
Lee	F-577			4.22	50,000					66
Lee	P-303		4,640	0.37	21,434					100
Linn	*F-90			0.15	1,835			2.82	29,980	100
Linn	F-224		7,360	2.66	30,050	11.46	12,370			100
Linn	P-225			2.67	19,685	.30	314	4.43	47,705	70
Linn	F-229			19.96	509,430					94
Linn	*F-230		3,867	11.10	142,033	7.74	7,748			88
Linn	*P-231		2,000							82
Linn	F-255			7.39	83,232					94
Linn	P-264			5.87	81,370					100
Linn	P-443		6,930	6.12	64,224	4.36	4,800			95
Louisia	*F-53					3.00	2,535			12
Louisia	F-529									100
Lucas	*F-63			4.58	37,000					100
Lucas	F-223		22,950	2.94	149,000					100
Lucas	F-252			0.81	23,300					57
Lyon	F-229					0.53	900			100
Madison	*F-109			3.72	36,239					100
Madison	F-226	2,300		5.30	72,597					100
Madison	P-464									100
Mahaska	*F-70					8.10	9,355			100
Mahaska	*F-70			1.70	8,150			3.61	40,351	35
Mahaska	*F-146					4.71	5,360			100
Mahaska	*F-146			2.89	14,700			4.12	45,920	92
Mahaska	F-223			1.00	7,400			1.63	18,132	60
Marion	F-231		9,492							100
Marion	F-233			7.28	101,440					95
Marion	F-209					12.09	12,000			100
Marion	*F-203		1,785							100
Marshall	*F-23		1,430							100
Marshall	F-211		27,677	2.92	6,091			1.39	13,122	100

Marshall	*P-240		18,066							100
Marshall	*P-256		3,150			1.42	2,762			100
Marshall	P-442			.75	834	.75	1,400			100
Mills	F-226			4.75	78,700					53
Mitchell	F-128									100
Mitchell	P-444			0.70	10,200	0.70	700			100
Monona	*P-38			3.68	109,108					96
Monona	F-184			1.43	61,130	1.31	1,266			90
Monona	F-291			2.56	56,200					66
Monroe	F-240			6.80	117,310					72
Montgomery	F-228			7.01	163,202					100
Muscatine	*F-87					10.83	17,962			100
Muscatine	*P-265					7.33	10,000			65
Muscatine	P-269					3.66	5,131			100
Muscatine	P-469					0.50	1,200			28
O'Brien	*P-60	216		9.43	10,000					99
O'Brien	P-247			4.99	49,500	4.99	7,689			100
O'Brien	P-422									100
Page	*P-27			0.06	3,064					100
Page	F-127									100
Page	F-178									100
Palo Alto	*P-286		37,765							100
Palo Alto	*P-453		18,290							100
Palo Alto	P-461			0.71	8,000					8
Plymouth	*F-38			11.08	19,332			11.08	129,430	100
Plymouth	F-39									100
Plymouth	F-273			6.48	16,444			6.48	76,118	100
Plymouth	F-275				14,177	7.28	7,461			100
Polk	*P-59		1,580							100
Polk	*F-132		1,509							100
Polk	*F-180		2,900							100
Polk	*F-187		9,840							100
Polk	*F-180		580							100
Polk	F-199									100
Polk	F-215		9,480		322					100
Polk	F-216		16,900	0.31				0.31		100
Polk	P-418			0.53	6,885			1.23	14,611	100
Pottawattamie	*P-31			0.19	10,494					100
Pottawattamie	F-280			4.59	116,833					100
Pottawattamie	P-400			0.10						100
Poweshiek	*P-41		2,408					0.68	8,004	100
Poweshiek	F-261			1.77	85,283					65
Poweshiek	P-416									100
Ringgold	P-459					11.30	12,519			85
Ringgold	P-462					0.83	925			14
Sac	P-447			0.05	1,800					44
Scott	*P-50		1,120							100

SCHEDULE NO. 19—Continued

County	Projects Number	Tiling	Guard Rail	Grading		Graveling		Paving		Percent Completed
		Lineal Feet	Lineal Feet	Miles	Cubic Yards	Miles	Cubic Yards	Miles	Square Yards	
Scott	*F-55		1,000	0.23	1,225			.46	4,000	90
Scott	*P-124					1.15	1,577			100
Scott	*F-185		1,669							100
Scott	F-217			1.58	2,544			1.19	11,836	100
Scott	F-221			2.29				4.27	41,741	100
Scott	F-243			16.55	84,624			8.12	86,077	95
Scott	P-405			1.44	8,500			1.44	15,896	100
Shelby	F-42		5,624							100
Sioux	*P-85		6,750							100
Story	P-430	5,915		1.50	16,170	1.50	2,344			100
Tama	*F-47									100
Tama	F-257			6.81	116,605	0.51				75
Tama	F-276									100
Tama	P-276			2.96	29,778					100
Tama	P-319									100
Tama	P-428									100
Tama	P-468									100
Union	*F-83	3,298		3.78	49,231					100
Union	P-440					1.39	2,700			100
Van Buren	*P-165		4,000							100
Van Buren	P-228			4.22	87,184					100
Wapello	*P-150			6.00	25,000			5.55	64,705	84
Wapello	P-228	14,014		1.00	7,000					40
Warren	*P-11					8.30	14,018			100
Warren	F-265			0.42	13,089	6.29	10,284			100
Washington	*F-71					8.20	10,166			100
Washington	*P-167					7.01	8,351			100
Wayne	F-227			8.64	201,000					92
Webster	F-270			1.69	34,000	5.05	8,322			80
Webster	F-272			4.02	26,021	2.30	4,300			90
Webster	P-289					0.50	800			100
Webster	*P-289									100
Winnebago	*P-120	7,429		0.79	6,286	1.00	707			100
Winnebago	P-307			1.97	15,700	1.97	1,461			100
Winnebago	*P-98			1.60	49,306	14.67	24,779			65
Winnebago	*P-121			0.11	1,109	2.80	4,850	0.14	900	100
Winnebago	P-284					12.55	20,372			82
Woodbury	F-2									100
Woodbury	F-245			4.70	77,400					100
Woodbury	F-254			6.48	125,000					92
Woodbury-Ida-Cherokee	P-467			0.22	20,000					13
Worth	P-82									100
Worth	P-216				2,327	5.40	5,062			100
Worth	P-298				3,290	11.88	13,149			100
Wright	*P-100		108							100
Wright	*P-200		80							100
Wright	P-297									100
Wright	P-387				4,108					100
Wright	*P-387	2,055								100
Wright	P-434			0.84	9,457					45
Totals		129,573	304,725	495.09	7,606,815	407.58	514,161	91.14	990,138	

SCHEDULE NO. 20—Continued

SCHEDULE NO. 20

PROJECTS COMPLETED AND RETIRED DECEMBER 1, 1925—DECEMBER 1, 1926

County	Project Number	Miles	Nature of Work
Adair	*P. 173	7.71	Grading
Adams	P. 227	6.16	Grading
Allamakee	*P. 39	3.41	Graveling
Allamakee	P. 197	7.83	Grading
Appanoose	*P. 227	3.01	Graveling
Appanoose	P. 431	1.21	Graveling
Audubon	*P. 52	7.23	Grading
Audubon	F. 308	8.53	Grading
Benton	F. 233	16.17	Grading, draining
Boone	P. 39	12.36	Grading, draining, graveling
Bushanan	*P. 5	1.44	Grading, draining
Butler	*P. 71	.....	Draining
Butler	P. 267	7.38	Grading, draining, graveling
Butler	*P. 371	.....	Graveling (2nd course)
Carroll	*P. 154	13.87	Grading
Carroll	P. 449	.67	Graveling (1st course)
Cedar	F. 37	18.04	Grading, drainage
Cedar	F. 27	.18	Grading
Cerro Gordo	*P. 89	.04	Paving
Cherokee	*P. 302	4.59	Grading, graveling
Cherokee	*P. 392	3.69	Graveling
Chickasaw	*F. 79	1.35	Graveling
Clarke	*F. 33	.57	Grading
Clarke	F. 241	3.13	Grading
Clarke	*P. 313	1.77	Grading
Clay	*P. 56	.....	Draining
Clayton	*F. 74	13.02	Graveling
Clayton	*F. 156	15.20	Graveling
Clayton	P. 439	7.93	Graveling
Clinton	P. 434	.60	Grading, paving
Dallas	*P. 350	.38	Grading
Dekalb	P. 192	1.92	Grading, drainage, paving
Emmet	P. 301	.85	Grading, drainage, graveling
Fayette	*P. 164	8.56	Graveling
Fayette	P. 241	1.29	Grading, draining, graveling
Greene	P. 153	4.12	Grading, draining, graveling
Greene	*P. 223	4.12	Graveling (2nd course)
Greene	P. 324	10.60	Grading, draining, graveling
Greene	*P. 324	4.08	Graveling
Guthrie	*F. 179	7.16	Graveling
Harrison	F. 228	11.86	Grading
Harrison	P. 423	.54	Grading, paving
Henry	F. 153	8.38	Grading, drainage
Henry	P. 408	.62	Grading
Ia	F. 248	8.16	Graveling
Iowa	F. 199	28.84	Grading, draining, graveling
Iowa	F. 194	1.92	Grading
Jefferson	*F. 3	.61	Grading
Johnson	P. 311	5.05	Grading
Jones	F. 163	19.85	Grading, draining
Koekuk	*P. 34	10.05	Grading, graveling
Koekuk	F. 183	6.09	Grading
Koekuk	P. 240	8.65	Grading, draining
Koekuk	P. 456	.50	Graveling
Lew	P. 303	.83	Grading
Linn	*F. 95	12.77	Grading, paving
Linn	F. 224	11.46	Grading, drainage, graveling
Loes	F. 223	4.53	Grading
Lyon	P. 229	15.55	Grading, drainage, graveling
Madison	F. 236	6.30	Grading, draining
Mahaska	*F. 70	8.16	Graveling
Mahaska	*F. 145	4.71	Graveling
Marion	P. 221	6.50	Grading

County	Project Number	Miles	Nature of Work
Marion	F. 200	12.22	Graveling
Marshall	F. 211	22.56	Grading, paving
Marshall	*F. 326	.....	Graveling (2nd course)
Marshall	P. 442	.75	Grading, graveling
Marshall	P. 138	22.50	Grading, draining, graveling
Mitchell	P. 444	.70	Grading, graveling
Montgomery	F. 238	7.01	Grading
Muscatine	P. 399	5.69	Graveling
O'Brien	F. 247	4.59	Grading, graveling
O'Brien	P. 432	15.50	Graveling
Page	*P. 27	.31	Grading
Page	F. 137	12.31	Grading
Page	F. 178	16.30	Grading
Palo Alto	*P. 86	.....	Draining
Plymouth	*F. 33	11.08	Grading, paving
Plymouth	P. 39	19.50	Grading
Plymouth	F. 273	6.48	Grading, paving
Plymouth	F. 275	7.28	Graveling
Polk	F. 109	2.50	Grading, draining, paving
Polk	F. 215	7.32	Grading, draining, paving
Polk	P. 418	.....	Grading, draining, paving
Pottawattamie	*P. 21	.71	Grading
Pottawattamie	F. 386	4.59	Grading
Pottawattamie	P. 416	13.28	Graveling
Pottawattamie	P. 490	.68	Grading, paving
Poweshiek	*P. 124	1.15	Graveling
Scott	F. 217	7.24	Grading, paving
Scott	F. 221	9.79	Grading, paving
Story	P. 430	1.50	Grading, draining, graveling
Tama	F. 276	15.60	Grading, draining
Tama	P. 300	5.94	Grading
Tama	P. 428	6.78	Graveling
Union	P. 440	1.98	Graveling
Warren	*F. 11	8.30	Graveling
Warren	F. 205	6.29	Grading, graveling
Washington	*F. 73	8.20	Graveling
Washington	*P. 167	7.01	Graveling
Webster	P. 389	5.61	Grading
Webster	*P. 389	.50	Graveling
Winnebago	*P. 120	1.60	Grading, draining, graveling
Winnebago	P. 397	1.97	Grading, graveling
Woodbury	F. 2	112.23	Grading, paving
Woodbury	P. 245	6.85	Grading
Worth	P. 82	11.88	Grading
Wright	P. 387	3.00	Grading, graveling

SCHEDULE NO. 21

PROJECTS READY TO BE RETIRED

County	Project Number	Miles	Nature of Work
Appanoose.....	P-230	4.96	Grading
Benton.....	P-251	9.04	Grading
Benton.....	P-258	.56	Grading, graveling
Benton.....	P-263	3.12	Grading, graveling
Butler.....	P-269	4.77	Grading, draining, graveling
Butler.....	P-274	5.99	Grading, graveling
Cass.....	P-44	13.02	Grading
Chickasaw.....	P-109	5.02	Grading, draining, graveling
Crawford.....	P-52	8.85	Grading
Dubuque.....	*P-17	22.83	Graveling
Franklin.....	P-212	4.43	Grading, draining, graveling
Guthrie.....	*P-53	.57	Grading, graveling
Guthrie.....	P-469	4.00	Graveling
Henry.....	P-219	8.65	Grading
Howard.....	P-103	12.95	Grading, draining, graveling
Howard.....	P-190	10.14	Grading, draining, graveling
Ia.....	P-213	9.59	Grading
Ia.....	P-286	4.01	Grading
Lucas.....	P-304	5.87	Grading
Madison.....	*P-83	4.58	Grading
Madison.....	*P-109	3.72	Grading
Marshall.....	*P-409	1.42	Graveling (2nd course)
Misssine.....	*P-87	10.83	Graveling
Polk.....	P-216	9.06	Grading, paving
Scott.....	P-406	1.44	Grading, paving
Union.....	*P-83	3.78	Grading, draining
Winneshiek.....	*P-121	2.80	Grading, graveling, paving
Worth.....	P-216	29.53	Grading, draining, graveling
Worth.....	P-308	11.89	Graveling
Wright.....	*P-387		Draining

SCHEDULE NO. 22
CITY PRIMARY ROAD PAVING PROJECTS

County	City	Project Number	Miles in Project	Miles Completed in 1928	Sq. Yds. in Project	Sq. Yds. Completed in 1928	Date Completed
Wassho	Ottumwa.....	C-26	0.83	0.73	15,743	13,698	1928
Keokuk	Sioux.....	C-27	0.40	0.40	10,700	10,700	1928
Keokuk	Des Moines.....	C-28	0.21	0.21	3,812	3,812	1928
Keokuk	Siourney.....	C-29	1.14	1.14	18,896	18,896	1928
Taylor	Bedford.....	C-40	0.85	0.85	11,027	11,027	1928
Cedar	West Branch.....	C-41	0.81	0.81	10,500	10,500	1928
Benton	Westerville.....	C-42	0.86	0.86	11,493	11,493	Unfinished
Benton	Vinton.....	C-43	0.86	0.86	11,493	11,493	Unfinished
Stout	Sioux Center.....	C-44	1.07	1.07	20,100	20,100	Unfinished
Totals.....		9	7.21	4.83	123,029	76,343	

Note: Square yards completed in 1928 is equivalent to 7.13 miles of paving 18 ft. wide.

Note: Project C-28 in Ottumwa was undertaken in 1925 but because of inclement weather was not finished until 1928.

SCHEDULE NO. 23

SECONDARY-PRIMARY PROJECTS. DECEMBER 1, 1925 to DECEMBER 1, 1926

County	Project Number	Tiling		Guard Rail		Grading		Graveling		Paving		Percent Completed
		Lineal Feet	Lineal Feet	Miles	Cubic Yards	Miles	Cubic Yards	Miles	Square Yards			
Buena Vista	S-27	5,500										
Buena Vista	S-28	13,600										100
Buena Vista	S-29	19,150										100
Buena Vista	S-77					8.00	47,863					100
Buena Vista	S-78					5.00	21,970					100
Buena Vista	S-82							1.50	1,800			100
Buena Vista	S-84							9.00	10,800			100
Buena Vista	S-85							4.00	4,800			100
Buena Vista	S-86							3.00	3,600			100
Buena Vista	S-87							0.00	750			100
Buena Vista	S-88							3.00	3,300			100
Buena Vista	S-89							2.00	2,400			100
Calhoun	S-54					3.50	21,594					100
Calhoun	S-55					4.00	24,167					100
Calhoun	S-71							12.00	18,000			100
Calhoun	S-73							5.00	7,500			100
Calhoun	S-90					1.50	9,000					100
Calhoun	S-106					7.50	38,745					100
Clay	S-94							3.50	5,250			100
Clay	S-96					4.36	34,400					100
Clay	S-110					9.50	71,400					100
Dickinson	S-51							6.96	9,840			100
Dickinson	S-52							4.50	4,500			100
Dickinson	S-53							4.00	6,000			100
Dickinson	S-107							3.50	2,500			100
Dickinson	S-108							8.00	8,000			100
Dickinson	S-109							2.00	2,000			67
Emmet	S-25							6.50	6,500			100
Emmet	S-38							4.00	4,000			80
Emmet	S-97					6.00	44,908					100
Emmet	S-98							4.00	4,000			100
Emmet	S-99							4.00	4,000			100
Franklin	S-24	5,004						3.00	3,000			75
Franklin	S-29					3.42	42,968					100

Franklin	S-40					3.022		5.00	7,680			100
Hancock	S-18			3,630				8.10	12,730			100
Hancock	S-44	11,258			4.60	32,157						100
Humboldt	S-83				6.93	35,000						96
Humboldt	S-81				4.47	24,000						64
Kossuth	S-30								1,900			100
Kossuth	S-32				1.24	6,353						100
Kossuth	S-63				3.00	19,229						100
Kossuth	S-64				3.25	35,500						100
Kossuth	S-65				8.00	52,039						100
Kossuth	S-66				6.00	40,173						100
Kossuth	S-67							17.00	26,723			100
Kossuth	S-68							6.50	10,140			100
Lyon	S-74				5.00	32,321						100
Lyon	S-75				6.62	38,066						100
Lyon	S-76				5.46	43,137						100
Lyon	S-100				5.95	51,000						97
Lyon	S-111				3.47	26,545						50
Marshall	S-47							3.37	3,600			100
Marshall	S-48							3.00	3,175			100
Marshall	S-91				2.29	19,129						100
Marshall	S-92				10.22	84,010						100
Marshall	S-93				6.80	48,268		2.64	2,800			53
Marshall	S-99				3.50	24,824						100
Osceola	S-9					4,800		6.63	10,352			100
Osceola	S-22					7,648		13.45	17,436			100
Osceola	S-43				0.97	6,461						100
Osceola	S-79				11.95	72,464						100
Osceola	S-95							4.00	5,000			100
Pocahontas	S-30				0.24	15,580						100
Pocahontas	S-95							18.00	27,000			100
Pocahontas	S-101					1,059		3.00	2,303			100
Sac	S-19				2.38	25,235						91
Sac	S-41				6.00	38,806						100
Sac	S-42				5.80	38,618						100
Sac	S-103							4.50	4,500			100
Sac	S-104											100
Sac	S-105											100
Sioux	S-60							6.00	6,000			100
Totals		49,308	3,630		169.97	1,210,624		195.95	254,298			

SCHEDULE NO. 24

BRIDGES AND CULVERTS CONSTRUCTED. DECEMBER 1, 1925—DECEMBER 1, 1926.

County	Project number	Number of Structures in Project						Total	Percent completed	Number of structures completed prior to 1925	Number of structures completed in 1925	Number of structures completed to date
		Concrete culverts (box circular, arch and pipe)	Headwalls and culverts extended	Slab bridges, arch bridges, thru girders, deck girders	Concrete Abutments		Misc. permanent construction and retaining walls					
					I-beam spans, steel girders	Pony truss, high steel truss, deck truss						
Adair	2267	16	2		1		19	85		7	8	
Adams	F-227	26			1		28	100	1	0	1	
Adams-Montgomery	142						1	100		1	1	
Allamakee	F-197	18	1			1	20	100		1	1	
Appanoose	F-27	1					1	100		1	1	
Appanoose	F-239	21	1				22	100		1	1	
Audubon	F-52	34					34	100		1	1	
Audubon	241	9		1		1	11	100		1	1	
Audubon	F-277	34	2		2		38	100	12	1	13	
Benton	F-58	1					1	100	36	1	1	
Benton	F-251	22	12				34	100		1	1	
Benton	F-263	8				1	9	100		1	1	
Benton	F-278	23	5				28	100		1	1	
Benton	F-285	9	2				11	100		1	1	
Benton	316	3					3	100		1	1	
Brammer	356	17	1				18	100		1	1	
Buchanan	228	2			1		3	100		1	1	
Buchanan	F-262	14	2				16	100		1	1	
Butler	F-274	43		1			44	100		1	1	
Carroll	F-154	30	1		1	1	33	100	51	1	1	
Carroll	152	17					17	100		1	1	
Cass	F-44	16					16	100		1	1	
Cass	348	2					2	100		1	1	
Cedar	F-213	2					2	100		1	1	
Cherokee	F-283	6			2		8	100		1	1	
Chickasaw	F-169	1					1	100		1	1	
Chickasaw	324	1					1	100		1	1	
Clarke	184	48	8		1		57	100		1	1	

Clarke	F-241	13					13	100		13	13
Clayton	F-166	23		1			24	100		23	23
Clinton	F-252	38	2	2		2	44	100		30	30
Clinton	F-262	14	2		1		17	100		3	3
Crawford	F-232	22	1		4		27	100	18	18	18
Crawford	F-287	10	3	3	1		17	100		22	22
Dallas	330						1	100		1	1
Davis	F-50	40	1			1	42	100	35	14	49
Des Moines	347	15	5	1		3	24	100		15	15
Dubuque	354				1		1	100			
Floyd	F-279	6	10	1			17	95		15	15
Franklin	F-212				1		1	100		1	1
Fremont	F-235	38	3		1	1	43	100		29	29
Greene	130	9					9	100	7	2	9
Greene	246	2					2	100		2	2
Greene	357	3	2			1	6	100		6	6
Grundy	F-266	8	1			1	10	100		10	10
Harrison	F-138	60	2	1	4	2	69	100		65	65
Harrison	F-228	3				3	6	100		3	3
Harrison	312	10					10	100		8	8
Henry	F-151	30	4	2		2	38	100	1	1	1
Henry	313						36	100	18	18	18
Howard	F-31	1			1		2	100		1	1
Howard	336	1					1	100		1	1
Ida	106	33	1	1			35	100	28	3	31
Ida	F-286	11	3			1	15	100		14	14
Iowa	F-244						3	95		2	2
Jackson	57	27	4		2		33	100	32	2	34
Jackson	F-143						2	100		2	2
Jasper	F-64	27	1			2	30	100		29	29
Jasper	168	39	4		1		44	100		1	1
Jefferson	F-3	5	10				15	100		15	15
Jefferson	359	5	8				13	100		3	3
Johnson	F-280	1					1	100		1	1
Johnson	316					1	1	100		1	1
Jones	190	16					16	100	9	7	16
Jones	F-234	5	2				7	100		8	8
Keokuk	F-34					1	1	100		1	1
Keokuk	147	22	3				25	100	24	1	25
Keokuk	F-183	21	3	2			26	100		26	26
Keokuk	349	1					1	100		1	1
Keokuk	344	17				1	18	100		17	17
Lee	F-277	18				1	19	99		18	18
Linn	F-229	16	5		1	2	24	100		24	24
Linn	F-230	10	2		1		13	100		13	13
Linn	F-255	22	2			1	25	100		25	25
Linn	F-264	15	1		1		17	94		17	17

SCHEDULE NO. 24—Continued

County	Project number	Number of Structures in Project						Total	Percent completed	Number of structures completed prior to 1926	Number of structures completed in 1926	Number of structures completed to date
		Concrete culverts, (box circular, arch and pipe)	Headwalls and culverts extended	Slab bridges, arch bridges, thru girders, deck girders	Concrete Abutments		Misc. permanent structures and retaining walls					
					I-beam spans, steel girders	Pony truss, high steel truss, deck truss						
Linn.....	3074	20	4		1	1	1	37	100	25	2	27
Linn.....	311	26	6					32	83	19	13	22
Linn.....	341	16	8		1			25	100		24	24
Lucas.....	F. 63	28	2					30	100		26	26
Lucas.....	F. 232	3					1	4	100		3	3
Lyon.....								1	100		1	1
Madison.....	1894	29				1		30	100		28	28
Madison.....	F. 266	14	4					18	100	23	10	23
Mahaska.....	271	41	4		1		1	47	100		14	14
Mahaska.....	1294	36	4		1		3	44	100	46	1	47
Mahaska.....	F. 146	1						1	100	44	1	45
Mahaska.....	342	16						16	100		1	1
Marion.....	F. 253	24	1		1			26	100		16	16
Mills.....	F. 220	21				1		22	100	26	26	26
Monona.....	P. 184	1						1	100		21	21
Monona.....	F. 291	9						9	100		1	1
Monona.....	317	36				1		37	100		1	38
Monroe.....	F. 240	31				1		32	89	28	3	31
Montgomery.....	F. 258	39	4					43	100		40	40
O'Brien.....	F. 247	11	2			1		14	100		11	11
Pala Alto.....	F. 355	8	4		1			13	100		13	13
Plymouth.....	F. 38	2	1					3	100		1	1
Plymouth.....	F. 273	2	2					4	100		1	1
Pottawattamie.....	564	56	4			3		63	100		7	7
Pottawattamie.....	F. 280	16				2		18	100	64	3	67
Poweshiek.....	151	66	7		1			74	100		16	16
Poweshiek.....	F. 261	8			1		1	10	100	78	1	79
Scott.....	385	3	1					4	100		5	5
Scott.....	339	13	6					19	100		4	4

Shelby.....	169	33	1		4		2	1	41	100	40	1	41
Sioux.....	F. 269				1				1	100		1	1
Sioux.....	F. 281						1		1	100		1	1
Story.....	234	2							2	100		2	2
Tama.....	F. 257	20	5		1		1		27	99	2	29	29
Union.....	F. 83	9	1						10	99	10	10	10
Van Buren.....	F. 232	70	3		2				75	100	76	76	76
Wapello.....	F. 246	4					1		5	100	1	1	1
Wapello.....	323	4	10						14	62	7	7	7
Warren.....	F. 265	2							2	100	2	2	2
Wayne.....	F. 237	44					2		46	100	46	46	46
Winnebago.....	343	3							3	100	3	3	3
Winnebago.....	F. 98	1	1		1		1	2	6	97	4	4	4
Woodbury.....	F. 245	24	2		1				27	100	28	28	28
Woodbury.....	F. 254	17							17	85	16	16	16
Woodbury-Ida-Cherokee (Jnt. Proj.).....	249	42					2		44	47	12	12	12
Wright.....	F. 267	1					1		2	73			
Wright.....	350	6			1				7	82	4	4	4
Totals.....		1,881	225	25	82		79	11	2,273	743	1,857	2,100	2,100

Note: Projects marked thus † have been completed and retired before December 1st and have been recalled and additions made during the present year.

CHAPTER VII

Maintenance Department

Chapter 114, Acts of the Forty-first General Assembly, effective November 30, 1925, vested in the Commission general authority and supervision over the maintenance of the primary roads. In assuming these new duties, the Commission co-operated with the boards of supervisors and the change was made with as little friction as possible.

Since the establishment of the primary system, the county engineers have had general supervision over the maintenance work on this system in their respective counties. The Commission proposed to each board of supervisors that their county engineer continue to look after the primary maintenance work under the Commission's supervision, and that the state pay him for the actual time spent in performing these duties. All but eleven of the ninety-nine counties promptly signed agreements to that effect. Five of the eleven counties had no county engineers and six preferred to use their county engineer full time on county work. This necessitated the placing of eight men in these eleven counties to handle the primary maintenance. In some cases, one man was given two counties, and in other cases, one man was allowed to superintend both construction and maintenance of the primary roads in a single county.

So far as possible, the personnel of the old maintenance organization was kept intact. The rates of pay, working hours and general plan of maintenance were not changed, except in isolated cases where, after a thorough trial of the old plan, changes were found necessary. War surplus equipment and trucks which had been assigned the counties for county use were not molested. Rental agreements were signed with the various boards of supervisors whereby equipment could be rented from one system to the other. The Commission realizes the value and appreciates the co-operation rendered by the boards of supervisors on primary maintenance during the past year.

The general policy of the Commission has remained substantially as in the past; namely, to maintain all of the primary roads in the best condition practicable. The special aim during 1926 was to

bring the maintenance standards in all of the counties up to the high standard set by the better maintained counties, and to provide this better maintenance at no increased cost.

Organization.

On account of the increased maintenance duties imposed upon the Commission, it was found necessary to employ an additional maintenance assistant. L. L. Clement was made maintenance field engineer, effective January 1, 1926. Otherwise, the personnel has remained unchanged.

Maintenance Budget.

On December 15, 1925, the Commission adopted a temporary budget to provide for maintenance until the adoption of the permanent budget. The temporary budget amounted to \$1,391,900. The final 1926 maintenance program was definitely planned and estimated early in the year by the various maintenance superintendents and district engineers. These estimates were revised and submitted to the Commission by the maintenance engineer.

On February 22nd, the final budget was passed, the total including the December 1, 1925, balances and the temporary budget was \$3,706,712. It has since been found necessary to make increases in the budget for nine counties. Reductions have been made in two counties. Schedule No. 25 shows the budget including the December 1, 1925, balance and all additions to December 1, 1926. The total revised budget is \$3,722,282.

Note: For a statement of maintenance expenditures from the above budget see Schedules No. 43 and 44, Chapter X. The following table shows the comparative expenditures for maintenance for the last six years:

	Miles Maintained	Total Cost of Maintenance	Average Cost Per Mile
December 1, 1920—December 1, 1921.....	6,516.0	\$2,264,402	\$342
December 1, 1921—December 1, 1922.....	6,815.3	2,444,666	370
December 1, 1922—December 1, 1923.....	6,846.6	2,420,900	364
December 1, 1923—December 1, 1924.....	6,659.7	2,722,149	409
December 1, 1924—December 1, 1925.....	6,674.3	3,021,013	453
December 1, 1925—December 1, 1926.....	6,368.7	3,100,675	486

Under the law prior to December 1, 1925, the county boards of supervisors used county funds for the maintenance of primary

roads. The law provided that they should be reimbursed for these expenditures from the primary road fund. During 1926 reimbursement was made to the counties in the amount of \$614,344.71 for maintenance done before December 1, 1925. For a complete account of these expenditures by counties, see Schedule No. 42, Chapter X.

Primary Road Condition Map.

Annually the Commission collects the data for and prepares a map showing the condition of the primary road system on December 1. The roads are classified as follows: First, paving; second, gravel; third, built to permanent grade; and fourth, not built.

The following tabulation shows the December 1st classification for the past four years:

	December 1, 1923	December 1, 1924	December 1, 1925	December 1, 1926
Paving.....	419.1	502.3	568.5	650.2
Gravel.....	1,884.4	2,164.4	2,437.5	2,819.4
Built to permanent grade.....	2,001.2	1,934.4	1,796.0	1,732.3
Not built.....	2,397.9	2,068.6	1,872.1	1,451.8

These mileages do not include any work partially completed or work in towns or cities. A copy of the condition map is appended hereto. A comparison of this map with the condition map filed with the 1925 report shows graphically the location and the extent of the construction work accomplished during the year. Schedule No. 25 shows the condition of the primary road system by units and counties on December 1, 1926.

Receipt and Assignment of Government Equipment.

The Federal Government has practically discontinued the distribution of war surplus equipment. None of this sort of equipment was received by the state during the past year. However, a considerable supply of small tools and general supplies, also a few trucks are still in storage at Ames and available for distribution. During the past year distribution was made as follows:

To Counties:

26 trucks valued at.....	\$13,000.00
Small tools valued at.....	4,271.87
General supplies valued at.....	2,330.91
Total.....	\$19,602.78

To Park Commission:

Small tools valued at.....	\$ 112.35
General supplies valued at.....	10.85
Total.....	\$ 123.30

To Board of Conservation:

Small tools valued at.....	\$ 31.85
General supplies valued at.....	24.50
Total.....	\$ 56.35

To State Board of Control and Board of Education:

Small tools valued at.....	\$ 264.10
General supplies valued at.....	92.20
Total.....	\$ 356.30
Grand Total.....	\$20,138.63

County Use of Government Trucks.

Reports from the county engineers and maintenance superintendents show that there are now assigned for primary and secondary road work 529 war surplus trucks. These trucks are distributed on various classes of work as follows:

Primary maintenance	242
Secondary construction	7
Secondary maintenance	70
Secondary bridge work.....	130
Rented by counties for primary maintenance work	12
Trucks not used	68
Total.....	529

There has been a net decrease during the year of 6 trucks, due to the wearing out and junking of some of the original equipment received from the government.

Maintenance Instructions.

The maintenance work in each district is under the supervision of the district engineer. During the year twenty-five "letters of instruction" were issued the district engineers. In addition to these instructions, forty-nine "maintenance letters" were issued directly to the maintenance superintendents. These maintenance superintendent letters really constitute a loose leaf maintenance manual.

Maintenance Contracts.

It is the Commission's policy to advertise and let at public letting all maintenance projects or materials whose estimated cost is \$1,000 or more. During the year 346 maintenance contracts were negotiated. The total amount of these contracts was \$671,525.51.

Road Signs.

Early in the year contracts were awarded for a complete set of road marker, caution and railroad signs. Before ordering these signs, it was necessary to revise the numbering scheme of the primary road system in order to make the numbers fit in with the recently adopted national system. The signs purchased are of cast semi-steel construction finished in Duco, and they conform in design and workmanship to the standards adopted by the American Association of State Highway Officials. All of the signs were erected on substantial 4x4 creosoted yellow pine posts simultaneously through the state during the week of October 11th.

It is not intended that the signs erected this year shall constitute a complete primary road marking. During 1927 it is planned to erect additional signs which will give mileages to various points of importance and otherwise supplement the signs already erected. The total expenditure for signs and posts, not including labor of erection, was \$105,107.21. This amount should be deducted from the total maintenance expenditure in order to secure the net amount spent for maintenance.

Traffic Census.

During late summer and early fall, a number of traffic counts were taken at various points in the state. These counts started at 5:00 A. M. and ran until 11:00 P. M. The traffic was classified as to type of vehicle and type of traffic. In all, forty counts were made showing averages and percentages as follows:

Kind of Vehicle	Average No. Per Day	% of Total
Horse drawn passenger	2	.2
Horse drawn freight	13	1.0
Passenger automobiles	1,150	91.1
Light trucks less than two tons	31	2.4
Heavy trucks two tons or over	12	1.0
Buses	4	.3
Total	1,202	100.0

Kind of Vehicle	Average No. Per Day	% of Total
Interstate	182	14.4
Intercounty	374	29.6
County	706	56.0
Total	1,262	100.0

Inventory.

During the fall a complete inventory was made of all maintenance equipment and materials on hand. This inventory shows a total value of this class of equipment of \$1,098,365. Some of the principal items in this inventory are:

66 10 ton tractors valued at.....	\$147,450
56 5 ton tractors valued at.....	109,970
7 15 H. P. one man maintainers valued at....	20,700
69 10 H. P. one man maintainers valued at....	88,476
245 Trucks valued at.....	191,475
270 heavy blade graders and maintainers valued at	117,300
680 patrol graders valued at.....	72,200
1,825,200 lineal feet snow fence and posts valued at	219,000
132 snow plows valued at.....	68,200

SCHEDULE NO. 25

MAINTENANCE UNITS AND CLASSIFICATION

County	Unit	Pri- mary Road No.	From	To	Condition November 30, 1926				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Adair	1	32	Guthrie county	Adair county line	2.0				2.0	57.9
	2	35	Greenfield	Guthrie county		15.9			15.9	
	3	34	Greenfield	Madison county	4.5	7.7			12.2	
	4	35	Greenfield	Union county	7.0	4.2			11.2	
	5	34	Greenfield	Cass county	8.8	4.5			13.3	
	6	32	Adair	Cass county		3.3			3.3	
Total					22.3	35.6				
Adams	1	34	Montgomery county	Corning		10.1			10.1	85.2
	2	34	Union county	Corning		13.8			13.8	
	3	148	Taylor county	Corning		5.8			5.8	
	4	49	Taylor county	No. 34	3.5				5.5	
	5	49	Adams county	Lenox						
Total					5.5	29.7				
Allamakee	1	9	Waukon	Winneshiek county						85.8
	2	9	Waukon	Laurens		7.8			7.8	
	3	119	No. 18	Dorchester		16.1			16.1	
	4	12	Waukon	Minnesota	21.0	.5			21.5	
	5	51	No. 18	Jet. No. 51						
	6	18	Clayton county	Postville	1.4	2.0	16.6		20.0	
	7	58	Winneshiek county	No. 18						
Total					20.4				20.4	
Appanoose	1	3	Wayne county	Centerville						85.8
	2	138	No. 3	Mystic	.3	8.9	3.0	1.8	14.0	
	3	3	Davis county	Centerville						
	4	142	No. 3	Moulton	7.8	7.3			15.1	

*See Taylor county.

Total	3	6	Centerville	Moravia	4.8	6.7			11.5	57.5
	4	6	Centerville	Missouri	9.5	6.2	1.2		16.9	
Total					22.4	29.1	4.2	1.8		
Audubon	1	7	Shelby county	No. 71	11.4				11.4	48.5
	2	7	Guthrie county	No. 71		8.5			8.5	
	3	71	Carroll county	Hamlin		12.7			12.7	
	4	71	Cass county	Hamlin	.4	10.5			10.9	
Total					11.8	31.7				
Benton	1	8	No. 218	Tama county						90.8
	2	218	Vinton	Black Hawk county	13.3	9.9			23.2	
	3	11	Linn county	Buchanan county						
	4	101	No. 11	End of paving						
	5	92	No. 101	Urbana	14.0		8.1		22.1	
	6	218	No. 30	End of paving		7.3		1.7	9.0	
	7	30	Linn county	End of paving	1.9	23.6			25.5	
	8	150	Belle Plaine	Tama county						
	9	82	Iowa county	Linn county						
	10	150	No. 30	Blairstown	5.9		.6		6.5	
Black Hawk	1	29	Grundy county	Buchanan county						78.5
	2	218	Benton county	Brammer county						
	3	59	Hudson	Waterloo	.1			47.8	47.9	
	4	90	Grundy county	No. 59			11.1		11.1	
	5	59	Tama county	Hudson			5.6		5.6	
	6	59	Grundy county	Cedar Falls			7.9		7.9	
Total					.1		24.6	47.8		
Boone	1	30	Story county	Greene county			23.1		23.1	93
	2	17	Dallas county	Greene county			8.0		8.0	
	3	16	Dallas county	Ogden						
	4	60	No. 30	Webster			22.7		22.7	
	5	60	Madrid	No. 30						
Total							23.8		23.8	

SCHEDULE NO. 25—Continued

County	Unit	Primary Road No.	From	To	Condition November 30, 1926				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Boone—Continued	5	60	Madrid	Polk county .....			.4		.4	
			Polk	Dallas county line.....	*					
Total							78.0			78.0
Bremer	1	218	Janesville	Chickasaw county	13.7		3.8		17.5	
	2	10	Butler county	No. 59						
	3	50	No. 59	Payette county	12.3		10.7		23.0	
	4	98	Black Hawk county.....	Chickasaw county	13.7		5.1		18.8	
			No. 59	Sumner	3.5	9.3			12.8	
Total					43.2	9.3	19.6			72.1
Buchanan	1	20	Black Hawk county.....	Winthrop		1.4		15.1	16.5	
	2	20	Winthrop	Delaware county			6.8		6.8	
	3	11	Benton county	Independence	2.8	8.5			11.3	
	4	11	Payette county	Independence			11.4		11.4	
Total					2.8	9.9	18.2	15.1		46.0
Buena Vista	1	5	Storm Lake	Cherokee county			7.9		7.9	
	2	5	Storm Lake	Pocahontas county						
	3	71	No. 5	Sac county			19.2		19.2	
	4	71	Pocahontas county.....	Clay county			21.7		21.7	
			Clay county	E. Jct. No. 10						
			W. Jct. No. 10.....	Storm Lake			18.0		18.0	
Total							67.4			67.4
Butler	1	20	On Grundy county line.	Bremer county			1.8		1.8	
	2	10	Franklin county.....	Clarksville	6.1		20.5		26.6	
	3	55	No. 10	Grundy county south of						
	4	20	Unit No. 1 (on Grundy	New Hartford			17.9		17.9	
			county line) to							

*See Polk and Dallas counties.

	4	14	Floyd county	Allison						
			No. 10	Parkersburg						
			No. 20	Grundy county	2.1		20.9		23.0	
Total					8.2		61.1			69.3
Calhoun	1	5	Webster county	Pomery			11.8		11.8	
	2	20	Webster county	Sac county			23.7		23.7	
	3	151	No. 17	Sac county			9.2		9.2	
	4	124	No. 17	Twin Lake Park						
		17	Greene county	No. 5			28.8		28.8	
Total							73.5			73.5
Carroll	1	30	Crawford	Carroll county line.....			.2		.2	
	2	30	Unit No. 1	Greene county			23.3		23.3	
	3	71	Audubon county	Sac county	16.7		9.5		26.2	
	4	46	Greene county	E. Jct. No. 71	18.5		2.1		20.6	
			W. Jct. No. 71	Manning						
Total							35.2	35.1		70.3
Cass	1	23	Pottawatomie county.....	Adair county	8.9	15.3		.5	24.7	
	2	71	Audubon county	Atlantic						
	3	100	Montgomery county.....	No. 32	8.5	16.9			25.4	
	4	24	No. 71	Griswold						
		71	Cass county	Adair county	23.1				23.1	
				Grant	*					
Total					40.5	32.2		.5		73.2
Cedar	1	30	Linn county	Clinton county	4.9	18.4			23.3	
	2	38	Jones county	Stanwood						
	3	139	No. 30	Muscatine county	6.4	20.5			26.9	
	4	74	Johnson county	No. 33			11.5		11.5	
			Tipton	Scott county			13.9		13.9	
Total					11.3	64.3				75.6
Cerro Gordo	1	65	Franklin county	End of paving						
	2	18	Hancock county	Floyd county				32.8	32.8	
	3	65	Worth county	End of paving			5.4		5.4	
	4	107	Clear Lake	Thornton			11.7		11.7	
		106	No. 107	Bayside			3.2		3.2	
Total							30.3	32.8		53.1

*See Montgomery county.

SCHEDULE NO. 25—Continued

County	Unit	Primary Road No.	From	To	Condition November 30, 1920				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Cherokee	1	5	Buena Vista county	Plymouth county	.8		20.4		30.2	
	2	21	Ida county	O'Brien county			24.4		24.4	
	3	110	No. 21	Larabee						
	4	31	Woodbury county	No. 21	2.8		12.1		14.9	
	4	145	No. 5	Meriden						
Total		143	No. 5	Marcus			7.5		7.5	
					3.6		73.4		77.0	
Chickasaw	1	18	Floyd county	New Hampton			11.2		11.2	
	2	218	Floyd county	Bremer county			3.0		3.0	
	3	59	Howard county	Bremer county	.2		20.1		20.3	
	4	16	No. 59	Fayette county			11.2		11.2	
Total					.2		45.5		45.7	
Clarke	1	152	No. 34	Murray						
	2	34	Union county	Osceola	10.2		3.1		13.3	
	3	34	Lucas county	Osceola	.2		10.2		10.4	
	4	65	Warren county	Osceola			12.1		12.1	
	4	65	Decatur county	Osceola			9.0		9.0	
Total					10.4	34.4			44.8	
Clay	1	10	Buena Vista county	O'Brien county			6.7		6.7	
	2	71	Dickinson	Clay county line			.3		.3	
	3	18	Palo Alto county	O'Brien county			22.9		22.9	
	4	71	Spencer	Unit No. 2			6.9		6.9	
	5	71	Spencer	Buena Vista county			16.0		16.0	
Total						53.8		53.8		
Clayton	1	18	Fayette	Clayton county line			.4		.4	
	2	18	Fayette county	Allamakee county			.4		.8	
	2	112	Calyton	Delaware county line			1.2		1.2	

Total	3	18	Marquette	Allamakee county	2.4				2.4	
	4	56	Elkader	Fayette county	10.6				10.6	
	5	128	No. 13	No. 53						
	6	13	Elkader	No. 18			19.2		19.2	
	7	53	No. 13	Dubuque county	21.0		8.1		29.1	
	7	12	Strawberry Point	Elkader	.3		13.8		14.1	
	8	18	McGregor	Allamakee county		2.7	17.4		20.1	
	9	10	Strawberry Point	Fayette county						
	9	13	Strawberry Point	Unit No. 2	7.2				7.2	
	Total				41.5	2.7	60.5		104.7	
Clinton	1	30	Cedar county	Clinton						
	2	61	Dewitt	Scott county						
	2	90	No. 30	Camanche			.3	36.7	37.0	
	3	99	Scott county	Camanche	3.4		2.3		5.7	
	4	61	Dewitt	Jackson county			15.3		15.3	
Total	4	136	No. 61	Charlotte					19.7	
	5	136	Lyons	Charlotte	10.7			16.4	16.4	
Total					14.1	17.6	.3	53.1	85.1	
Crawford	1	30	Carroll	Crawford county line			.3		.3	
	2	30	West Side	Harrison county			16.9		25.7	
	3	4	Denison	Ida-Sac county line			.5	12.3	12.8	
	4	141	Denison	Monona county			19.4		19.4	
	5	30	Dunlap	Crawford county						
	6	37	In Harrison county							
	6	45	No. 4	Manilla						
Total	7	4	Denison	Shelby county			17.2		17.2	
	7	37	Monona county	Harrison county			4.7		4.7	
Total						55.7	24.4		80.1	
Dallas	1	32	Madison county	Dallas county line					.3	
	2	7	Polk county	Guthrie county	.3				24.0	
	3	32	Polk county	Unit No. 1			27.7		27.7	
	4	16	Adel	Boone county						
	4	17	No. 16	Boone county						
	5	95	No. 16	Woodward			25.4		25.4	
Total	5	60	Polk county	Dallas county line			.5		.5	
	6	16	Adel	Madison county	8.1				8.1	
Total					8.4		77.6		86.0	

*See Harrison county.

SCHEDULE NO. 25—Continued

County	Unit	Primary Road No.	From	To	Condition November 30, 1926				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Davis	1	3	Appanoose county	Bloomfield		12.0			12.0	47.4
	2	3	Van Buren county	Bloomfield		14.2			14.2	
	3	63	Wapello county	Bloomfield		9.3	1.0		10.3	
	4	63	Missouri	No. 3	2.4	8.5			10.9	
Total					2.4	44.0	1.0			
Decatur	1	3	Ringgold county	Leon	10.9	4.1			15.0	53.1
	2	3	Wayne county	Leon	10.5				10.5	
	3	65	Clarke county	Leon		10.6			10.6	
	4	68	Missouri	Leon		17.0			17.0	
Total					21.4	31.7				
Delaware	1	20	Dyersville	Buchanan county			22.4		22.4	50.1
	2	13	Clayton	Delaware county line						
	3	112	No. 12	Edgewood			1.2		1.2	
	4	13	Linn county	Unit No. 2			23.3		23.3	
	5	116	No. 20	Hopkinton	10.6				10.6	
Total					12.2		46.9			
Des Moines	1	34	Burlington	Middletown				8.8	8.8	39.2
	2	80	Burlington	No. 34						
	3	61	Burlington	Louisa county	16.7				16.7	
	4	61	Henry county	Middletown	3.0	4.0			7.0	
Total					3.7		3.0		6.7	
Dickinson	1	9	Emmet county	Osceola county			23.1		23.1	41.5
	2	71	Clay-Dickinson Co. line	Spirit Lake			.2		.2	
	3	71	Spirit Lake	Minnesota			7.4		7.4	
	4	71	Milford	Spirit Lake			6.0		6.0	
	5	71	Unit No. 2	Milford				4.8	4.8	
Total							36.7	4.8		

Dubuque	1	53	Dubuque	Clayton county		12.9	6.0	7.4	26.3	81.7
	2	20	Dubuque	Dyersville			20.9		20.9	
	3	161	Dubuque	Cascade			22.6		22.6	
	4	61	No. 161	Jackson county	7.0		4.9		11.9	
Total					7.0	12.9	54.4	7.4		
Emmet	1	9	Kossuth county	Dickinson county			22.3		22.3	40.0
	2	43	Armstrong	Minnesota			8.0		8.0	
	3	17	Palo Alto county	Estherville			9.7		9.7	
Total							40.0			
Fayette	1	18	Fayette county	Allamakee county						106.2
	2	18	Clayton	Fayette county line			.4		.4	
	3	10	Unit No. 1	Chickasaw county	.7		26.7		27.4	
	4	154	Clayton county	Bremer county			24.3		24.3	
	5	11	No. 11	Oelwein						
	6	11	Buchanan county	West Union			34.0		34.0	
Total					20.8		85.4			
Floyd	1	16	Nora Springs	Charles City				16.8	16.8	67.5
	2	218	Floyd	Mitchel county			5.6		5.6	
	3	14	Charles City	Chickasaw county	2.9	6.0			14.5	
	4	147	No. 147	Charles City						
	5	18	Butler county	No. 14	6.4		12.3		18.7	
Total					21.3	6.0	23.4	16.8		
Franklin	1	20	Ackley	Butler county			.4		.4	42.5
	2	10	Hampton	Butler county			8.7		8.7	
	3	65	Hampton	Sheffield			8.1		8.1	
	4	65	Hampton	Hardin county			12.0		12.0	
	5	10	Hampton	Wright county			13.3		13.3	
Total							42.5			
Fremont	1	3	Sidney	Missouri River	13.2				13.2	14.1
	2	3	Sidney	Page county	13.1	1.0			14.1	

*See Clayton county.

SCHEDULE NO. 25—Continued

County	Unit	Pri- mary Road No.	From	To	Condition November 30, 1926				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Fremont—Continued	3	4	State of Missouri	Tabor	.6	18.1			18.7	
	4	48	State of Missouri	Page county	6.7				6.7	
	5	42	No. 4	Riverton	3.8				3.8	
Total					57.4	19.1				56.5
Greene	1	17	Jefferson	North end paving				23.9	23.9	
		30	Boone county	Carroll county						
	2	17	North end paving	Calhoun county			14.1		14.1	
	3	25	Guthrie county	Scranton						
	4	46	Carroll county	No. 25		3.9	10.6		14.5	
5	144	Grand Junction	Webster county			12.3		12.3		
	17	No. 30	Boone county			7.8		7.8		
Total						3.9	44.8	23.9		73.6
Grundy	1	30	Butler	Grundy county line			1.7		1.7	
	2	14	Grundy Center	No. 58			11.7		11.7	
		58	No. 14	Harda county						
	3	30	Grundy Center	Black Hawk county			11.4		11.4	
	4	14	Marshall county	No. 58			10.0		10.0	
	5	14	Grundy Center	Butler county			13.1		13.1	
	6	57	No. 14	Black Hawk county			11.3		11.3	
	20	Black Hawk county	Butler county			4.9		4.9		
Total							64.2			64.2
Guthrie	1	32	Guthrie-Adair Co. line		2.0				2.0	
	2	7	Audubon county	Dallas county		8.1	14.3		22.4	
	3	32	Adair	Unit No. 1	7.9	8.5			16.4	
	4	25	Guthrie Center	Greene county	13.5		1.0		14.5	
	5	25	Guthrie Center	Adair county	14.9				14.9	
Total					28.3	16.6	15.3			70.2

Hamilton	1	20	Hardin county	Webster county			22.1		22.1	
	2	15	Story county	No. 30						
			No. 20	Wright county			22.7		22.7	
	3	60	Boone county	Webster City			16.7		16.7	
	4	60	No. 20	Wright county			6.0		6.0	
Total							67.5			67.5
Hancock	1	18	Cerro Gordo county	Kossuth county				24.3	24.3	
	2	15	No. 18	Winnebago county			10.5		10.5	
	3	15	Garner	Wright county			12.7		12.7	
	4	111	Britt	Kanawha			10.4		10.4	
Total							38.6	24.3		57.9
Hardin	1	20	Ackley	Butler county			.4		.4	
	2	65	Iowa Falls	Story county			22.6		22.6	
	3	58	No. 65	Grundy county						
		134	No. 65	No. 58						
		118	No. 58	State Park			.4	17.4	17.8	
	4	20	Iowa Falls	Hamilton county				12.1	12.1	
	5	65	No. 30	Franklin county						
	20	Iowa Falls	Ackley			12.9		12.9		
Total						.4	65.4			65.8
Harrison	1	30	Dunlap	Pottawattamie county		27.5			27.5	
	2	75	Missouri Valley	Monona county	5.0	20.8			25.8	
	3	127	Logan	No. 73			9.6		9.6	
	4	39	No. 30	Shelby county			9.5		9.5	
	5	30	Crawford county	Dunlap						
	37	Dunlap	Crawford county		.5	.3		.8		
Total					24.6	48.6				73.2
Henry	1	34	Jefferson county	Des Moines county		17.6			17.6	
	2	161	Mt. Pleasant	Washington county		12.1			12.1	
	3	161	Mt. Pleasant	Lee county	1.3	8.7			10.0	
	4	133	Mt. Pleasant	Oakland Mills						
		125	No. 161	Salem		6.6			6.6	
	78	No. 161	Winfield		5.6			5.6		
Total					13.5	38.4				55.9
Howard	1	130	Howard-Winneshiek county line							
		9	Riceville	Winneshiek county		.5	22.9		23.4	
	2	59	No. 9	Chester	5.2		5.0		10.2	

SCHEDULE NO. 25—Continued

County	Unit	Primary Road No.	From	To	Condition November 30, 1920				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Howard—Continued	3	59	No. 9	Chickasaw county			10.9		10.9	
	4	52	No. 50	Elma			6.5		6.5	
Total					5.2	.5	45.3			51.0
Humboldt	1	10	Humboldt	Gilmre City			11.0		11.0	
	2	10	Unit No. 4	Wright county			12.2		12.2	
	3	16	Humboldt	Kossuth county			11.8		11.8	
	4	16	Dakota City	Webster county			5.8		5.8	
Total							40.8			40.8
Ida	1	20	Sac county	Woodbury county						
		131	No. 25	Woodbury county			15.7		15.7	
	4	4	Ida	Sac county line			.5		.5	
	2	25	No. 21	Woodbury county		4.0	1.4	5.7		11.1
	4	35	Sac county	No. 21						
		21	No. 35	S. Jet. No. 20						
	21	Cherokee county	N. Jet. No. 20			4.0	18.8		22.8	
Total					4.0	5.4	40.7			50.1
Iowa	1	22	Poweshiek	Iowa county line			.4		.4	
	2	22	Victor	Johnson county			25.4		25.4	
	3	73	Marengo	Benton county	12.8				12.8	
	4	150	No. 22	Benton county	5.8	1.5			7.3	
	5	140	North English	No. 32	20.2				20.2	
Total					38.8	1.9	25.4			66.1
Jackson	1	61	Maquoketa	Dubuque county	.5	.8	14.0		15.3	
	2	117	Maquoketa	Subula	27.3				27.3	
	3	62	Maquoketa	Belle View	7.6	12.2			19.8	
	4	117	Maquoketa	Jones county	11.8				11.8	
	5	61	Maquoketa	Clinton county			1.5		1.5	
Total					35.4	24.8	15.5			75.7

Jasper	1	63	Unit No. 2	Marion county			15.4		15.4	
	2	63	Polk-Jasper Co. line				.5		.5	
	3	14	Marion county	Newton	13.1				13.1	
	4	14	Newton	Marshall county	14.4				14.4	
	5	32	Polk county	Newton			10.8	4.2	15.0	
	6	32	Newton	Poweshiek county		9.5		.8	10.3	
	7	94	Colfax	Story county			14.6		14.6	
Total					27.5	9.5	42.1	9.1		88.2
Jefferson	1	24	Fairfield	Wapello county		10.4			10.4	
	2	24	Fairfield	Henry county		6.1		5.6	11.7	
	3	1	Fairfield	Washington county						
	4	77	No. 1	Keokuk county			17.2		17.2	
	1	Fairfield	Van Buren county			6.8		6.8		
Total						40.5		5.6		46.1
Johnson	1	22	Iowa county	Muscatine county						
	2	109	Oxford	No. 32	8.6	1.0		16.2	25.8	
	3	161	Iowa City	Linn county		15.3		.1	16.4	
	3	1	Iowa City	Washington county		14.6			14.6	
	4	161	Iowa City	Washington county	3.0	6.7			9.7	
	5	159	Iowa City	Cedar county		7.7			7.7	
Total					11.6	45.3		16.3		73.2
Jones	1	161	Anamosa	Linn county			4.9		4.9	
	2	161	Anamosa	Monticello			10.0		10.0	
	3	161	Monticello	Cascade			9.4		9.4	
	4	117	Anamosa	Jackson county	1.5	4.8		15.0	21.3	
	5	28	No. 117	Cedar county	.8	7.1			7.9	
	6	158	Wyoming	Oxford Jet.	7.2				7.2	
Total					9.5	11.9	29.3			60.7
Keokuk	1	2	Sigourney	Mahaska county						
		108	No. 2	Delta						
		85	No. 2	What Cheer	2.8	1.0	10.5		14.3	
	2	2	Sigourney	Washington county		12.7			12.7	
	3	149	No. 2	Iowa county	1.9	14.5			16.4	
	4	62	Wapello county	No. 149						
	149	No. 63	Sigourney	12.2	7.7			19.9		
	77	Jefferson county	Keota	14.1				14.1		
Total					31.0	35.9	10.5			77.4

SCHEDULE NO. 25—Continued

County	Unit	Primary Road No.	From	To	Condition November 30, 1926				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Kosuth	1	9	Winneshoek county	Emmet county			22.8		22.8	88.7
	2	18	Algona	Palo Alto county			11.0		13.0	
	3	18	Algona	Hancock county				12.3	12.3	
	4	16	No. 9	Minnesota				11.0	11.0	
	5	16	Humboldt county	No. 9			31.5		31.5	
Total							76.4	12.3		
Lee	1	3	Van Buren county	No. 61	18.6				18.6	82.8
	2	103	Ft. Madison	No. 161	15.4				15.4	
	3	161	Henry county	Summitville	3.0	24.1			27.1	
	4	61	Ft. Madison	Jct. No. 161						
	5	61	Ft. Madison	Des Moines county	7.9	.8			8.7	
			Keokuk	Summitville					13.0	
			Ft. Madison	Montrose					13.0	
Total					44.9	24.9	13.0			
Linn	1	161	Kenwood Park	Marion						66.8
	2	161	Benton county	Cedar county				20.8	20.8	
	3	161	Cedar Rapids	Johnson county				6.6	6.6	
	4	94	Marion	No. 30		5.9			5.9	
	5	150	Unit No. 6	No. 30		6.5			6.5	
	6	13	Marion	Delaware county		3.8	18.7		22.5	
	7	11	Cedar Rapids	Linn county line		1.3			1.3	
	8	161	Marion	Benton county		22.2			22.2	
			Marion	Jones county			11.0		11.0	
Total						39.7	29.7	27.4		
Lousa	1	61	Des Moines county	Muscatine county		17.9	1.5		19.4	52.2
	2	76	Wapello	Columbus Junction		12.2	.6		12.8	
	3	2	Washington county	No. 61	7.6	7.6		1.9	16.5	
	4	76	Columbus Jct.	Muscatine county	3.5				3.5	
Total					11.1	37.7	2.1	1.3		

Lucas	1	34	Chariton	Clarke county		11.5			11.5	54.6
	2	34	Chariton	Monroe county						
	3	14	Chariton	Russell	5.0	6.4			11.4	
	4	14	Chariton	Marion county	7.8	5.9			13.7	
	5	137	Chariton	Wayne county	6.0	1.4			7.4	
			No. 34	Warren county	10.6				10.6	
Total					29.4	25.2				
Lyon	1	9	Oseeola county	South Dakota			34.1		34.1	66.1
	2	75	Sioux county	Minnesota			16.2		16.2	
	3	19	Doon	Missouri River			15.8		15.8	
Total							66.1			
Madison	1	32	Dallas-Madison Co. line	Union county		.2			.2	56.2
	2	16	Winterset	Marion county	29.2				29.2	
	3	70	No. 16	Macburg						
	4	24	Winterset	Adair county	2.3				2.3	
	5	16	Winterset	Beverington		12.1			12.1	
			Winterset	Dallas county		11.4			11.4	
Total					32.7	23.5				
Mahaska	1	63	Oskaloosa	Marion county		9.9		2.9	12.8	86.0
	2	2	Oskaloosa	Keokuk county		1.2	8.0	2.4	11.6	
	3	24	Oskaloosa	Marion county	6.5	5.1			11.6	
	4	59	Oskaloosa	Eddyville			4.6	3.6	8.2	
	5	59	Oskaloosa	Poweshiek county	18.9	3.9			22.8	
	6	146	New Sharon	Poweshiek county	16.3	1.7			18.0	
Total					41.7	21.8	12.6	8.9		
Marion	1	63	Jasper county	Mahaska county			13.1		13.1	90.3
	2	6	Knoxville	Warren county						
	3	24	Pleasantville	Warren county	7.4	13.1			20.5	
	4	14	Knoxville	Mahaaska county	3.7	8.7			12.4	
	5	6	Knoxville	Jasper county	.3	13.3			13.6	
	6	14	Knoxville	Monroe county	8.4	7.8			16.2	
			Knoxville	Lucas county	10.0	4.5			14.5	
Total					29.8	47.4	13.1			
Marshall	1	30	Tama county	Story county (pavement)				27.6	27.6	8.3
	2	14	Paving N. & S. of Marshalltown	Grundy county			8.3		8.3	

SCHEDULE NO. 25—Continued

County	Unit	Primary Road No.	From	To	Condition November 30, 1926				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Marshall—Continued	3	14	Jasper county	S. end paving			12.6		12.6	
	4	30	C. & N. W. and M. & St. L. R. R. crossings No. 30.	Le Grand			.8		.8	
	Total						21.7	27.6		49.3
Mills	1	34	Pottawattamie county	W. Jct. No. 4	3.3	8.9			13.1	
	2	34	W. Jct. No. 4.	Montgomery county						
	4	41	No. 34.	Malvern	7.2	8.8			16.0	
	3	4	Jct. No. 34.	Fremont county	8.5				8.5	
4	4	No. 34.	Pottawattamie county	11.9				11.9		
Total					30.8	17.7				48.5
Mitchell	1	9	Osage	Worth county			9.8		9.8	
	2	9	Osage	Riceville	.4		16.8		17.2	
	3	218	No. 9	Floyd county			7.1		7.1	
	4	218	Osage	Minnesota			19.8		19.8	
	5	105	St. Ansgar	Worth county	5.9				5.9	
Total					6.3		53.5			59.8
Monona	1	75	Onawa	Woodbury county			12.4		12.4	
	2	75	Onawa	Harrison county			10.6		10.6	
	3	37	Onawa	Crawford county			24.5		24.5	
	4	33	No. 141.	Woodbury county						
4	141	Crawford county	Woodbury county	1.0	19.4			20.4		
Total					1.0	54.5	12.4			67.9
Monroe	1	6	Albia	Marion county	.5	8.5			9.0	
	2	59	Albia	Unit No. 6	13.7				13.7	
	3	34	Albia	Wapello county			8.3		8.3	
	4	34	Albia	Lucas county						
	6	68	No. 34.	Melrose	3.0	14.2			17.2	
Total					6.2	22.7				36.9
Total	5	6	Albia	Appanoose county	5.7	2.5			8.2	
	6	59	Eddyville bridge	No. 34	11.3				11.3	
	7		Bucknell							
Total					34.3	33.5				67.7
Montgomery	1	34	Red Oak	Mills county	8.1				8.1	
	2	130	No. 34.	Stanton						
	3	34	Red Oak	Adams county	2.0	15.4			17.4	
	3	48	Page county	No. 34	10.6				10.6	
	4	79	Page county	S. Jct. No. 34	9.9	6.9			16.8	
4		N. Jct. No. 34.	Cass county							
Total					30.6	22.3				52.9
Muscatine	1	32	Scott-Muscatine county line	Blue Grass	*					
	2	22	Muscatine county	Unit No. 1	.3	35.1	.8	.4	27.6	
	3	32	Johnson county	Louisa county	18.6				18.6	
	4	76	West Liberty	Cedar county	5.8	5.0			10.8	
	5	38	Muscatine	Unit No. 2		15.9			15.9	
	6	22	No. 38.	Scott county	13.3				13.2	
	7	61	Muscatine	Louisa county			8.2		8.2	
	8	61	Muscatine							
Total					32.1	31.0	29.9	.4		94.3
O'Brien	1	18	Clay county	Sheldon				22.5	22.5	
	2	10	Clay county	Sioux county	8.9		16.8		27.7	
	3	21	Osceola	No. 18						
	3	71	No. 18.	W. Jct. No. 30.						
3		E. Jct. No. 10.	Cherokee county			23.5		23.5		
Total					8.9		42.3	22.5		73.7
Osceola	1	9	Lyon county	Dickinson county			25.4		25.4	
	2	21	O'Brien county	Minnesota			17.3		17.3	
Total							42.7			42.7
Page	1	3	Clarinda	Taylor county		5.8			5.8	
	2	3	Clarinda	Shenandoah		16.8			16.8	
	3	71	No. 2.	Montgomery county		11.5			11.5	
	4	48	Fremont county	Montgomery county	16.4				16.4	

*See Scott county.

SCHEDULE NO. 25—Continued

County	Unit	Pri- mary Road No.	From	To	Condition November 30, 1926				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Page—Continued	5	71 84	Clarinda No. 71	Braddyville College Springs		16.3			16.3	
Total					16.4	50.4				66.8
Palo Alto	2	18	Emmetsburg	Clay county			11.9		11.9	
	2	18	Emmetsburg	Kossuth county			11.9		11.9	
	3	17	Emmetsburg	Emmet county			12.6		12.6	
	4	17	Emmetsburg	S. end paving				11.0	11.0	
	5	17	S. end paving	Pocahontas county			2.0		2.0	
Total							38.4	11.0		49.4
Plymouth	1	75	Le Mars	Woodbury county				16.6	16.6	
	2	5	Le Mars	Cherokee county		14.7			14.7	
	3	140	Woodbury county	No. 5	4.4	15.2			19.6	
	4	27	Le Mars	Akron	.2	29.0			29.2	
	5	75	Le Mars	Sioux county			7.4		7.4	
	6	12	Woodbury county	Akron	22.3				22.3	
	7	22	Woodbury county	No. 27		17.6			17.6	
Total					26.9	67.5	7.4	16.6		118.4
Pocahontas	1	10	Buena Vista county	No. 17			12.2		12.2	
	2	17	No. 5	Palo Alto county			21.2		21.2	
	3	44	No. 10	Route			9.0		9.0	
	4	10	Pocahontas	Gilmore City			10.8		10.8	
	5	5	Calhoun county	Buena Vista county			15.0		15.0	
Total							64.2			64.2
Polk	1	65-28 7-6-123 32-60 132	Concrete pavement N. S. W. of Des Moines							
	2	63	Jasper-Polk county line					59.2	59.2	
							5		.5	
	3	63-32 129	Concrete pavement E. of Des Moines	Bondurant			2.3	30.2	32.5	
	4	88	Altoona	Camp Dodge				4.9	4.9	
	5	60	Des Moines	Dallas-Polk county line			.5		.5	
	6	87	Dallas-Polk county line No. 65	Elkhart			3.5		3.5	
Total							6.8	84.3		91.1
Pottawattamie	1	30	Council Bluffs	Harrison county		17.0			17.0	
	2	7	Council Bluffs	Shelby county	21.2	10.7			31.9	
	3	32	Council Bluffs	Cass county	29.8	6.8			36.6	
	4		Road 104 from No. 32 to	Macedonia discontinued as primary road April 5, 1926						
	5	34	End of paving	Mills county		5.8			5.8	
	6	85	Council Bluffs	Lake Monawa			1.2		1.2	
	7	34	Council Bluffs	End of paving				1.1	1.1	
	8	53	Avoca	Walnut						
	4	4	Mills county N. Jet. 32	S. Jet. No. 32 Avoca	26.9				26.9	
Total					77.9	40.3	1.2	1.1		120.5
Poweshiek	1	32	Iowa-Poweshiek county line	Unit No. 1	8.9	.5			9.4	
	2	32	Brooklyn	Brooklyn			16.0		16.0	
	3	32	Jasper county	E. Jet. No. 32						
	4	59	Mahaska county	Tama county	.1		23.4		23.5	
	5	146	W. Jet. No. 32 Mahaska county	Grinnell	18.6				18.6	
Total					27.6	.5	39.4			67.5
Ringgold	1	3	Mt. Ayr	Taylor county		7.0	4.2	1.5	12.7	
	2	16	Mt. Ayr	Missouri		12.7	3.3		16.0	
	3	16	Mt. Ayr	Union county				12.4	12.4	
	4	3	Mt. Ayr	Decatur county	.2	11.0			11.2	
Total				Calhoun county		19.9	18.5	13.9		52.3
Sac	1	30	Sac City				6.3		6.3	
	2	4	Ida-Sac county line				.5		.5	
	3	20	Sac City	Ida county			21.1		21.1	
	4	71	Early	Buena Vista county			6.7		6.7	
	5	151	Caloun county	No. 71						
	6	71	Carroll county	Sac City			20.5		20.5	
	6	35	No. 71	Odebolt						

SCHEDULE NO. 25—Continued

County	Unit	Primary Road No.	From	To	Condition November 30, 1928				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Sac—Continued		38	No. 35	Wall Lake						
		35	W. Jet. No. 4	Ida county			14.6		14.6	
		4	Ida county	No. 20			18.8		18.8	
Total							88.5			88.5
Scott	1	32	Scott-Muscatine Co. line	Muscatine county		3.0			3.0	
	2	22	Blue Grass				1.2		1.2	
	3	61, 74, 89	All brick pavement					23.6	23.6	
	4	32, 99, 61, 22, 74	Old concrete pavement				.2		45.7	45.9
	5	99, 122	Le Claire	Clinton county	No. 74				9.0	9.0
Total					3.2	1.2		78.3		82.7
Shelby	1	39	Harlan	Harrison county		11.1			11.1	
	2	7	Harlan county	Avoca						
	3	7	Harlan	Audubon county		12.3			12.3	
	4	4	Harlan	Pottawattamie county						9.8
	5	4	Harlan	Crawford county		14.5			14.5	
Total					14.5	33.2				47.7
Sioux	1	10	Orange City	Alton				4.4	4.4	
		18	No. 75	Hull						
	2	10	O'Brien county	Alton						
		26	No. 75	Hawarden			27.0		27.0	
	4	75	Plymouth county	Rock Valley			27.6		27.6	
	19	Hull	O'Brien county			13.8		13.8		
Total							68.4	4.4		72.8

*See Pottawattamie county.

Story	1	30	Marshall county	Boone county			30.7		30.7	
	2	65	Ames	Polk county			9.5		9.5	
	3	115	No. 15	Story City						
		15	Ames	Hamilton county			13.1		13.1	
	4	65	No. 30	Hardin county			12.8		12.8	
	5	64	Jasper county	No. 30			10.0		10.0	
Total							66.1			66.1
Tama	1	30	Marshall county	Benton county	5.0	20.5			25.5	
	2	59	Toledo	Black Hawk county			25.1		25.1	
	3	59	Tama	Poweshiek county			6.4		6.4	
	4	96	Gladbrook	No. 29			6.3		6.3	
	5	8	Tracer	Benton county	3.0	5.0			8.5	
Total					5.6	26.4	37.8			69.8
Taylor	1	3	Bedford	Page county			19.9		12.9	
	2	3	Bedford	Ringgold county			14.0		14.0	
	3	143	Bedford	Missouri	6.2				6.2	
	4	143	Bedford	Adams county		15.4			15.4	
	5	49	Lenox	Adams county	1.0				1.0	
Total					7.2	42.3				49.5
Union	1	34	Afton	Adams county		15.0			15.0	
	2	34	Afton	Clarke county		4.9	4.4		9.3	
	3	25	Oreston	Adair county		8.5			8.5	
	4	16	Afton	Ringgold county		6.4	2.6		9.0	
	5	16	Afton	Madison county		10.4			10.4	
Total					25.3	22.5	4.4			52.2
Van Buren	1	1	Keosauqua	Jefferson county			10.8		10.8	
	2	1	Keosauqua	No. 3		3.7			3.7	
	3	3	Milton	No. 1						
		23	Milton	Missouri	4.8	11.8			16.6	
	4	3	No. 1	Lee county						
	114	No. 3	Missouri							
	79	No. 3	Bonaparte		12.3	5.0		17.3		
Total					17.1	20.5	10.8			48.4
Wapello	1	63	Ottumwa	Madison-Keokuk Co. line		3.1		5.5	8.6	
	2	63	Ottumwa	Davis county		7.4			7.4	
	3	34	Ottumwa	Monroe county		11.6			11.6	
	4	34	Ottumwa	Jefferson county		9.1	1.0		10.1	
	5	98	Eldon	No. 34		5.4			5.4	

SCHEDULE NO. 25—Continued

County	Unit	Primary Road No.	From	To	Condition November 30, 1926				Total Miles in Unit	Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		
Wapello—Continued	6	59	Eddyville Bridge							
Total					14.5	23.1		5.5	43.1	
Warren	1	24	Madison county	Martensdale						
	2	28	Martensdale	Polk county	3.3	7.4	2.2		12.9	
	3	137	No. 65	Lucas county	2.1	3.9			12.0	
	3	6	Polk county	Marion county	10.1		1.2		11.3	
	4	65	Indianola	Polk county			9.8		9.8	
	6	65	Indianola	Clarke county		10.5	4.8		15.3	
	6	24	Martensdale	Marion county	20.9				20.9	
Total					42.4	21.8	18.0		82.2	
Washington	1	2	Keokuk county	Louisa county	2.1	22.3	1.0		25.4	
	2	1	Washington	Johnson county			14.5		14.5	
	3	1	Washington	Jefferson county	4.3	6.2	1.6		12.1	
	4	161	Johnson county	Henry county	23.3				23.3	
	5	51	No. 1	Wellman	9.5				9.5	
Total					41.2	28.5	17.1		86.8	
Wayne	1	3	Decatur county	Corydon		15.5			15.5	
	2	40	No. 3	Alberton						
	2	14	Lucas county	Corydon	.1	9.2			9.3	
	3	65	No. 3	Lineville	12.5				12.5	
	4	66	No. 3	Humeston	6.5				6.5	
	5	3	Corydon	Appanoose county						
	6	67	No. 3	Seymour		15.1			15.1	
Total					19.1	39.8			58.9	
Webster	1	5	Ft. Dodge	Calhoun county			13.1		13.1	
	2	20	Ft. Dodge	Duncombe			11.2		11.2	
	3	16	Ft. Dodge	Humboldt county			9.2		9.2	
	4	20	Ft. Dodge	Calhoun county			12.5		12.5	
	5	16	Ft. Dodge	Harcourt						
	144	14	No. 16	Greene county			24.2		24.2	
	47	144	No. 144	Gowrie						
	6	16	Boone county	Harcourt						
	91	16	No. 16	Dayton						
	50	16	No. 16	Lehigh			16.0		16.0	
	121	50	No. 50	State Park						
Total							86.2		86.2	
Winnebago	1	9	Kossuth county	No. 15			21.3		21.3	
	2	9	Forest City	Worth county			6.5		6.5	
	3	15	Forest City	Minnesota					21.4	
	105	15	Lake Mills	Worth county						
Total							49.2		49.2	
Winnesiek	1	53	Allamakee county	Calmar		13.4			13.4	
	2	150	Howard county	Minnesota	11.7	.5			12.2	
	3	53	Decorah	Minnesota	7.3	7.4			14.7	
	4	9	Decorah	Howard county			15.1		15.1	
	5	9	Decorah	Allamakee county		7.5	3.0		10.5	
	6	11	Fayette county	Calmar						
	53	53	Calmar	No. 9	7.8		8.7		16.5	
Total					26.8	28.8	26.8		82.4	
Woodbury	1	75	Sioux City	Monona county				69.2	69.2	
	141	75	Sioux City	End of paving						
	20	75	Sioux City	Cushing						
	2	141	End of paving	Monona county		17.3			17.3	
	3	31	Smithland	Oto						
	3	35	Monona county	Ia county		5.0			5.0	
	4	31	Oto	Anthon			7.7		7.7	
	5	31	Anthon	No. 29	6.0	6.1			12.1	
	6	140	Correctionville	Cherokee county						
			Moville	Plymouth county	8.0				8.0	
Total					14.0	29.0	7.7	69.2	119.9	
Worth	1	65	Cerro Gordo county	Minnesota			14.2		14.2	
	2	105	Winnebago county	Mitchell county	3.0		21.0		24.0	
	3	9	Winnebago county	Mitchell county			22.4		22.4	
Total					3.0		57.6		69.6	

SCHEDULE NO. 25—Continued

County	Unit	Pri- mary Road No.	From	To	Condition November 30, 1929				Total Miles in Primary System
					Earth Road Not Built	Earth Road Built to Grade	Surfaced Gravel or Macadam	Paved		Total Miles in Unit
Wright	1	10	Hammond county	Clarion					10.0
	2	10	Clarion	Franklin county					11.2
	3	15	No. 10	Hancock county					10.5
	4	15	No. 10	Hamilton county					18.3
	5	60	Hamilton county	Goldfield					10.8
			Total		8.8	.7	51.3		61.8
					1,451.6	1,732.3	2,819.4	650.2	6,653.7

CHAPTER VIII

Work for Other State Departments

General.

Under the laws as they have been developed during the past several sessions of the General Assembly, the Commission has more and more been made the engineering agency for other state departments.

Road work at State Institutions under the State Board of Control and the State Board of Education, and at the State Parks under the State Board of Conservation, surveys and other engineering work at lakes and state parks, land surveys, engineering assistance to the Executive Council, and other engineering services to various state departments, make up the sum total of assistance extended by the Commission to other departments of State Government.

Organization.

The work outlined above is under the supervision of the Chief Engineer of the Commission. By legislative act he is general supervisor of the several road districts which comprise the public highways at state institutions and state parks. Under present laws the Board of Conservation may also call upon the Commission for engineering services necessary to carry out the work of the Board of Conservation.

General Summary.

The following table shows the approximate mileage and present condition of all public roads under the Board of Control and the Board of Education:

Institution	Number of Miles				
	Unim- proved	Graded	Gravel	Paved	Net
Ames, Iowa State College		.17	7.00	1.09	9.76
Anamosa, Men's Reformatory	4.38	.50			4.64
Cedar Falls, State Teachers' College			.56	.44	1.00
Cherokee, State Hospital	.50		2.07	.87	3.44
Clarinda, State Hospital	2.13	.55			4.41
Clive, State Custodial Farm	.78	1.84			2.72
Council Bluffs, School for Deaf	1.56	1.97		.78	2.39
Davenport, Orphans' Home				1.55	3.11
Eldora, Boys' Training School	.75		1.25	.50	2.50
Pt. Madison, State Penitentiary	2.94		.58	.06	3.58

Institution	Number of Miles				Net
	Unimproved	Graded	Gravel	Paved	
Glenwood, Institution for Feeble-minded Children	2.15	1.70			3.85
Independence, State Hospital			6.75		6.75
Iowa City, State University		1.48	.34	4.54	6.36
Marshalltown, Soldiers' Home				.66	.66
MitCHELLVILLE, Girls' Training School	1.18			.13	1.31
St. Pleasant, State Hospital	2.76	.12	.10		2.98
Oakdale, Sanatorium	.25		2.02		2.27
Rockwell City, Women's Reformatory			.75		1.00
Toledo, Juvenile Home	1.54	.74			2.28
Vinton, School for Blind	1.00				1.00
Woodward, State Hospital			5.86		5.86
Totals	22.17	8.13	30.01	10.87	71.18

The following table shows the approximate mileage and present condition of all public roads under the Board of Conservation:

Park	Number of Miles			
	Unimproved	Graded	Graveled	Total
*Algona				
Backbone	.30		4.74	5.04
Bellevue	.78	.75		1.53
Burlington	.43			.43
T. F. Clark	.25			.25
Clear Lake	.05		.28	.33
Devil's Backbone	1.34		.52	1.86
Dolliver	.38		2.63	3.01
Eagle Lake	.95			.95
Elbert				
Eldora			.71	.71
Farmington	.34		.12	.46
Fl. Atkinson	.63			.63
Fl. DeFrance				None
Glitch Manitou				None
*Guthrie Center				None
Hamburg				None
*Hamilton (Flinders)				None
Lacey-Keosauqua	4.63			4.63
Ledges	1.80	.47	2.03	4.30
Lepley		.13		.13
Lewis and Clark			.41	.41
Lost Island Lake				None
Medium Lake				None
Merrick				None
Moorehead Caves	.14			.14
Oakland Mills	1.40			1.40
Orleans			.18	.18
Pallades	.49		.75	1.24
Pilot Knob		1.22	.80	2.02
Rice Lake		.43		.43
Silver Lake	.39			.39
Storm Lake				None
Tuttle Lake				.15
Twin Lakes	.18		.23	.41
Wall Lake				None
Wapsipinicon	.24		3.04	3.28
Wild Cat Den				None
Oak Grove		.78		.78
Totals	14.01	4.39	15.30	34.96

*Note—Information as to boundaries and roads in these parks is lacking.

In addition to the highways above indicated, the Board of Conservation is in charge of approximately 68 meandered lakes, 9 meandered streams, and 40 state parks, which frequently involve engineering services in the way of reports, surveys or plans relative to administration, construction or maintenance.

Engineering advice has also been rendered to the State Fish and Game Department and to the Executive Council.

Schedules Number 26, 27 and 28 show expenditures on above highways for the fiscal year July 1, 1925, to June 30, 1926.

Details of Work Accomplished Under Board of Conservation.

(a) *Road Maintenance.* On public highways under the Board of Conservation, maintenance work has been supervised on approximately 25 miles. As new road improvements are made the amount of maintenance increases, both as to length of road and amount and type of maintenance. Roads existing in state parks at the time of their purchase have, in many instances, been little more than trails on which little maintenance could be accomplished until after construction. Consequently the maintenance work increases along with construction, and this phase of the work is being organized as rapidly as possible. In detail, the following method of maintenance is being pursued:

At the Backbone State Park in Delaware County a patrolman has been employed constantly during the last year. In addition, 10 men were paroled to the Park Custodian from the penal institutions and were utilized to a large extent to repair the flood damage of the previous year. This work is now completed.

At the Ledges State Park in Boone County a patrolman has been employed regularly by the day.

At Eldora Pine Lake State Park in Hardin County, maintenance work has been performed under the supervision of the county engineer and by the county maintenance forces which take care of adjoining county roads.

At Pilot Knob State Park in Hancock County, maintenance work has been carried on under the supervision of the county engineer of Winnebago County who acts as local supervisor.

At Dolliver Memorial State Park in Webster County the local park custodian has supervised the maintenance work, hiring local help to perform the work.

At Farmington State Park and at Lacey-Keosauqua State Park in Van Buren County the county maintenance crews have been

used to blade grade some of the roads. The remainder of the maintenance has been performed under the supervision of the local park custodian who has employed local help.

At the Wapsipinicon State Park in Jones County the roads are maintained by men from the Anamosa Reformatory working under the directions of the local park custodian.

At Lost Island State Park the roads are maintained by the county or township forces.

At Oakland Mills State Park the roads are maintained by the county forces.

At Twin Lakes State Park the roads are maintained by the county forces.

At the remainder of the parks such maintenance as is necessary has been done by the local custodians or in the cases where the park road is part of the primary or county system, by the county crews.

(b) *Road Construction.* Construction work has been active during the last season on public roads in the state parks. The work accomplished in detail to December 1, 1926, is as follows:

Work Held Over from Previous Year.

Backbone State Park, Delaware County. The reconstruction here necessitated by the Maquoketa River flood of 1924 was completed.

Wapsipinicon State Park, Jones County. A small amount of cinder surfacing was placed during the year but the project as a whole is still about 90 per cent complete. The two stone and concrete bridges built the previous year still lack cap-stones, although these are now being cut at the Reformatory. The total expenditures since the inception of this project to date, exclusive of the construction of the two bridges, is as follows:

Engineering	\$ 249.56
Motor expense	1,327.18
Equipment	213.04
Extra man and team	88.82
Culverts	384.45
Total	\$2,263.05

Palisades State Park, Linn County. Work was started at this park in 1924, but due to an epidemic of small-pox in 1925, very little was accomplished that year. Operations were not resumed until September, 1926, since which time the work previously done has been reshaped and a small amount of new work opened up. There are ten convicts paroled to the custodian here. Since the inception of this project the following amounts have been expended to date:

Engineering	\$ 295.73
Motor expense	1,789.68
Equipment	761.34
Extra man and team	447.59
Convict labor	1,540.41
Culverts	444.30
Total	\$5,279.05

Pilot Knob State Park, Hancock County. Arrangements were made in September, 1926, to complete the work left by the convict gang the previous season, and the grading is now completed. The gravel surface is yet to be placed. Since the inception of the project the following amounts have been expended to date:

Engineering	\$ 162.88
Motor expense	881.93
Equipment	141.56
Extra man and team	257.50
Convict labor	3,090.38
Earth excavation	1,592.50
Culvert	86.56
Total	\$6,213.31

Devil's Backbone State Park, Madison County. Work was started here in 1925 with convict labor and much difficult work has been accomplished thus far. 0.52 mile of road has been carved out of a rocky side hill and surfaced with crushed stone. Also a tunnel 150 feet long has been cleaned out, lined with concrete and cut stone portals put up. A ford has been constructed near the west face of the tunnel to carry one branch of the road over Middle River. All this work has been performed by convicts except the placing of the roof of the tunnel. The total cost since the inception of this project has been as follows:

Engineering	\$ 2,113.94
Motor expense	1,746.35
Equipment	8,647.34
Extra man and team	1,463.71
Convict labor	10,080.62
Tunnel roof	2,597.89
Culverts	292.50
Total	\$26,942.35

Work Completed.

Ledges State Park, Boone County. During the year 0.47 mile of road was blade graded, and 0.23 mile was graded and graveled with the use of the maintenance crew and such additional help as was needed.

Lost Island Lake State Park, Palo Alto County. The grading and

graveling of 0.44 mile was brought to completion at a final cost as follows:

Engineering	\$ 38.92
Motor expense	152.57
Equipment	48.63
Extra man and team.....	316.99
Convict labor	1,353.76
Surfacing	300.00
Culverts	136.50

Total.....\$2,347.37

Dolliver Memorial State Park, Webster County. The grading and graveling of 2.63 miles was brought to completion at a final cost as follows:

Engineering	\$ 2,122.36
Equipment	224.50
Excavation	13,818.28
Guard rail	831.97
Surfacing	1,220.28
Culverts	1,141.56

Total.....\$19,358.95

Eldora Pine Lake State Park, Hardin County. Repairs made necessary by heavy washes on the fills were made during the season and the road completed by the addition of guard rail.

Rice Lake State Park, Winnebago County. The grading of 0.42 miles of road was completed by the county maintenance forces. No costs are as yet available on this work.

New Work.

Bellevue State Park, Jackson County. Ten convicts were sent from the Reformatory at Anamosa to do the grading on 1.08 miles of road, some of it heavy side hill work in rock. The work is about 75 per cent completed and to date has cost as follows:

Engineering	\$ 368.53
Motor expense	185.21
Equipment	379.54
Extra man and team.....	481.25
Convict labor	1,398.63
Culverts	305.92

Total.....\$3,119.08

Lacey-Keosauqua State Park, Van Buren County. Work on the roads at this park was started late in September, 1926, by a force of ten convicts from the State Penitentiary at Ft. Madison. Much of their time since then has been spent upon work for the Board of Conservation not

related to road work, but they have accomplished the repair of two bad rock cuts on the road along the east side of the park. The cost of this work to date is as follows:

Engineering	\$ 195.69
Motor expense	110.62
Equipment	135.67
Extra man and team.....	6.00
Convict labor	64.30
Culverts	191.20

Total.....\$ 703.48

Surveys and Plans.

Bellevue State Park, Jackson County. Re-surveys and plans were made which increase the length of this project to 1.08 miles.

Ledges State Park, Boone County. A survey of the road on the west side of the river was made, involving a length of 1.80 miles.

Rice Lake State Park, Winnebago County. Surveys and plans were completed for 0.42 miles of road.

Lacey-Keosauqua State Park, Van Buren County. Re-surveys and plans were made correcting the existing plan of the road work.

Burlington State Park, Des Moines County. Preliminary investigations were made of the roads.

Wild Cat Den State Park, Muscatine County. A survey was made and tentative plans drawn up for 1.81 miles of road.

Hamburg State Park, Fremont County. Preliminary investigation was made of possible roads.

Other Services for the Board of Conservation.

In addition to the road work, the following services were performed for the Board of Conservation:

Des Moines River, Boone County. Investigation and report concerning the Markey Sand and Gravel Company's pit near the Lincoln Highway bridge.

Ledges State Park, Boone County. Survey and plans were made and the construction supervised of five retards in the Des Moines below the Sixteen-to-One Bridge.

Dolliver Memorial State Park, Webster County. Additional work was done on the survey of the boundaries.

Lewis and Clarke State Park, Monona County. Investigation was made of the boundaries.

Devil's Back-bone State Park, Madison County. A survey was made of a part of the boundary having to do with the proposed exchange of land with Mr. C. L. Gray.

Lacey-Keosauqua State Park, Van Buren County. A survey was made of some of the land corners.

Clear Lake State Park, Cerro Gordo County. An investigation and report was made of the acreage of this park.

Devil's Backbone State Park, Madison County. A plan was made and erection supervised of a cut stone facing for the portals to the tunnel.

Wapsipinicon State Park, Jones County. Surveys and plans were made and construction supervised of a swimming pool.

Cedar River, Black Hawk County. Survey and report was made of the meander lines of the river south and east of Waterloo at the gravel plant of the Iowa Sand and Gravel Company.

Lake Manawa, Pottawattamie County. Investigation and report was made of possible sources of water supply for the lake.

Adel, Dallas County. Investigation and report was made on the feasibility of a proposed state park.

Storm Lake State Park, Buena Vista County. Investigation and report was made concerning the proposed condemnation of land for a state park.

Lyon County. Investigation was made concerning the preservation of the tri-state marker between Iowa, South Dakota and Minnesota.

Indianola, Warren County. Investigation was made with certain conservationists of the state concerning the preservation of roadside trees along the primary roads.

Spirit Lake, Dickinson County. Approximately one-half mile of road was constructed by the county on the state line along the north side of Spirit Lake. This was under the general supervision of an engineer of the Highway Commission and was partly paid for by the Board of Conservation out of park funds.

A complete set of maps of the existing state parks was made showing both the areas involved and the road conditions.

Details of Work Accomplished Under Board of Education.

(a) *Road Maintenance.* Maintenance work at the institutions under the Board of Education has been as follows:

At Iowa State College, Ames, a full time patrolman with motorized equipment is kept constantly busy. Nearly all the roads at this institution are surfaced with cinders or gravel, or are paved.

At the State University, Iowa City, the highways are largely city streets which are cared for by city authorities.

At the School for the Deaf, Council Bluffs, a local patrolman is hired by the day for whatever maintenance is needed.

At the State Teachers' College at Cedar Falls fifty per cent of the roads are paved city streets and the remainder are cindered. Maintenance is cared for by the city.

At the School for the Blind at Vinton the roads are cared for by institutional forces.

(b) *Construction.* Construction during the past season for the Board of Education has involved only the completion of projects initiated the previous year. Gravel and guard rail were placed and the work completed at final costs as shown on the projects, as follows:

Ames, Wells Avenue.

Engineering	\$ 13.44
Excavation	6,149.77
Tiling	172.85
Gravel	1,397.12
Total.....	\$7,733.18

Ames, Veterinary Farm Road.

Engineering	\$ 173.82
Excavation	953.66
Gravel	428.15
Culverts	337.60
Total.....	\$1,893.23

Ames, Agronomy Farm Road.

Excavation	\$ 587.96
Gravel	171.62
Guard rail	46.70
Total.....	\$ 805.68

Ames, Thirteenth Street Extension. Cinder surfacing and guard rail were placed and a steel tread put upon the Squaw Creek bridge. A small amount of work remains to be done on this project. The cost since the inception of the work is as follows:

Engineering	\$ 1,360.77
Excavation	18,607.86
Cinders	510.39
Culverts	6,404.92
Guard rail	2,043.68
Total.....	\$28,927.62

Iowa City, Relocation of Primary Road No. 7. The grading and draining of 0.48 mile was completed. Work has been discontinued pending the purchase of additional right of way. The cost since the inception of the work is as follows:

Engineering	\$ 222.02
Excavation	14,978.73
Tilling	66.40
Culverts	993.34
Guard rail	201.87

Total.....\$16,462.36

Details of Work Accomplished Under Board of Control.

(a) *Maintenance.* At all institutions under the Board of Control the maintenance work has been handled during the past year in the same manner as in the season preceding.

(b) *Road Construction.* Eldora, Boys' Training School. Final costs of the concrete curb and gutter and surface-water flumes built during the season of 1925 are as follows:

Engineering	\$ 17.76
Contract	812.35

Total.....\$ 830.11

Toledo, State Juvenile Home. Plans were made from a survey by the county engineer of Tama County and the road graded and drained, on 0.50 mile of road along the east side of the west half of the southwest quarter of Section 23, Township 83 north, Range 15 west. The cost of this work was as follows:

Engineering	\$ 133.06
Excavation	2,230.90
Culverts	1,600.00

Total.....\$3,963.96

Cherokee, State Hospital. In addition to the maintenance work by the patrolman the county forces blade-graded 0.50 miles of road along the north line of Section 27, Township 92 north, Range 40 west.

Oakdale, State Sanatorium. Some additional rock was placed on the road here during the past season.

Independence, State Hospital. In order to facilitate the care of the roads here during the winter months, 5,000 ft. of snow fence was procured and is now in place.

Clive, Custodial Home. Under the direction of the county engineer 0.74 miles of road has been graded and drained during the season. No costs are yet available for this work.

Ft. Madison, State Penitentiary. Men from the institution have been working during the past year to improve the alignment and grade of the primary road along the west side of the institution.

Details of Work Accomplished for Other Departments.

(a) *State Fish and Game Department.* Eagle Lake, Hancock County. An investigation and report was made concerning leaks in the dikes at the outlet of this lake.

Storm Lake, Buena Vista County. An investigation was made of the outlet, which was found to be in very poor condition.

(b) *Attorney General's Office.* Arnold's Park, West Okoboji Lake, Dickinson County. A survey of land lines and an extensive investigation of high water evidence was made in preparation for injunction proceedings here.

Department	Project	Location	Amount	Remarks
State Fish and Game Department	Investigation and report	Eagle Lake, Hancock County		Concerning leaks in the dikes at the outlet of this lake.
State Fish and Game Department	Investigation	Storm Lake, Buena Vista County		Of the outlet, which was found to be in very poor condition.
Attorney General's Office	Survey of land lines and investigation of high water evidence	Arnold's Park, West Okoboji Lake, Dickinson County		Preparation for injunction proceedings here.

SCHEDULE NO. 26

SUMMARY OF EXPENDITURES FOR WORK AT STATE INSTITUTIONS UNDER STATE BOARD OF CONTROL
JULY 1, 1925-JUNE 30, 1926

Institution	Engineering and General Supervision	Blade Grading	Gravel or Cinder Surface	Drugging	General Repairs	Paving	Bridges and Culverts	Tiling and Guard Rail	Equipment and Tools	Total
Anamosa, Men's Reformatory.....	\$ 16.59	\$1,074.15			\$ 84.45					\$ 1,175.19
Cherokee, State Hospital.....			\$ 606.18	\$3,485.18					\$ 52.06	2,182.42
Clarinda, State Hospital.....	30.06									30.06
Olve, Custodial Farm.....	2.00									2.00
Davenport, Soldiers' Orphans' Home.....						\$ 812.35				838.61
Eldora, Boys' Training School.....	29.36			81.90						81.90
Ft. Madison, State Penitentiary.....				60.00						72.67
Glenwood, Inst. for Feeble-minded Children.....	12.67			2,191.00				\$ 116.98	9.30	2,317.28
Independence, State Hospital.....										
Marshalltown, Iowa Soldiers' Home.....										
Mitchellville, Girls' Training School.....	5.84			216.50						216.50
Mt. Pleasant, State Hospital.....				165.39				60.54		500.24
Oakdale, State Sanatorium.....	1.74		272.57	58.68						58.68
Rockwell City, Women's Reformatory.....							\$1,440.00			1,481.76
Toledo, State Juvenile Home.....	41.76									2,356.71
Woodward, Hospital for Epileptics.....	2.34			2,142.00	181.13				\$1.24	
Totals	\$ 129.26	\$1,074.15	\$1,025.43	\$6,291.97	\$ 215.58	\$ 812.35	\$1,440.00	\$ 177.52	\$ 142.60	\$ 11,309.86

SCHEDULE NO. 27

SUMMARY OF EXPENDITURES FOR WORK AT STATE INSTITUTIONS UNDER STATE BOARD OF EDUCATION
JULY 1, 1925-JUNE 30, 1926

Institutions	Engineering and General Supervision	Finished Grade	Gravel or Cinder Surfacing	Drugging	General Repairs	Paving	Bridges and Culverts	Tiling and Guard Rail	Equipment and Tools	Total
Ames, Iowa State College.....	\$ 1,958.45	\$31,901.81	\$ 2,540.00	\$ 2,835.65			\$ 8,708.72	\$ 2,271.77	\$ 215.78	\$ 40,489.18
Council Bluffs, School for Deaf.....	31.76	5,068.04		316.80	\$ 158.17				10.00	5,621.73
Cedar Falls, State Teachers' College.....										
Iowa City, State University.....	237.66	11,876.74				\$ 2,886.91	993.24	298.27		16,992.92
Vinton, School for the Blind.....										
Totals	\$ 2,227.87	\$38,786.55	\$ 2,540.00	\$ 2,152.45	\$ 158.17	\$ 2,886.91	\$ 9,702.06	\$ 2,540.04	\$ 225.78	\$ 62,216.83

SCHEDULE NO. 28

SUMMARY OF EXPENDITURES FOR WORK ON STATE PARK ROADS UNDER STATE BOARD OF CONSERVATION
JULY 1, 1925-JUNE 30, 1926

State Park	County	Engineer- ing and General Supervis.	Finished Grade	Surfacing	Drugging	General Repairs	Bridges and Culverts	Tiling and Equipment Guard Rail and Tools	Total
Backbone	Delaware	\$ 179.60	\$ 106.31		\$ 1,984.82	\$ 978.48		\$ 257.79	\$ 3,400.30
Belleuve	Jackson	142.34						1.55	251.30
Deer	Tama	1,682.98	\$ 2,222.01					4,777.19	21,702.85
Deer Bluffs	DeWitt	1,779.49	10,489.39	\$ 1,220.28	117.90		\$ 11,690.10	\$ 881.97	15,071.99
Dolliver Memorial	Webster	391.83					1,141.90	900.45	1,834.18
Eldora Fine Lake	Harlin	29.05			492.25		102.54	448.67	872.47
Lecky-Koosauqua	Van Buren	664.98	6,542.81	1,642.35	1,103.45	438.20		178.00	10,562.08
Ledges	Boone	1.47							821.30
Lost Island Lake	Palo Alto	27.40	1,670.75	300.00			136.50	117.68	2,342.88
Palisades	Linn	279.55						82.55	899.55
Pilot Knob	Hancock	111.14	3,213.46		85.45			1,106.98	4,597.04
Wapsiphancon	Jones	8.96				4.50		148.46	161.92
Oak Grove	SOOK		2,010.72						2,010.72
Totals		\$ 4,474.95	\$ 27,729.97	\$ 3,102.63	\$ 3,723.57	\$ 1,421.18	\$ 13,301.70	\$ 2,181.09	\$ 62,712.22

CHAPTER IX

Department of Materials and Tests

Inspection of Materials.

Materials for use on the primary and secondary road systems were inspected during 1926 as follows:

	Amt. Inspected	Amt. Rejected
Sand	224,542 tons	18,400 tons
Screened gravel and crushed stone	313,678 tons	9,256 tons
Pit run gravel	359,603 tons	8,510 tons
Cement	1,057,915 bbls.	2,005 bbls.
Steel	8,514 tons	71 tons
Drain tile	327,954 lin. ft.	6,700 lin. ft.
Bituminous material	45,354 gal.	730 gal.
Paint	20,319 gal.	4,241 gal.
Guard rail posts	65,763 posts	None
Guard rail cable	668,690 lin. ft.	16,200 lin. ft.

The market value of the materials inspected is approximately \$3,500,000. The general price level for materials was lower in 1926 than in 1925.

These inspections involved detailed tests upon 24,846 samples, most of which represented one carload each. These tests were distributed as follows:

Iowa primary roads and bridges	17,593
Iowa secondary roads and bridges	3,803
Other state highway departments	2,138
Tests of material deposits in Iowa	874
Other state departments, manufacturers' samples, etc.	438
Total	24,846

Very satisfactory increase in the service given by the Materials Department to the secondary road work was again made during 1926.

Tests of material for use on secondary road work:

1920	36 samples
1921	138 samples
1922	362 samples
1923	1,250 samples

1924	2,392 samples
1925	3,358 samples
1926	3,803 samples

This work is done in the Highway Commission laboratories at the request of the county authorities without cost to the counties.

Co-operation with Other States.

As in previous years materials were inspected for highway use in neighboring states, and some materials for use in Iowa were inspected by other highway departments. The state for whom the inspection was made paid the actual cost of the work. Tests made by Iowa Highway Commission for other states were as follows:

Cement	1,845 carloads
Sand	225 carloads
Screened gravel and crushed stone.....	68 carloads
Total.....	2,138 carloads

Tests made by other states for the Iowa Highway Commission were as follows:

Illinois	Cement	469 carloads
Kansas	Cement	76 carloads
Minnesota	Cement	5 carloads
Minnesota	Creosote Oil	5 carloads
Minnesota	Guard rail posts.....	38 carloads
Missouri	Cement	1 carload
Nebraska	Cement	2 carloads
Total.....		596 carloads

Material Resource Survey.

Detailed examinations were made of 354 separate locations in 45 counties. This work involved digging 2,200 test pits, and testing 640 samples in the field, and 234 samples in the laboratory.

This work resulted in the accumulation of detailed information as to the source of approximately 2,600,000 cubic yards of gravel, and approximately 1,700,000 cubic yards of limestone suitable for road surfacing or concrete work.

A considerable part of this work was done in the southern part of the state, where the developed deposits of road building material were not numerous nor well distributed, and where no considerable amount of prospecting had previously been done.

Bridge Sounding.

The foundations for thirty-one bridges in sixteen counties were sounded. This work involved drilling 137 holes to an average depth of approximately 27 feet, or a total of 3,660 feet.

Experimental Work.

The research activities of the Highway Commission are concerned with the solution of problems looking toward improvements in design and construction of roads to be built in Iowa. 2,250 specimens were made and 2,772 specimens and samples were tested in 1926 in carrying on investigation of the following major problems:

Effects of Soil Characteristics.

The durability of paved roads and the serviceability of earth and gravel roads depend greatly upon the character of the soil. Thorough studies of the relations between soil types and road condition are being made. Methods have been developed and are being tried out for minimizing the frost boils and blow ups which occur when the road grade cuts into certain underlying clay soils.

Improvement of Concrete Work for Pavement and Bridges.

Improved methods for field control of concrete making are being developed. Studies now under way include: Accurate methods for controlling water content in mixing concrete, improved methods for curing concrete pavement slabs, and investigation of the use of Vibrolithic (patented) finishing as a means of making use of materials not now available for paving use.

Design of Concrete Pavement.

Tests of the bond between various types and grades of reinforcing bars on concrete have been made, and are being studied with reference to improvement in specifications.

Minor Experiments.

Many lesser problems in materials and methods were under investigation during 1926 as follows: Use of quick setting cement for quick results in testing sand, methods for testing cement, water-proofing methods, methods for testing lubricating oils, service tests of bridge paints, preservative treatment of wood posts, and antifreeze mixtures for motor cooling. In this work 4,631 test specimens have been made and 4,743 specimens and samples have been tested.

SCHEDULE NO. 29—Continued

County	No. Samples Tested for Use on		Kind of Materials												Total	
	Primary system	Secondary system	Cement	Sand	Coarse aggregate	Combined aggregate	Drain tile, culvert pipe	Reinforcing steel	Stone	Paint	Bit. material, fuel oils	Guard rail cable	Guard rail posts	Metals chem. tests		Water
Ringgold	438	3		12	1	433										441
Sac	3	15	6	1	1			6								19
Scott	889	19	323	119	266	368	1									908
Shelby	11	24	5	3	3			1		20			1			28
Sioux	30	34	31	5	5	4		3		4						54
Story	21	16	9	5	7			3		4		1		1		37
Tama	50	72	26	32	36	21		1		3			1			41
Taylor	14	27	7	14	14					5						37
Union	57	7	5	10	10			3		10						159
Van Buren	158	1	37	49	33	15		13		7						159
Wapello	897	51	163	327	332	8	16	11		2						888
Warren	1,114	113	16	35	83	1,074		8		5						1,227
Washington	561	40	6	18	16			4	1							166
Wayne	102	64	24	72	59					3						31
Webster	14	17	6	4	3			2		2						142
Winnebago	17	2	2	2	4			3		5						19
Winneshiek	49	31	41	4	4	22		1		1						80
Woodbury	136	6	37	26	31	34		14		6						20
Wright	38	6	14	6	4	1		1		8						130
Woodbury-Ida-Cherokee	44	11	3	3	3	23		4		3						44
Primary Maint.	103							1		30		13	14	44		103
Other States	2,138		1,845	235	68											2,138
Warehouse St.				12	2	761		59		19		19	10	110		347
Material Res.				26	12	26	7	4	28	3	2			9		374
Prof. Inform.				30	1	3		6	3	3						138
Co. Check Test				1	1	2		4	3	3						46
Investigation																5
Total	19,731	3,803	5,171	4,723	6,470	6,440	166	635	154	180	561	30	61	234	25	24,846

SCHEDULE NO. 30
TESTS OF MATERIALS ACCORDING TO LABORATORIES

Laboratory	Kind of Materials—Number of Tests												Total	
	Cement	Sand	Coarse aggregate	Combined aggregate	Drain tile, culvert pipe	Reinforcing steel	Stone	Paint	Bit. material, fuel oils	Guard rail cable	Guard rail posts	Metals, chem. tests		Water
Ames	304	101	31	283	11	150	154	178	556	20	23	234	25	1,900
Des Moines	1,747	989	761	1,586	2	480		8						5,573
Mason City	2,343	192	243	26	100									2,912
Fort Dodge				3		1								4
District No. 3		23	21	77										121
District No. 4		6	9											16
District No. 5		871	143	389	30									1,403
District No. 6		150	154	362		4								610
District No. 7		131	13	76	3									223
District No. 8		184	161	381	10									706
Aden			426											426
Buffalo			1,627											1,627
Burlington		82	2											84
Cedar Rapids		159	3	113										275
Davenport	58													58
Dubuque		123	216											342
Eddyville		509	187	486										1,182
Gifford				157										157
Glory			200											200
Hawarden		40	148	3										191
Iowa City		158	115	30										298
La Salle	256													256
Lake View		47	69	27										134
Le Grand			301											301
Muscatine		444	409	1,077										1,930
Oskaloosa		36	8	791										835
Princeton				149										149
Quimby		583	919											1,492
Illinois Hwy. Dept.	469													469
Kansas Hwy. Dept.	76													76
Minnesota Hwy. Dept.	5								5		38			48
Missouri Hwy. Dept.	1													1
Nebraska Hwy. Dept.	2													2
Prospecting Parties				654										654
Total	5,171	4,723	6,470	6,440	166	635	154	180	561	30	61	234	25	24,846

CHAPTER X

Financial Statement

Period Covered.

The data contained herein constitutes a statement of expenditures from the Commission's Maintenance fund and from the Federal Aid Engineering fund, for the fiscal year July 1, 1925, to June 30, 1926, and also a statement of the expenditures from the primary road funds for the year December 1, 1925, to November 30, 1926.

Classification of Expenditures.

The expenditures of the Commission are divided into seven classes as follows:

- (a) Supervision of county and township highway work and purchase of equipment for primary road work.
- (b) Work for other state departments.
- (c) Office buildings and grounds.
- (d) Storage and repair of mechanical equipment.
- (e) Federal aid engineering work.
- (f) Construction work paid for from primary road funds.
- (g) Maintenance work on primary road system.

Supervision of County and Township Road Work, and Purchase of Equipment for Primary Roads.

The total expenditure for supervising county and township road work and purchasing equipment for primary road work for the fiscal year ending June 30, 1926, was \$160,281.07. From this should be deducted \$24,608.47 which was collected as rental on engineering equipment, from miscellaneous sales and refunds and returned to the Commission's support fund leaving a net cost to the state of \$135,672.60. A comparison of the cost of this phase of the Commission's work for the past five years follows:

Fiscal year ending June 30, 1922.....	\$128,283.14
Fiscal year ending June 30, 1923.....	130,118.23
Fiscal year ending June 30, 1924.....	99,636.93
Fiscal year ending June 30, 1925.....	169,920.05
Fiscal year ending June 30, 1926.....	160,281.07

Work for Other State Departments.

The total expenditure by the Commission for the past fiscal year in lending engineering assistance to other state departments was \$1,933.17. (Refer to Chapter VIII and to Schedule No. 31.)

Office Buildings and Grounds.

The expenditure during the fiscal year toward the construction of the Commission's office buildings and improvements of grounds was as follows:

Office building	\$ 617.00
Laboratory building and fixtures.....	12,214.93
Improvement of grounds.....	230.00
Total.....	\$13,061.93

Storage and Repair of Mechanical Equipment.

For the storage and repair of mechanical equipment (including trucks, tractors, automobiles, etc.) during the fiscal year ending June 30, 1926, the Commission spent \$283,654.37. During the same period we collected \$271,212.24 from rentals on some of such equipment, from the sale of spare parts and unserviceable equipment, for repairs made on equipment assigned to the counties, and for repair of primary road machinery. Therefore, the net cost of this phase of the work was \$12,442.13.

This net cost includes \$230.00, capital investment, expenditure being for the grading of grounds, leaving \$12,212.13 as the net operating cost.

Federal Aid Engineering Work.

The total expenditure from the federal aid engineering fund for the fiscal year ending June 30, 1926, for engineering in connection with federal aid and primary road work was \$300,840.20. The following is a classification of this expenditure and comparison of 1924, 1925 and 1926. (Refer to Schedule No. 32.)

Classification	1924	1925	1926
Reconnaissance and traffic census.....	\$ 4,505.42	\$ 5,756.09	\$ 6,114.72
Surveys	48,093.63	32,073.24	30,280.96
Profiles	48,968.94	36,000.91	32,435.46
Specifi., conferences and records.....	80,743.87	71,382.54	71,208.84
Bridge and culvert plans.....	25,246.69	22,145.10	26,732.95
Supervising construction and testing materials.....	150,143.08	119,311.87	134,099.27
Totals.....	\$ 354,801.58	\$ 280,729.75	\$ 300,840.20

Construction Work Paid for from Primary Road Funds.

The total expenditure for the construction work paid for from Primary Road funds from December 1, 1925, to November 30, 1926, was \$8,988,702.45 and was as follows:

	1925	1926
Primary road fund.....	\$3,138,578.18	\$2,921,526.91
Development fund		1,828,391.97
Primary road bond fund....	2,429,819.08	2,341,340.06
Anticipation certificate fund	1,612,974.46	1,661,664.03
Special assessment fund....	17,919.72	296,824.32
County funds .....	.00	2,987.64
City funds	189,786.01	85,967.52
Totals	\$7,389,077.45	\$8,988,702.45

This expenditure, classified according to the kind of work, is as follows:

	1925	1926
Grading	\$2,238,996.28	\$2,574,439.84
Graveling	748,990.82	1,004,682.04
Paving	1,961,748.53	2,485,208.76
Drainage	161,780.22	63,983.26
Bridges and culverts.....	1,445,273.27	1,881,868.36
Guard rail	117,949.73	81,584.95
Right of way	411,451.93	580,277.92
Machinery and equipment..	34,614.64	* 31,907.33
Engineering	268,273.03	343,564.65
Totals	\$7,389,077.45	\$8,988,702.45

*Refunds in excess of expenditure.

This expenditure, classified according to Road Systems, is as follows:

	1925	1926
Primary roads	\$6,887,967.98	\$8,402,786.44
Secondary roads	501,109.47	585,916.01
Totals	\$7,389,077.45	\$8,988,702.45

The total expenditure for construction work paid for from Primary Road funds since the first federal aid law became effective (1917) to November 30, 1926, was \$74,241,248.01, and was as follows:

Primary road fund.....	\$37,655,400.05
Development fund	1,828,391.97
Primary road bond fund.....	18,670,228.21
Anticipation certificate fund.....	11,716,166.53

Special assessment funds.....	2,819,056.92
County funds	321,165.61
City funds	1,230,838.72
Total.....	\$74,241,248.01

This expenditure, classified according to the kind of work, is as follows:

Grading	\$25,640,847.20
Graveling	6,454,531.03
Paving	23,342,616.74
Drainage	3,088,428.58
Bridges and culverts.....	9,928,636.55
Guard rail	991,230.56
Right of way.....	1,909,845.41
Machinery and equipment.....	108,847.77
Engineering	2,776,264.17
Total.....	\$74,241,248.01

This expenditure, classified according to Road Systems, is as follows:

Primary roads	\$72,906,603.84
Secondary roads	1,334,644.17
Total.....	\$74,241,248.01

Maintenance Work on the Primary Road System.

During the year December 1, 1925, to November 30, 1926, there was expended through the maintenance department a total of \$3,820,126.99. Of this amount \$614,344.71 was expended in the payment of old bills incurred by the counties for maintenance work done on the primary roads prior to the time the Commission took charge of said work in December 1, 1925, and \$105,107.21 was spent for the purchase of permanent signs and markers for the primary roads, which have nothing to do with maintenance work. Deducting these two sums from the total (\$3,820,126.99) leaves \$3,100,675.07 as the net total expenditure for maintaining the primary road system from December 1, 1925, to November 30, 1926.

Primary Road Bonds and Certificates Outstanding.

On November 30, 1926, there were primary road bonds outstanding in the amount of \$15,260,500.00. These bonds had been issued by twenty-one counties (Refer to Schedule No. 46). On the same date, the anticipation certificates outstanding amounted to \$1,815,000.00. These certificates were outstanding in thirty-nine counties (Refer to Schedule No. 47.)

SCHEDULE NO. 31

IOWA STATE HIGHWAY COMMISSION
Commission Maintenance Fund
Statement of Receipts and Disbursements
For the Year July 1, 1925 to June 30, 1926

RECEIPTS:

Balance July 1, 1925		\$ 237,653.60
Motor Vehicle Fees (2½%)	\$251,818.95	
Federal Aid Engineering	390,840.20	
Instrument Rental	\$ 6,457.75	
Machinery Rental	4,572.64	
Machinery Repairs	252,156.50	
Primary Road Guides	339.85	
Miscellaneous Maps	170.54	
Miscellaneous Sales & Refunds	26,993.00	
Condition Maps	3,225.33	
Weekly Letting Report	1,494.75	
Proposal Forms	410.35	295,820.71
Inter Departmental Transfers		41,372.58
Totals		\$1,127,510.14

DISBURSEMENTS:

Expenditures by warrants written	\$ 759,770.74
Expenditures by journal vouchers	41,372.58
Reverted to Primary Road Fund September 19, 1925	67,764.84
Reverted to Primary Road Fund May 1, 1926	9,887.26
Unexpended balance July 1, 1926	248,614.92
Totals	\$1,127,510.14

ITEMIZED STATEMENT OF DISBURSEMENTS

	Paid From Maintenance Fund	Charged to F. A. E. Fund	Net Cost to Maintenance Fund
Commissioners:			
J. W. Holden, salary	\$ 1,420.00	\$ 1,005.00	\$ 355.00
J. W. Holden, expense	817.34	508.26	218.98
Wm. Collinson, salary	610.00	457.50	152.50
Wm. Collinson, expense	216.70	230.81	79.55
Carl C. Riepe, salary	105.00	75.00	35.00
Carl C. Riepe, expense	134.78	101.08	33.70
Anson Marston, expense	8.46	6.34	2.12
Departmental transportation	1,920.42		1,920.42
Supplies	10.48		10.48
Total	\$ 5,341.14	\$ 2,342.99	\$ 2,708.15
Executive Department:			
F. R. White, salary	\$ 7,500.00	\$ 3,750.00	\$ 3,750.00
F. R. White, expense	488.25	349.17	239.08
Consulting engineers, salary	1,000.00	1,000.00	
Secretaries and stenographers, salary	1,706.67	883.33	883.34
Secretaries and stenographers, expense	15.42	7.71	7.71
Departmental transportation	1,365.52		1,365.52
Total	\$ 12,085.86	\$ 5,890.21	\$ 6,745.65
Finance Account and Purchase Department:			
C. R. Jones, salary	\$ 3,833.33	\$ 1,916.70	\$ 1,916.63
C. R. Jones, expense	274.74	137.35	137.39
Stenographers, salary	3,650.00	1,325.00	1,325.00
Clerks, salary	2,379.47	1,175.77	1,169.70
Total	\$ 9,097.54	\$ 4,534.82	\$ 4,482.72

SCHEDULE NO. 31—Continued

ITEMIZED STATEMENT OF DISBURSEMENTS—Continued

	Paid From Maintenance Fund	Charged to F. A. E. Fund	Net Cost to Maintenance Fund
Accounting Division:			
E. T. Burk, salary	\$ 2,800.00	\$ 2,800.00	
E. T. Burk, expense	8.80	8.80	
L. B. Anderson, salary	1,500.00		\$ 1,500.00
L. B. Anderson, expense	11.79		11.79
Clerks, salary	13,249.08	11,011.11	2,337.97
Clerks, expense	51.08	51.08	
Bookkeepers, salary	5,160.00	4,737.44	422.56
Stenographers, salary	9,961.77	8,331.24	1,630.53
Departmental transportation	323.56		323.56
Supplies	985.50	411.32	575.18
Total	\$ 34,052.58	\$ 27,360.90	\$ 6,701.59
Bulletin Division:			
J. W. Eichinger, salary	\$ 2,800.00		\$ 2,800.00
J. W. Eichinger, expense	74.04		74.04
Stenographers, salary	1,111.28		1,111.28
Departmental transportation	10.00		10.00
Supplies	66.21		66.21
Total	\$ 4,061.53		\$ 4,061.53
Blue Printing Division:			
Clerks, salary	\$ 2,900.00	\$ 2,255.00	\$ 645.00
Supplies	3,023.75	2,910.41	113.34
Total	\$ 5,923.75	\$ 5,165.41	\$ 768.34
Store Room Division:			
Clerks, salary	\$ 1,000.00		\$ 1,000.00
Supplies	10,067.18	2,808.08	7,259.20
Total	\$ 11,067.18	\$ 2,808.08	\$ 8,859.20
Administrative Department:			
M. L. Hutton, salary	\$ 3,556.06	\$ 1,768.25	\$ 1,768.81
M. L. Hutton, expense	2.23	2.23	
Stenographers, salary	1,230.90	650.00	619.90
Supplies	115.27	87.55	57.72
Extra help, salary	304.08	245.83	121.15
Extra help, expense	3.10		3.10
Total	\$ 5,801.96	\$ 2,741.66	\$ 2,600.27
State Park Division (Board of Conservation):			
M. L. Hutton, expense	\$ 515.05	\$ 14.60	\$ 500.45
Engineers, salary	905.06		905.06
Engineers, expense	130.49		130.49
Instrument man, salary	387.19		387.19
Rodman, etc., salary	2.23		5.22
Rodman, etc., expense	5.23		5.51
Supplies	56.09	54.84	1.25
Total	\$ 2,022.61	\$ 69.44	\$ 1,933.17
Road Department:			
W. E. Jones, salary	\$ 4,550.00	\$ 4,475.00	\$ 75.00
W. E. Jones, expense	445.44	515.42	127.02
Assistants, salary	3,218.06	3,120.61	96.06
Assistants, expense	605.23	605.74	154.49
Departmental transportation	457.00		457.00
Supplies	6.73	2.58	4.15
Total	\$ 9,290.06	\$ 8,612.85	\$ 618.71

SCHEDULE NO. 31—Continued

ITEMIZED STATEMENT OF DISBURSEMENTS—Continued

	Paid From Maintenance Fund	Charged to F. A. E. Fund	Net Cost to Maintenance Fund
Survey Division:			
Chiefs of parties, salary	\$ 7,669.25	\$ 7,402.71	\$ 266.54
Chiefs of parties, expense	1,785.30	1,412.71	372.59
Instrumentman, salary	8,376.78	8,261.26	115.52
Instrumentman, expense	1,529.60	1,272.47	257.13
Rodman, etc., salary	6,776.54	6,642.53	134.01
Rodman, etc., expense	2,557.27	2,324.26	233.01
Departmental transportation	1,350.49	58.30	1,292.19
Supplies	132.52	132.52	
Total	\$ 30,137.85	\$ 27,478.18	\$ 2,659.72
Plan Division:			
Designers and draftsmen, salary	\$ 12,702.48	\$ 12,076.06	\$ 626.42
Supplies	627.75	627.75	
Total	\$ 13,330.23	\$ 12,703.81	\$ 626.42
Women's Drafting Division:			
Chief draftsman, salary	\$ 1,343.01	\$ 508.33	\$ 834.68
Drafts, and tracers, salary	14,115.96	9,797.29	4,408.67
Supplies	15.96	13.27	2.69
Total	\$ 15,474.93	\$ 10,318.90	\$ 5,156.03
Construction Department:			
F. H. Mann, salary	\$ 4,833.34	\$ 4,833.34	
F. H. Mann, expense	494.36	454.02	40.34
H. K. Davis, salary	3,316.67	3,316.67	
H. K. Davis, expense	461.33	420.60	40.73
G. Foster, expense	39.30	28.75	10.55
Stenographers, salary	725.00	725.00	
Departmental transportation	3,572.81		3,572.81
Supplies	42.81	15.81	27.00
Total	\$ 18,485.61	\$ 9,794.19	\$ 8,691.42
Right of Way Division:			
H. O. Hickok, salary	\$ 3,233.33	\$ 3,233.33	
H. O. Hickok, expense	2,312.78	2,468.93	156.15
Assistants, salary	4,366.67	4,366.67	
Assistants, expense	1,794.90	1,790.40	4.50
Stenographers, salary	725.00	725.00	
Departmental transportation	9.11		9.11
Supplies	21.99	21.99	
Total	\$ 12,663.78	\$ 12,906.32	\$ 242.54
Road Maintenance Department:			
W. H. Root, salary	\$ 4,550.00	\$ 4,550.00	
W. H. Root, expense	720.40	720.40	
Assistants, salary	4,816.67	4,816.67	
Assistants, expense	870.50	870.50	
Stenographer, salary	670.00	500.00	170.00
Departmental transportation	2,480.02	2,480.02	
Supplies	1.25	1.25	
Total	\$ 14,097.84	\$ 500.00	\$ 13,597.84
Pavement Marking Division:			
Labor, salary	\$ 112.00	\$ 112.00	
Labor, expense	153.13		153.13
Total	\$ 265.13		\$ 265.13
Repair Shops Division:			
R. W. Clyde, salary	\$ 3,016.67	\$ 3,016.67	
R. W. Clyde, expense			71.94
Clerks, salary	6,980.52	6,980.52	
Clerks, expense	1.94		1.94

SCHEDULE NO. 31—Continued

ITEMIZED STATEMENT OF DISBURSEMENTS—Continued

	Paid From Maintenance Fund	Charged to F. A. E. Fund	Net Cost to Maintenance Fund
Repair Shops Division—Continued:			
Foreman, salary	2,916.66		2,916.66
Foreman, expense	95.09		95.09
Labor (watchm., mechs.), salary	54,646.28		54,646.28
Labor (watchm., mechs.), expense	230.89		230.89
Departmental transportation	252.97		252.97
Supplies	213,474.36		213,474.36
Building repairs	6.15		6.15
Light, power, water, fuel	1,446.29		1,446.29
Office supplies	294.51		294.51
Total	\$ 283,434.37		\$ 283,434.37
Bridge Department:			
J. H. Ames, salary	\$ 4,550.00	\$ 2,275.00	\$ 2,275.00
J. H. Ames, expense	363.96	196.82	167.14
Assistants, salary	3,900.00	1,900.00	1,900.00
Assistants, expense	363.57	228.31	135.26
Clerks, salary	1,816.67	908.33	908.34
Clerks, expense	67.67		67.67
Stenographers, salary	633.34	469.64	163.70
Departmental transportation	1.95		1.95
Supplies	189.78	189.74	4.04
Total	\$ 11,874.92	\$ 6,005.84	\$ 5,869.08
R. R. Crossing Division:			
Harry Bowman, salary	\$ 1,794.30	\$ 1.00	\$ 1,793.30
Harry Bowman, expense	84.23		84.23
Total	\$ 1,878.53	\$ 1,821.28	\$ 57.25
Drainage Division:			
Drainage engineer, expense	\$ 21.00		\$ 21.00
Departmental transportation	203.39		203.39
Total	\$ 224.39		\$ 224.39
Bridge Design Division:			
Designers and draftsmen, salary	\$ 23,891.03	\$ 19,613.58	\$ 4,277.45
Designers and draftsmen, expense	357.47	289.09	68.38
Total	\$ 24,248.50	\$ 19,902.67	\$ 4,345.83
Materials and Tests Department:			
R. W. Crum, salary	\$ 4,550.00	\$ 4,550.00	
R. W. Crum, expense	381.53	311.54	69.99
Assistants, salary	3,316.67	3,316.67	
Assistants, expense	114.22	103.97	10.25
Stenographer, salary	694.40	694.40	
Departmental transportation	5,852.85		5,852.85
Supplies	2,347.53	2,340.41	7.12
Gen'l misc. inspectors, salary	1,904.13	1,904.13	
Gen'l misc. inspectors, expense	719.71	696.81	22.90
Total	\$ 19,781.53	\$ 14,077.03	\$ 5,704.50
Resource Division:			
Inspectors, salary	\$ 11,427.43	\$ 11,427.43	
Inspectors, expense	4,761.78	4,360.07	401.71
Departmental transportation	689.51		689.51
Supplies	431.22	431.22	
Laborers, salary	184.00	184.00	
Total	\$ 17,363.00	\$ 16,402.72	\$ 960.28

SCHEDULE NO. 31—Continued

ITEMIZED STATEMENT OF DISBURSEMENTS—Continued

	Paid From Maintenance Fund	Charged to F. A. E. Fund	Net Cost to Maintenance Fund
Bridge Sounding Division:			
Inspectors, salary	\$ 2,951.51	\$ 2,951.51	
Inspectors, expense	1,794.64	1,647.61	\$ 147.03
Departmental transportation	96.76		96.76
Supplies	146.96	146.96	
Laborers, salary	775.99	765.69	10.30
Total	\$ 5,769.16	\$ 5,511.47	\$ 257.69
Experimental Road, Lucas County:			
Supplies	\$ 10.70		\$ 10.70
Total	\$ 10.70		\$ 10.70
Experimental Guard Rail:			
Supplies	\$ 11.70	\$ 11.70	
Total	\$ 11.70	\$ 11.70	
Vibrolithic Experiment:			
Inspectors, salary			
Supplies	\$ 70.97	\$ 70.97	
Laborers, salary	4,742.63	4,742.63	
Total	\$ 5,009.10	\$ 5,060.10	
Ames Laboratory:			
Paul Critz, salary	\$ 2,616.66	\$ 2,616.66	
Paul Critz, expense	380.15	328.96	\$ 51.17
Assistants, salary	19,000.38	19,000.38	
Assistants, expense	496.42	425.17	71.25
Departmental transportation	4,222.93		4,222.93
Supplies	3,282.53	3,068.8	373.64
Total	\$ 30,009.07	\$ 25,280.06	4,728.99
Des Moines Laboratory:			
V. R. Ewing, salary	\$ 2,378.33	\$ 2,378.33	
V. R. Ewing, expense	1,510.07	1,238.30	271.77
Assistants, salary	6,746.72	6,746.72	
Assistants, expense	59.43	84.43	25.00
Departmental transportation	137.78		137.78
Supplies	460.33	433.25	27.08
Telegraph and telephone	114.17	17.45	96.72
Total	\$ 11,222.83	\$ 10,908.48	\$ 314.35
Mason City Laboratory:			
Benj. L. Bowling, salary	\$ 2,616.66	\$ 2,616.66	
Benj. L. Bowling, expense	223.00	221.21	1.79
Assistants, salary	6,345.96	6,345.96	
Assistants, expense	12.27	12.27	
Departmental transportation	385.70		385.70
Supplies	1,135.32	965.98	169.34
Telegraph and telephone	134.15	16.25	117.90
Office rental	769.00		769.00
Stenographers, salary	170.30	170.20	0.10
Total	\$ 11,738.36	\$ 11,106.46	\$ 631.90
Port Dodge Laboratory:			
R. A. Brettenross, salary	\$ 1,600.00	\$ 1,600.00	
R. A. Brettenross, expense	355.29	218.74	136.55
Assistants, salary	438.71	438.71	
Assistants, expense	43.22	29.89	13.33
Departmental transportation	120.00		120.00
Supplies	40.70	40.70	
Total	\$ 2,606.92	\$ 2,327.04	\$ 279.88

SCHEDULE NO. 31—Continued

ITEMIZED STATEMENT OF DISBURSEMENTS—Continued

	Paid From Maintenance Fund	Charged to F. A. E. Fund	Net Cost to Maintenance Fund
District Office No. 1, Ames, Iowa:			
W. P. Beard, salary	\$ 2,600.00	\$ 1,254.00	\$ 2,316.00
W. P. Beard, expense	979.91	684.67	295.24
Assistant, salary	3,049.19	363.00	2,686.19
Assistant, expense	1,360.87	507.97	862.90
Stenographer, salary	1,300.00	50.00	1,150.00
Departmental transportation	2,288.35	1,125.00	1,163.35
Supplies (postage, stationery)	45.28	13.16	32.02
Extra help, salary	75.00		75.00
Total	\$ 12,908.10	\$ 4,102.80	\$ 8,505.30
District Office No. 2, Mason City, Iowa:			
R. R. Zack, salary	\$ 3,600.00	\$ 907.50	\$ 2,692.50
R. R. Zack, expense	421.38	96.87	324.51
Assistant, salary	3,410.74	1,966.12	1,444.62
Assistant, expense	450.39	72.25	378.13
Stenographer, salary	970.00	42.50	927.50
Departmental transportation	2,431.08	1,225.00	1,196.08
Supplies (postage, stationery)	124.52	47.00	77.52
Office rental	328.00	378.00	456.00
Telegraph and telephone	259.20	119.40	140.50
Extra help, salary	294.52	294.52	
Extra help, expense	4.76		4.76
Total	\$ 12,784.69	\$ 5,152.53	\$ 7,632.16
District Office No. 3, Sioux City, Iowa:			
E. W. Dunn, salary	\$ 3,600.00	\$ 676.50	\$ 2,923.50
E. W. Dunn, expense	1,066.87	329.45	677.42
Assistant, salary	3,916.06	1,225.00	2,691.06
Assistant, expense	1,132.57	440.57	692.00
Stenographer, salary	1,227.00	55.00	1,172.00
Departmental transportation	2,088.87	1,040.00	1,048.87
Supplies (postage, stationery)	166.80	58.00	108.80
Office rental	630.00	200.00	430.00
Telegraph and telephone	212.83	110.00	102.83
Extra help, salary	537.93	537.93	
Total	\$ 13,582.55	\$ 4,872.45	\$ 8,609.10
District Office No. 4, Atlantic, Iowa:			
L. M. Martin, salary	\$ 3,600.00	\$ 1,290.00	\$ 2,310.00
L. M. Martin, expense	2,474.38	1,094.85	1,409.53
Assistant, salary	2,272.55	301.98	1,970.57
Assistant, expense	792.11	165.52	626.59
Stenographer, salary	1,097.71	45.00	1,062.71
Departmental transportation	1,133.66	568.00	565.66
Supplies (postage, stationery)	217.00	100.00	117.00
Office rental	254.05	45.00	209.05
Telegraph and telephone	277.38	132.00	145.38
Extra help, salary	237.32	87.50	149.82
Extra help, expense	125.74	56.51	69.23
Inspectors, salary	810.48	303.48	507.00
Inspectors, expense	66.35	36.36	29.99
Total	\$ 12,878.71	\$ 4,215.20	\$ 8,663.51
District Office No. 5, Ottumwa, Iowa:			
J. S. Morrison, salary	\$ 2,600.00	\$ 1,768.00	\$ 1,842.00
J. S. Morrison, expense	738.30	163.32	574.98
Assistant, salary	2,916.66	655.25	2,261.41
Assistant, expense	909.54	181.27	728.27
Stenographer, salary	293.24	273.77	19.47
Departmental transportation	1,655.13	1,053.00	602.13
Supplies (postage, stationery)	19.23	10.00	9.23
Telegraph and telephone	210.18	116.00	94.18
Inspectors, salary	2,065.97	1,772.89	283.08
Inspectors, expense	307.20	167.08	140.12
Total	\$ 13,048.44	\$ 6,247.58	\$ 6,800.86

SCHEDULE NO. 31—Continued

ITEMIZED STATEMENT OF DISBURSEMENTS—Continued

	Paid From Maintenance Fund	Charged to F. A. E. Fund	Net Cost to Maintenance Fund
District Office No. 6, Cedar Rapids, Iowa:			
W. M. Lee, salary.....	\$ 5,900.00	\$ 1,115.00	\$ 2,487.00
W. M. Lee, expense.....	715.56	127.33	588.23
Assistant, salary.....	3,033.34	373.08	2,660.26
Assistant, expense.....	1,027.56	214.46	813.10
Stenographer, salary.....	1,327.50	55.00	1,282.50
Departmental transportation.....	1,026.44	915.00	111.44
Supplies (postage, stationery).....	123.63	37.79	65.84
Office rental.....	680.00	500.00	380.00
Telegraph and telephone.....	328.19	175.00	153.19
Extra help, salary.....	8.00	8.00	
Extra help, expense.....	23.87	18.77	5.10
Inspectors, salary.....	2,630.24	1,732.75	897.49
Inspectors, expense.....	1,040.17	517.29	222.88
Total.....	\$ 16,154.50	\$ 5,927.47	\$ 10,227.03
District Office No. 7, Waterloo, Iowa:			
J. A. Paulsen, salary.....	\$ 3,000.00	\$ 1,387.50	\$ 2,212.50
J. A. Paulsen, expense.....	1,139.80	302.22	627.37
Assistant, salary.....	2,916.66	90.70	2,825.96
Assistant, expense.....	510.36	30.96	479.40
Stenographer, salary.....	1,033.50	170.30	863.20
Departmental transportation.....	2,051.95	1,000.00	991.95
Supplies (postage, stationery).....	102.79	61.00	101.79
Office rental.....	648.00	473.00	175.00
Telegraph and telephone.....	196.82	106.00	90.82
Extra help, salary.....	499.99	491.68	8.33
Extra help, expense.....	13.40	5.52	7.88
Inspectors, salary.....	201.29	192.00	9.29
Total.....	\$ 12,964.56	\$ 4,570.37	\$ 8,394.09
District Office No. 8, Storm Lake, Iowa:			
A. A. Baustian, salary.....	\$ 3,350.00	\$ 142.54	\$ 3,207.46
A. A. Baustian, expense.....	509.64	50.02	459.62
Assistant, salary.....	2,916.66	297.58	2,619.08
Assistant, expense.....	805.12	159.16	645.96
Stenographer, salary.....	1,109.00	50.00	1,059.00
Departmental transportation.....	3,566.35	1,850.00	1,716.35
Supplies (postage, stationery).....	147.71	70.00	77.71
Office rental.....	739.00	324.00	396.00
Telegraph and telephone.....	157.51	87.00	70.51
Extra help, salary.....	98.63	98.63	
Extra help, expense.....	54.45	2.50	51.95
Inspector, salary.....	2,032.33	948.48	1,083.85
Inspector, expense.....	704.04	515.55	388.49
Total.....	\$ 15,963.24	\$ 4,306.13	\$ 11,657.11
District Office No. 9, Chariton, Iowa:			
W. O. Price, salary.....	\$ 3,000.00	\$ 1,300.00	\$ 2,400.00
W. O. Price, expense.....	1,615.78	1,031.20	584.58
V. G. Gould, salary.....	2,816.66	685.73	2,130.93
V. G. Gould, expense.....	462.02	81.50	380.52
Stenographer, salary.....	1,100.00	160.25	939.75
Departmental transportation.....	1,089.02	720.00	369.02
Supplies (postage, stationery).....	120.62	47.79	72.83
Office rental.....	300.00	180.00	120.00
Telegraph and telephone.....	146.00	73.00	73.00
Extra help, salary.....	458.50	418.50	40.00
Total.....	\$ 11,710.17	\$ 4,588.72	\$ 7,121.45
General Expense:			
Printing and printing supplies.....	\$ 1,156.09	\$ 6.56	\$ 1,349.53
Weekly condition maps.....	35.91		35.91
Yearly condition maps.....	463.45		463.45
Primary road guides.....	358.83		358.83
Weekly letting reports.....	1,141.73	294.00	907.73

SCHEDULE NO. 31—Continued

ITEMIZED STATEMENT OF DISBURSEMENTS—Continued

	Paid From Maintenance Fund	Charged to F. A. E. Fund	Net Cost to Maintenance Fund	
General Expense—Continued:				
Miscellaneous, Etc.....	972.30	22.08	950.22	
Monthly bulletins.....	2,629.64		2,629.64	
Construction Prop. forms.....	809.08	208.99	470.09	
Photos, slides and cuts.....	254.32		254.32	
Office supplies.....	1,059.84	17.61	1,097.83	
Postage.....	5,363.75	2,901.00	2,002.75	
Express, freight and drayage.....	6,576.75	2,829.00	3,137.75	
Telegraph.....	408.10	173.00	235.10	
Telephone.....	2,028.52	1,161.00	967.52	
State Fair exhibit.....	471.71		471.71	
Office building repairs and expenses.....	2,497.67		2,497.67	
Office building light, power, water.....	1,538.61		1,538.61	
Janitors, salary.....	2,931.00		2,931.00	
Laboratory repairs and expenses.....	38.02	34.62	3.40	
Laboratory, light, power, water.....	378.41	378.41		
Heating plant repairs and expenses.....	570.33		570.33	
Heating plant, light, power, water.....	168.57		168.57	
Heating plant fireman, salary.....	1,440.00		1,440.00	
Heating plant, fuel.....	1,506.77		1,506.77	
Total.....	\$ 36,149.50	\$ 8,225.67	\$ 27,923.83	
CAPITAL INVESTMENT:				
Truck Sheds Division:				
Grounds.....	\$ 230.00		\$ 230.00	
Total.....	\$ 230.00		\$ 230.00	
General Office Division:				
Office building.....	\$ 617.00		\$ 617.00	
Laboratory building.....	10,078.56	64.88	10,013.68	
Grounds.....	230.00		230.00	
Office furniture and fixtures.....	6,376.65	2,900.00	3,476.65	
Laboratory furniture and fixtures.....	1,230.57		1,230.57	
Total.....	\$ 39,438.58	\$ 3,024.88	\$ 36,413.70	
Total disbursements.....	\$ 801,143.22	\$ 300,840.20	\$ 500,303.02	
Inter departmental transportation.....	\$ 41,372.68		\$ 41,372.68	
Net disbursements.....	\$ 759,770.54	\$ 300,840.20	\$ 458,930.34	
*Charged against other departments and included in department totals.				
COMPARISON OF EXPENDITURES FOR FOUR YEARS				
	1922-1923	1923-1924	1924-1925	1925-1926
Total gross expenditures.....	\$851,322.47	\$874,796.58	\$873,963.33	\$ 458,930.54
Deduct refunds.....	84,449.18	143,179.57	183,540.98	296,820.71
Total net expenditures.....	\$166,903.29	\$231,617.01	\$190,412.35	\$ 162,109.83
Deduct capital investment.....	30,035.44	109,375.83	39,051.05	36,643.70
Net cost of maintenance.....	\$136,867.85	\$122,241.18	\$151,361.30	\$ 125,466.13

SCHEDULE NO. 32

APPROPRIATION FEDERAL AID ENGINEERING FUND JULY 1, 1925 TO JUNE 30, 1926 RECEIPTS

Unexpended appropriation July 1, 1925.....	\$254,185.00
Appropriation March 1, 1926.....	275,000.00
Total.....	\$ 529,185.00

EXPENDITURES BY MONTHS

July 1925.....	\$ 22,997.54
August 1925.....	24,599.85
September 1925.....	23,745.32
October 1925.....	21,774.02
November 1925.....	21,505.73
December 1925.....	24,927.10
January 1926.....	22,680.15
February 1926.....	29,313.72
March 1926.....	26,290.59
April 1926.....	29,881.65
May 1926.....	27,783.89
June 1926.....	25,957.43
Total expenditure.....	\$300,840.20
Unexpended appropriation July 1, 1926.....	\$228,345.49
Total.....	\$ 529,185.69

STATEMENT OF EXPENDITURES FEDERAL AID ENGINEERING FUND—JULY 1, 1925, TO JUNE 30, 1926

County	Project No.	Miles	Reconnaissance	Survey	Profile	Specifications	Construction	Records	Bridges and Culverts	Materials and Tools	Construction	Total
Adair	B-173		\$ 28.04	\$ 15.37	\$ 15.15	\$ 76.49	\$ 88.65	38.65		\$ 156.17	\$ 227.00	\$ 383.17
	B-256				13.27	30.56	32.14	32.14		62.23	62.23	94.37
	B-319				45.45		7.33	7.33	17.00	11.08	63.35	74.33
Adams	B-207			11.00			6.83	6.83		10.79		17.62
	B-112				15.00	30.71	263.00	100.30	100.30	679.11	673.05	1,342.16
	B-303			84.00			105.02	4.78		105.02	105.02	210.04
	B-179						87.00	228.86		118.12	22.75	346.87
	B-211		43.40	14.31		\$ 673.00	30.30	30.30		52.01	6.87	390.38
Allamakee	B-20						22.50	22.50		26.10	6.87	35.47
	B-215						.56	.56		18.05	1.89	19.60
	B-27				32.48	100.80	87.70	87.70	18.40	18.70	18.70	116.80
	B-61		62.47	34.02	608.49	42.38	418.35	418.35	32.01	50.17	50.17	500.07
Appanoose	B-61				11.37		58.27	58.27	102.10	52.00	58.85	202.49
	T-560		92.33	1,180.20	9.10		798.02	798.02		1,200.72	108.61	2,009.35
	T-588		10.87	776.37	211.08		688.08	688.08		929.05	108.61	1,625.74
	B-200			23.80	130.38		145.20	145.20		239.39	437.15	586.54
	B-201						35.95	35.95		56.08	57.62	93.70
Audubon	B-201						73.43	73.43	33.00	154.08	37.62	108.41
	B-211						95.00	95.00		135.48	71.96	272.47
	B-158			5.44			3.44	3.44		6.43	14.31	24.18
	B-203			16.70			22.45	22.45		51.29	71.65	125.42
	B-204			149.47			473.22	473.22	92.07	717.02	178.38	1,168.62
	B-205		38.04				31.42	31.42	38.74	38.74	38.74	77.48
	B-206				55.30		8.08	8.08			92.89	100.94
	B-208				84.15		101.05	101.05	4.94	165.82	6.87	272.61
	B-209			22.74			48.29	48.29		105.82	37.56	183.66
	P-127		10.87	342.43			139.96	139.96		315.00	6.87	561.63
	P-135		30.17	254.31	168.75		210.96	210.96		315.00	6.87	561.63
	B-212				3.79		9.40	9.40		9.40	9.40	18.80
	B-225					15.65	360.38	360.38		227.82	227.82	588.20
	T-548		43.40	23.00	725.71		132.89	132.89	289.85	223.06	223.06	667.81
	T-555			35.79	308.05		151.45	151.45		291.40	291.40	642.85

SCHEDULE NO. 32—Continued

County	Project No.	Miles	Reconstruc- tion	Survey	Profile	Specifi- cations	Con- ferences	Records	Bridges and Culverts	Materials and Tools	Con- struction	Total	
Clinton—Continued:	T-228		174.11	1,573.14	100.28		15.27	1,165.67		1,888.38		5,421.85	
	T-229			1,569.79	122.39		102.63	82.85	1,431.37	1,654.72	700.29	4,218.52	
	T-230		38.64	65.35	102.34		45.82	520.05	301.35	1,432.66	700.29	4,129.36	
	P-231				10.92			4.96		7.82	36.98	73.25	117.06
	P-232				9.69		24.05	37.08	8.07	36.98	38.76	84.76	110.45
	P-233				12.79	17.51	8.17	49.80	33.14	64.65	64.65	9.12	128.70
	P-234					87.18				194.91	284.87	184.50	1,194.91
Dallas	P-461								272.40	307.80		1,864.38	
	P-462			273.23	54.55			149.63	302.88	227.17		1,719.96	
	P-463			30.05	46.92			30.07	31.71	62.71	56.02	1,365.58	
	P-464			11.53	26.92			26.92	18.42	18.42	107.07	1,295.19	
	P-465							62.68	38.55	98.95		1,115.39	
Davis	P-500			14.96	43.12			18.74	20.00	316.00	464.70	1,138.50	
	P-501						70.43	307.30	21.00	316.00	464.70	1,418.50	
	P-502			15.35	72.23			200.36	66.11	503.73	269.71	1,419.81	
	P-503							40.39	4.45	31.11	3.34	257.88	
Decatur	P-518		39.84				7.61	1,293.58		1,890.68		5,295.69	
	P-519			7.85	1.67			70.39	36.12	15.80		1,511.92	
	P-520			168.76	114.97		28.71	176.96	28.00	621.27	131.87	1,869.07	
	P-521						18.07	41.37	8.38	73.30	94.62	631.22	
Delaware	P-522			7.50				90.91	15.45	0.93		533.66	
	P-523							9.14	40.00	14.47		48.46	
	P-524				20.16			32.82	10.19	38.05		43.75	
Des Moines	P-525		285.21	1,694.61	209.61			10.00	56.12	1,890.68		5,295.69	
	P-526			244.71	377.25		61.00	333.25	28.00	621.27		1,869.07	
	P-527			1.91	21.64			11.12		27.05		631.22	
	P-528				21.64			33.75	10.19	38.05		43.75	
Dickinson	P-569		28.07	33.06				13.75	3.90	31.75		77.00	
	P-570		17.40	8.16	26.35			247.13	86.18	460.66	494.55	1,335.51	
T-576				8.16				471.62	1,125.30	398.28		2,400.66	

Dubuque	T-577		172.84	19.08	162.74	171.21		111.96		167.39		861.55
	P-578		39.84		84.87	45.82		77.36		133.59		424.53
	P-579					29.57		6.11		18.53	181.59	21.23
	B-580							11.27	15.08	25.79		52.14
	B-581							6.76		11.19		28.03
	B-582							9.34		4.02		15.04
	B-583							3.34		5.64		2.03
Fayette	P-584			5.57	24.61			6.65	10.00	10.00		41.76
	P-585				37.99			26.09	42.17	42.17		171.00
	P-586							2.67	2.67	2.67		10.00
	P-587			81.72	33.29			16.30	22.62	25.74		323.28
	P-588							9.94	5.76	5.76		96.32
	P-589							3.94	12.14	12.14		21.54
Floyd	T-590		100.63	869.24	47.74	7.64		22.09	10.35	35.85		317.79
	P-591		27.16		719.52	31.36		600.11	121.31	1,111.02		4,325.00
	P-592				102.99	7.00		3.82		6.11	6.00	14.90
	B-593				63.53			148.56	90.25	234.70		617.51
Franklin	P-594		24.10					38.00	10.25	140.33		397.37
	P-595							72.00	180.50	140.33		575.55
	P-596							17.00	8.47	15.00		160.60
	B-597				63.53			0.17		0.27		1.01
Fremont	B-598							6.19	9.78	9.78		36.59
	B-599			8.71	56.99			37.24	43.04	43.04		137.05
	B-600			46.76	898.56			415.00	977.79	1,284.24		4,723.81
	B-601							10.75	10.75			42.00
Greene	P-602				7.30			1.14		8.80	18.56	32.93
	P-603			156.06	72.74			3.27	5.10	37.09	37.12	65.89
	P-604			111.84				124.94	226.17	226.17	88.45	969.49
	P-605				3.79			25.58	3.79	25.58	238.07	311.11
Grundy	B-606							15.00	25.14	25.83	11.40	83.00
	B-607							2.99	4.97	4.97		36.53
	B-608				3.49			16.71	36.49	36.49		86.42
	B-609			11.02	111.17			119.10	8.98	304.16	239.02	616.31
	B-610			22.54	40.75			13.15	13.15	38.78		124.00
Ottumwa	P-611							18.23		28.96		95.16
	P-612			6.71	32.13			4.83	14.60	14.60		39.41
	T-596		83.30	1,867.61	421.45		2.25	126.00	4.19	172.50		2,857.22
T-597							1,467.95		2,225.79		6,069.46	

SCHEDULE NO. 32—Continued

County	Project No.	Miles	Reconnaissance	Survey	Profile	Specifications	Conferences	Records	Bridges and Culverts	Materials and Tests	Construction	Total
Hamilton	P-79				1.44			45		1.00		3.12
	P-217				1.82			18.58		29.35	61.01	109.84
	P-219							1.88	3.59	35.44	72.02	131.72
	B-104							6.39	16.45	9.55		7.11
	B-94							35.01		86.90	183.31	325.27
Hancock	8-15				55.01			43.80		69.43		210.20
	8-16				80.51			41.52		64.01		196.88
	8-44			.69	100.15			130.87		183.27		508.90
	8-45				37.15			28.28		38.75		71.28
Hardin	P-82		41.46					29.85		45.70	21.60	102.01
	P-251							67.22		1,045.82	428.90	3,074.47
	214		51.04		284.29			374.19		30.52		1,154.19
Harrison	P-228				25.85			374.30		485.77		1,771.87
	B-188				44.98			143.94	21.55	280.08	229.87	777.47
	B-313							37.44		59.15		224.41
	151				16.19			376.53	874.54	674.31	770.70	2,941.62
Henry	B-190				162.59			138.70		219.15		791.01
	B-191							88.70		31.64		1,431.40
	B-320		42.46					31.82		44.29		144.29
	31				8.44			96.67	143.00	170.82	37.46	448.23
Howard	190		67.19		12.13			22.33		45.30		155.84
	P-103		105.10		22.13			37.41		156.82	259.02	768.71
	B-294							49.97		37.45		306.14
	B-330							23.72	61.04	37.45		132.64
Humboldt	B-199							4.88		7.22	13.75	37.19
	8-21							39.39		41.21		155.57
	8-20							.61		34.84	81.90	155.53
	8-21							.61		.57		2.82
Ia.	B-331		94.34		62.12			168.94		172.10	172.56	693.82
	B-332				14.65			165.11		158.16	45.82	502.87
	B-333				14.65			165.11		57.60	372.70	585.05
	P-213		59.30									

Iowa	B-196							67.60	89.24	190.98	109.80	356.17
	T-284							184.70		267.05	7.96	786.08
	T-284							39.98		139.86	1.56	399.50
	B-197							27.61		125.70	85.69	339.00
	B-198							52.06	3.10	135.17	125.49	438.83
Jackson	B-190				58.84			37.94	67.94	69.44	97.17	328.19
	B-191				7.82			63.13		48.01		222.34
	B-192				6.82			11.13		8.46		15.01
	B-193							75.55		48.11	22.87	1,435.40
Jasper	B-148			1.77	22.03			59.78	33.24	134.23	30.63	282.37
	B-149				5.69			2.58		4.07		12.34
	B-150							233.58		688.69	109.42	1,464.89
	B-151				7.28			1,024.31	109.23	1,156.56	472.65	4,644.89
Jefferson	B-189				722.08			65.55		74.17	156.45	977.58
	B-190							2.34	3.79	2.70		11.25
	B-191				284.45			743.85	22.32	1,170.89	279.44	3,422.02
	B-192				36.84			16.11		29.49		101.46
Johnson	B-220				1.44			27.65		43.72	55.53	101.82
	B-221							62.41		62.41		124.82
	B-222				300.27			285.25	12.87	453.90	24.00	1,434.69
	B-223				6.49			17.07		96.97		80.50
Jones	P-307				33.66			3.05		90.28	179.02	334.45
	P-311				6.49			168.09		168.09		334.45
	B-310							13.87		27.31	80.50	264.37
	C-94							74		1.17	2.47	4.88
Keokuk	P-294		25.88		177.31			104.89	79.05	306.62	64.69	1,144.00
	B-190							17.35		37.45		1,000.28
	B-191							68.90	132.44	216.55	7.45	505.37
	B-192							86.30	132.88	197.60	1.67	505.47
Lee	P-346				16.86		81.38	292.95	179.27	527.62	85.50	889.50
	B-147				24.41		65.64	173.14	316.83	248.71	168.59	854.98
	B-148						39.55	71.07	132.89	152.58		371.57
	C-30				130.25		39.55	115.08	115.08	129.20		593.40
Lee	C-30							53.43	214.72	87.56	34.00	431.35
	T-558				71.95			8.59		29.64		90.91
	B-149				179.45			41.25		69.91		313.66
	B-150				1.91			22.67		54.29		172.59
Lee	P-169				1.44			67.54		85.80	119.20	296.85
	B-201							31.90		62.79	46.81	246.15

SCHEDULE NO. 32—Continued

130

IOWA STATE HIGHWAY COMMISSION

FINANCIAL STATEMENT

County	Project No.	Miles	Reconnaissance	Survey	Profile	Specifications	Conferences	Records	Bridges and Culverts	Materials and Tests	Construction	Total
Sioux	54				16.10			7.30		11.54		34.94
	251							3.70	5.17	5.94	5.73	20.44
	P- 83		5.75		10.31			1.98	5.17	3.13		19.58
	P-223		10.53					24.91		30.30	35.34	135.06
	P-391						44.83	29.90	8.67	47.24	66.43	162.77
	B-181			6.05				31.14		49.30	63.43	188.60
Story	P-439	18.11		46.82	174.40			39.55	43.68	32.47		192.75
	B-323			1.76				139.00		205.43	59.85	634.72
	B-323						15.27	7.51	5.92	13.86		42.32
Tama	47				6.97			69.79	173.98	110.23		369.99
	237				8.67			4.02		6.35		19.34
	P- 276	71.24		95.06	574.49			475.32	397.07	770.82	33.00	3,227.09
	P-309	97.79		55.28				56.92		80.22		308.89
	P-423	36.22		57.93	70.06			115.91	8.98	186.12		603.43
Taylor	106				15.16			12.82		20.25	18.72	85.13
Union	82		43.46	169.00	33.99			9.45		14.94	31.51	55.50
	P-278							111.72	244.03	210.21	385.51	1,274.62
	P-405							26.25	67.17	106.12	300.25	520.76
	P-440							1.40		186.12	4.67	212.69
	B- 43				27.37		26.93	19.27		31.10		8.29
	B-295							24.81	64.78	30.19		128.78
Van Buren	165			11.88	43.97			38.10		60.19	106.04	230.82
	222			3.90	174.42			34.09		53.80	22.16	165.96
	B-180							401.28	342.23	769.05	283.29	2,066.82
	T- 270							56.84	143.42	39.80		236.07
	T- 692							256.42	699.57	406.10		1,361.00
	42				146.52			4.81		14.00		19.41
Wapello	159			15.81				66.45		104.98		317.95
	P-245			8.78	29.60			137.07	21.55	216.55		41.56
	P-262			131.15	28.88		218.83	139.80	21.55	199.04	83.06	770.41
	B-223			1.96	17.28			9.08		14.34		548.94
	O- 28							380.62	732.75	443.33		42.66
Warren	11	60.37		12.73				125.08		328.97	37.50	1,456.70
	365							84.31		14.64		585.80
	P-176				42.45			59.32	7.18	80.01	44.22	38.22
								37.38		59.09		279.99
												221.02
Washington	B-189			.73				16.66		.73		1.92
Wayne	P-353			.80	38.48	109.74	174.52	321.73	381.55	539.65	237.98	1,923.15
Webster	B-275	38.64						9.37	98.75	59.74		196.31
	270			1.96	9.45			15.18	13.95	23.97	14.32	78.58
	272			1.96	6.44			34.23		38.28	60.80	137.80
	P-343			5.31				3.96		5.39		13.97
	P-339			15.72	135.56	311.22		138.92		251.07	216.08	1,144.52
Winnebago	B-300							1.64	4.27	2.58		8.49
	P-130			7.49				21.38		33.77	25.16	130.48
	P-307	38.64		86.54	109.61			192.13	7.18	303.52	163.86	966.27
	B-343							4.79	12.66	29.68		67.13
Winneshieck	98			78.05	11.86	270.36	109.74	75.65	339.70	525.84	102.70	1,865.88
	284			65.19				19.37		299.78	30.25	576.10
	P-121	31.73		22.75	15.15	189.75		83.66		167.62	90.39	535.78
	P-177	43.46			178.15			188.51		297.81	211.57	1,032.70
Woodbury	B- 2			.93				3.20	6.82	5.09		16.00
	74			10.53				48.14		76.65	22.19	233.70
	106				76.82			16.39		39.07		78.96
	162				39.29			16.59		26.07		78.96
	188				94.91			43.04		68.00		205.96
	245				43.52			22.00		34.79		105.28
	264				37.69	167.90		30.66		512.01	632.68	1,607.94
	P- 45				297.74			679.11	794.80	1,073.96	185.56	3,312.93
	B-240				156.12			71.74		113.29		345.15
	T- 628							38.23	217.49	131.57		435.31
	T- 664				77.75			35.25		55.68		168.68
	T- 682			13.83	11.37			13.83		21.92		61.00
	T- 682			690.49	198.71			403.07		731.57		3,983.84
Worth	398				197.83			71.38		113.09		342.49
	P- 82							15.57		38.13	56.25	125.71
	P-216				5.31			30.55		29.31	19.98	96.89
	B- 29							17.62		27.84	43.83	105.84
Wright	39							27.85	72.72	43.99		144.56
	207				.83			43.66		68.98	145.50	268.14
	P- 19							149.00	396.37	235.41		782.42
	P-199							54.46		85.87	181.14	321.35
	P-200							30.00	5.47	8.65	9.21	53.27
	P-287							23.01		38.49		33.25
	P-454			61.87	.65			12.10		19.22	174.15	343.05
	B- 206			3.71				7.80		12.15	12.33	98.54
												38.28
Total		\$ 6,114.72	\$ 30,289.96	\$ 22,433.46	\$ 3,281.78	\$ 7,069.82	\$ 60,397.23	\$ 58,739.05	\$ 95,643.49	\$ 35,425.78	\$ 300,849.20	

SCHEDULE NO. 34

STATEMENT OF DEVELOPMENT FUND
DECEMBER 1, 1925, TO NOVEMBER 30, 1926

RECEIPTS

From Primary Road Fund.....	\$ 2,121,597.97	
From Federal Aid.....	2,121,597.97	
Total.....		\$ 4,243,195.94

EXPENDITURES

For Construction.....	\$ 1,828,391.97	
For Bond Redemption and Interest.....	171,500.00	
Total Expended.....	\$ 1,999,891.97	
Balance November 30, 1926.....	2,243,303.97	
Total.....		\$ 4,243,195.94

STATEMENT OF EXPENDITURES FROM DEVELOPMENT FUND BY COUNTIES
DECEMBER 1, 1925, TO NOVEMBER 30, 1926

County	Amount	County	Amount
Allanakee.....	\$ 31,246.90	Jefferson.....	854.57
Appanoose.....	1,046.81	Johnson.....	26,409.33
Audubon.....	42,271.88	Jones.....	587.39
Black Hawk.....	107,724.54	Keokuk.....	55,920.23
Boone.....	26,500.00	Lee.....	29,982.65
Buchanan.....	17,735.18	Linn.....	73,139.30
Butler.....	10,000.00	Linn.....	45,797.68
Carroll.....	36,958.71	Marion.....	58,319.43
Cass.....	28,505.96	Marion.....	17,043.67
Cerro Gordo.....	25,771.23	Mills.....	29,068.20
Cherokee.....	2,316.35	Mitchell.....	227.60
Chickasaw.....	14,729.23	Monroe.....	22,324.19
Clarke.....	28,773.26	Monroe.....	9,211.50
Clinton.....	17,856.28	Montgomery.....	65,854.55
Crawford.....	66,481.85	Muscatine.....	18,661.25
Davis.....	46,881.65	O'Brien.....	8,431.20
Des Moines.....	36,078.41	Plymouth.....	276,486.14
Dubuque.....	37,177.35	Polk.....	42,500.00
Fayette.....	21,929.61	Pottawattamie.....	55,949.80
Floyd.....	11,218.84	Poweshiek.....	31,127.67
Franklin.....	39,831.53	Ringgold.....	35,842.54
Grant.....	5,065.22	Tama.....	27,737.79
Greene.....	10,736.92	Tama.....	25,059.09
Hamack.....	25,500.00	Union.....	14,459.02
Hancock.....	29,126.69	Van Buren.....	69,783.77
Harrison.....	16,792.94	Washington.....	41,498.06
Henry.....	15,003.33	Wayne.....	7,971.70
Howard.....	11,984.82	Winnebago.....	46,787.28
Iowa.....	15,802.75	Woodbury.....	5,545.59
Jackson.....	17,682.48	Worth.....	25,010.12
Jasper.....	67,135.84		
		Total.....	\$ 1,999,891.97

SCHEDULE NO. 35

STATEMENT OF ANTICIPATION CERTIFICATE FUND
DECEMBER 1, 1925 TO NOVEMBER 30, 1926

Receipts:		
Balance December 1, 1925.....	\$ 208,071.83	
Issued during period.....	1,284,189.78	
Total.....		\$ 1,692,261.61
Expenditures:		
For construction.....	\$ 1,001,004.03	
Balance November 30, 1926.....	69,597.68	
Total.....		\$ 1,692,261.61

STATEMENT OF ANTICIPATION CERTIFICATE FUND RECEIPTS AND EXPENDI-
TURES BY COUNTIES DECEMBER 1, 1925 TO NOVEMBER 30, 1926

County	Balance December 1, 1925	Receipts During Period	Total	Expenditures During Period	Balance November 30, 1926
Adair.....		\$ 25,322.62	\$ 25,322.62	\$ 14,300.52	\$ 10,982.10
Allanakee.....	\$ 5,399.18	60,000.00	65,399.18	38,182.93	27,416.25
Audubon.....	15,928.55	65,081.03	80,959.58	69,976.23	10,983.35
Benton.....		83.33	83.33	83.33	
Boone.....	33.43	7,000.00	7,033.43	7,000.45	2.98
Brosemer.....		7,000.00	7,000.00	7,000.00	
Butler.....	14,994.31	60,028.92	75,023.23	69,533.34	5,489.89
Carroll.....	12,859.96	27,158.08	40,018.04	24,298.12	15,719.92
Cass.....	105.37	10,151.90	10,257.27	10,956.78	702.51
Cherokee.....	10,296.42	40,087.15	50,383.57	46,706.85	3,776.72
Chickasaw.....	3,343.95	29,101.59	32,445.54	16,728.52	15,717.02
Clarke.....	31,786.48	50,000.00	81,786.48	81,516.79	269.69
Crawford.....		25,000.00	25,000.00	22,534.39	2,465.61
Dallas.....	481.07	25,042.50	25,523.57	54,583.59	29,060.02
Davis.....	6,230.81	57,000.00	63,230.81	62,894.88	336.93
Fayette.....	7,221.40		7,221.40	5,594.21	1,627.19
Grundy.....	12,139.83	60,000.00	72,039.83	63,969.55	8,070.28
Guthrie.....	2,427.44		2,427.44	2,427.44	
Hamilton.....		12,000.92	12,000.92	33,979.32	21,978.40
Hanlin.....	8,404.75		8,404.75	8,404.75	
Henry.....		60,006.25	60,006.25	56,792.70	3,293.40
Howard.....	3,984.32		3,984.32	3,984.32	
Ia.....	19,697.48	30,000.00	49,697.48	28,592.53	21,104.95
Iowa.....		25,060.18	25,060.18	15,968.42	9,091.76
Jackson.....	40,099.17	40,000.00	80,099.17	27,017.73	53,081.44
Jasper.....		40,000.00	40,000.00	20,325.54	19,674.46
Keokuk.....	3,046.32		3,046.32	3,046.32	
Lee.....	35,185.94	35,185.94	70,371.88	32,127.87	38,244.01
Lee.....	4,504.54	40,010.00	44,514.54	29,579.55	14,934.99
Linn.....	25,000.00	25,000.00	50,000.00	15,739.45	34,260.55
Marion.....	25,065.63		25,065.63	21,907.68	3,157.95
Mitchell.....	3,970.83	15,027.55	18,998.38	28,998.38	
Muscatine.....	8,103.00	65,009.40	73,112.40	46,340.62	26,771.78
Page.....	10,561.88	21,000.00	31,561.88	31,406.11	155.77
Pala Alto.....	6,288.35	292.68	6,581.03	47,488.03	40,892.90
Plymouth.....	105,051.50		105,051.50	105,051.50	
Pottawattamie.....	10,481.07	45,068.75	55,549.82	122,579.82	66,998.00
Poweshiek.....	8,871.21	25,001.88	33,873.09	33,894.64	28.45
Ringgold.....	24.54		24.54		24.54
Shelby.....	2,802.14		2,802.14	2,799.91	2.23
Scott.....	.01		.01		.01
Story.....	328.39	22,040.50	22,368.89	56,743.85	34,374.94
Tama.....	15,396.70		15,396.70	15,396.70	
Taylor.....		48,000.00	48,000.00	48,000.00	
Union.....	15,079.96	30,000.00	45,079.96	14,901.69	30,178.27
Van Buren.....		50,000.00	50,000.00	32,504.42	17,495.58
Wapello.....	6.95		6.95		6.95
Warren.....	7,405.99		7,405.99	239.59	7,166.40
Washington.....	112.21		112.21	9.08	103.13
Webster.....	4,111.39	25,988.54	30,099.93	46,735.73	16,664.20
Wayne.....	11,746.35	29,052.77	40,799.12	31,784.22	9,014.90
Winnebago.....	6,668.55	35,066.11	41,734.66	41,868.59	66.11
Worth.....	11,617.21		11,617.21	11,617.21	
Total.....	\$208,071.83	\$1,284,189.78	\$1,692,261.61	\$1,001,004.03	\$69,597.68

*Overdraft.

IOWA STATE HIGHWAY COMMISSION

SCHEDULE NO. 38
SUMMARY OF ALL EXPENDITURES FOR ROAD AND BRIDGE CONSTRUCTION ON PRIMARY ROAD SYSTEM BY FUNDS DECEMBER 1, 1947
TO NOVEMBER 30, 1949

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Road Fund	County Fund	City Fund	Development Fund	Total Expended	
Adair	173	\$ 123,692.04	\$ 26,488.38						\$ 150,180.42	
	P-28	148,639.16							148,639.16	
	P-162	31,666.79							31,666.79	
	B-53	19,368.13							19,368.13	
	B-64	31,496.79							31,496.79	
	B-163	7,779.17							7,779.17	
	B-221	26,766.63	2,425.16						29,191.79	
	B-239	7,478.59	2,642.35						10,120.94	
	B-246	21,466.44	31,822.00						53,288.44	
	B-319	2,828.22							2,828.22	
	Total	\$ 438,881.87	\$ 60,319.45							\$ 499,201.32
	Adams	26	\$ 169,108.00	\$ 1,022.79						\$ 170,130.79
		122	27,903.29	78,008.71						105,912.00
219		21,423.13	4,238.50						25,661.63	
Allamakee	B-119	\$ 41,429.00	12,368.50						\$ 53,797.50	
	B-142	15,317.64	1.50						15,319.14	
	PAB-227	69,003.51	10,000.00						79,003.51	
	Total	\$ 215,337.47	\$ 100,300.23						\$ 315,637.70	
	Allamakee	161	\$ 78,768.05	\$ 61,921.85						\$ 140,689.90
		170	111,751.83	79,139.54						190,891.37
		197		2,281.69					\$ 25,679.33	27,961.02
		P-29	35,045.68	351.42						35,397.10
P-118		42,960.38	1,369.51						44,329.89	
P-271		2,257.74	16,395.79						18,653.53	
P-451		4,143.14	1,027.43						5,170.57	
C-10		25,317.01				\$ 37,886.50			63,203.51	
B-68		7,439.60							7,439.60	
B-69		6,000.33							6,000.33	
B-141		3,294.36	32,799.50						36,093.86	
Total		\$ 349,294.36	\$ 142,437.69							\$ 491,732.05

FINANCIAL STATEMENT

B-156	22,375.80	154.29							22,530.09	
B-161	31,369.12	7,437.29							38,806.41	
B-167	49,776.10	24,000.00							73,776.10	
PAB-215	1,267.59	2,287.29					3,554.88		5,101.87	
B-237	1,256.58	2,355.00							3,611.58	
B-282	\$ 461,431.84	\$ 206,826.08					\$ 27,956.50		\$ 696,214.42	
Appanoose	27	\$ 77,941.94	\$ 77.00						\$ 78,018.94	
	229	32,746.00	9,274.10						42,020.10	
	P-271	16,692.82	25,197.30						41,890.12	
	P-451	3,094.73							3,094.73	
	C-29		15,000.00						15,000.00	
	FAB-27	283.31							283.31	
	B-30	62,289.08							62,289.08	
	B-185	12,660.11	30,312.34						42,972.45	
	FAB-229	\$ 601,990.37	\$ 90,073.20					\$ 26,908.41		\$ 699,071.98
	Total	\$ 172,623.26	\$ 62,494.42					\$ 36,656.50		\$ 271,774.18
Audubon	22	\$ 281,271.38	\$ 135,428.33	\$ 54,890.10					\$ 471,889.81	
	298	2,690.10	66,972.43						69,662.53	
	FAB-21	69,602.40	880.00						70,482.40	
	B-41	26,887.72	8,912.70						35,800.42	
	B-349	12,833.52	5,137.40						17,970.92	
	B-377	59,400.60							59,400.60	
	Total	\$ 385,623.76	\$ 189,493.95					\$ 42,291.89		\$ 617,418.50
	Benton	58	\$ 261,271.38	\$ 135,428.33	\$ 54,890.10					\$ 471,889.81
		201	32,006.41							32,006.41
		268	8,691.36							8,691.36
B-21		1,044.00							1,044.00	
278		19,177.90							19,177.90	
285		12,461.01							12,461.01	
P-6		475.00							475.00	
FAB-28		641.67							641.67	
FAB-291		4,279.50							4,279.50	
FAB-273		3,118.46							3,118.46	
FAB-285	5,637.16							5,637.16		
B-299	7,734.25							7,734.25		
Total	\$ 385,623.76	\$ 189,493.95					\$ 24,001.94		\$ 609,119.65	

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Benton—Continued:	B-316	5,186.19							5,186.19
	B-323	13,635.02							13,635.02
Total		\$ 534,140.43	\$ 135,458.33	\$ 54,890.10			\$ 24,061.04	\$ 107,724.54	\$ 856,245.33
Black Hawk	25	3,655.47			\$ 91,860.71	\$ 87,714.15			\$ 181,236.33
	62	30.18		\$ 61,181.10	535,390.14				\$ 606,607.51
	300	189.40		50,717.33	343,621.90				\$ 394,149.83
	301	200.00			43,038.50				\$ 43,038.50
	302	3,455.70		27,047.03	196,145.32				\$ 219,708.50
	P-31	15,399.37							\$ 15,399.37
	P-123	755.94							\$ 755.94
	P-164	47,731.41			5,023.24				\$ 52,754.65
	P-223	58,631.96			15,830.00				\$ 74,461.96
	P-235	14,338.91							\$ 14,338.91
	P-300	145.58		1,284.06					\$ 1,429.64
	P-303	57,900.68			12,945.44				\$ 70,846.12
	P-321	40,320.15			77.85				\$ 40,398.00
	P-359	71,961.91							\$ 71,961.91
	B-77	14,782.15							\$ 14,782.15
	B-125	31,632.13							\$ 31,632.13
	B-129	52,104.63							\$ 52,104.63
	B-172	359.00							\$ 359.00
	B-206	9,930.65							\$ 9,930.65
	B-267	8,582.84							\$ 8,582.84
Total		\$ 412,506.78		\$ 183,369.10	\$ 1,505,325.00	\$ 87,714.15			\$ 2,186,905.03
Boone	46	\$ 155,912.12	\$ 30,000.00						\$ 185,912.12
	P-30	13,723.74	28,676.32						\$ 42,400.06
	P-58	25,406.24	116,402.80				\$ 17,735.18		\$ 149,544.22
	P-61	9,472.57	241.72						\$ 9,714.29
	P-134	19,508.70	35,968.79						\$ 55,477.49
	B-327	755.42	3,925.70						\$ 4,681.12
Total		\$ 234,748.79	\$ 214,635.31				\$ 17,735.18		\$ 457,119.30

*Minus Quantity.

Bremer	88	\$ 73,760.17							\$ 73,760.17
	282	14,192.08							\$ 14,192.08
	P-191	66,200.80	\$ 15,346.88						\$ 81,547.68
	P-238	28,552.72	1,870.06						\$ 30,422.78
	P-277	16,516.16	30,792.28						\$ 47,308.44
	P-334	14,937.32	17,223.58						\$ 32,160.90
	P-377	244.30							\$ 244.30
	P-421	4,377.43							\$ 4,377.43
	P-422	6,325.73							\$ 6,325.73
	B-58	11,576.20							\$ 11,576.20
	B-80	29,722.70	16,893.93						\$ 46,616.63
	B-208	45.96	16,022.91						\$ 16,068.87
	B-236	3.86	1,374.74						\$ 1,378.60
	B-256	5,191.15							\$ 5,191.15
Total		\$ 265,852.16	\$ 67,000.00						\$ 332,852.16
Buchanan	5	\$ 265,222.13	\$ 130,006.12	\$ 48,900.34		\$ 2,228.65	\$ 6,270.57		\$ 442,626.81
	202	12,100.16							\$ 12,100.16
	P-66	7,797.70	32,169.78						\$ 39,967.48
	P-239	1,505.00	1,965.00						\$ 3,470.00
	P-300	7,581.53	849.63						\$ 8,431.16
	P-309	*1,292.31	87,949.57	5,072.33					\$ 94,314.21
	B-91	16,416.71	4,664.58						\$ 21,081.29
	B-136	1,388.50							\$ 1,388.50
	B-140		901.91						\$ 901.91
	B-228	6,100.00	.60						\$ 6,100.60
	FAB-363	5,565.98					\$ 10,000.00		\$ 15,565.98
Total		\$ 322,394.50	\$ 216,897.93	\$ 53,972.57		\$ 2,228.65	\$ 6,270.57	\$ 10,000.00	\$ 611,864.22
Buena Vista	37	\$ 109,873.71							\$ 109,873.71
	P-16	108,965.34							\$ 108,965.34
	P-49	31,588.08							\$ 31,588.08
	P-33	21,731.87							\$ 21,731.87
	S-1	13,469.05							\$ 13,469.05
	S-10	34,707.35		\$ 5,061.13					\$ 39,768.48
	S-11	32,103.51		3,000.29					\$ 35,103.80
	S-27	17,568.16							\$ 17,568.16
	S-28	11,388.00							\$ 11,388.00
	S-29	13,994.51							\$ 13,994.51
	S-77	12,836.29							\$ 12,836.29
	S-78	8,065.32							\$ 8,065.32
	S-82	3,866.67		618.88					\$ 4,485.55
	S-83	5,803.99		2,935.33					\$ 8,739.32
	S-84	3,391.19		1,130.40					\$ 4,521.59

*Minus Quantity.

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended	
Boons Vista—Continued:	S-85	3,332.23		1,110.75					4,443.03	
	S-86	2,442.27		814.09					3,256.36	
	S-87	433.65		144.55					578.20	
	S-88	1,959.01		653.00					2,612.01	
	S-89	1,388.44		492.81					1,881.25	
Total		\$ 439,871.75		\$ 15,934.23					\$ 455,805.98	
Butler	85	\$ 152,391.37	\$ 1,607.08						\$ 153,998.45	
	274		0,483.00					\$ 24,078.83	\$ 25,561.88	
	P-71	72,465.33	32,531.32						104,996.65	
	P-132	1,387.14	332.70						1,719.84	
	P-167	54,135.53	60,925.57						115,061.10	
	P-309		36,123.14						36,123.14	
	P-267	3,893.93	60,955.32						64,849.25	
	P-371	974.83	7,042.11						8,016.94	
	P-417		346.88						346.88	
	B-75	6,795.30	3,545.29						10,340.59	
	B-172		335.49						335.49	
	B-192	13,328.68	1,821.59						15,150.27	
	B-202		12,168.99						12,168.99	
	B-202	8,112.94	7,039.32						15,152.27	
	FAB-274			23,487.19				6,479.83		29,967.02
	Total		\$ 323,652.05	\$ 243,552.36				\$ 30,558.71		\$ 607,763.02
	Calhoun	10	\$ 110,435.31							\$ 110,435.31
P-5		20,299.32							20,299.32	
P-16		57,308.15							57,308.15	
P-92		38,578.20	11,222.65						49,800.85	
P-96		31,628.83	2,678.24						34,307.07	
P-107		7,507.54	6,054.97						13,562.51	
P-300		3,508.71							3,508.71	
S-8		35,982.56							35,982.56	
S-33		9,338.51							9,338.51	
S-34		26,029.55							26,029.55	
S-35		8,704.34		2,501.44					11,205.78	
S-36		14,538.00		4,862.02					19,399.11	
S-37		3,071.23		966.70					4,037.93	
Total			\$ 417,110.05	\$ 20,656.94	\$ 12,589.87			\$ 27,365.09		\$ 508,468.66
Carroll	99	\$ 90,106.89	\$ 335.62						\$ 90,442.51	
	154	64,820.34	104,030.28						168,850.72	
	P-14	38,237.76	30,075.00						68,312.76	
	P-141	5,966.39							5,966.39	
	P-229	9,460.94	19,359.59						28,820.53	
	P-392	2,058.45							2,058.45	
	P-398	3,325.79	259.07						3,584.86	
	P-449	2,256.53	24.00						2,280.53	
	O-19		12,000.00					\$ 27,365.09	\$ 39,365.09	
	B-14	26,087.76							26,087.76	
	B-22	3,851.87							3,851.87	
	B-118	4,643.73	29,462.78						34,106.51	
	B-122	33,451.69	9,292.05						42,743.74	
	FAB-154							\$ 36,945.90	\$ 36,945.90	
Total		\$ 304,248.17	\$ 194,710.89				\$ 27,365.09	\$ 36,945.90	\$ 663,270.05	
Cass	44	\$ 68,318.29	\$ 29,840.52						\$ 98,158.81	
	152	106,582.30	62,254.66						168,836.96	
	P-150	18,901.19	20,000.00						38,901.19	
	FAB-44	5,089.38	8,212.51						13,301.89	
	B-61	28,918.09							28,918.09	
	B-109	96,180.51	1,815.34						97,995.85	
	B-273	10.00	10,576.71						10,586.71	
	B-282	47,942.94	19,758.16						67,701.10	
	B-248		2,673.01						2,673.01	
Total		\$ 367,143.00	\$ 156,651.91				\$ 38,595.38		\$ 562,390.29	
Cedar	57	\$ 125,806.89							\$ 125,806.89	
	218	25,282.68							25,282.68	
	P-114	203,622.58							203,622.58	
	P-216	31,160.64							31,160.64	
	P-437	1,153.65							1,153.65	
	O-41	5,851.00						\$ 35,118.41	\$ 41,969.41	
	B-204	21,124.30							21,124.30	
	B-206	23,286.11							23,286.11	

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Cedar—Continued:	FAB-213	5,294.79							5,294.79
	B-238	25,233.80							25,233.80
	B-239	35,437.02							35,437.02
	B-280	22,799.84							22,799.84
	B-281	16,245.65							16,245.65
Total		\$ 542,375.88					\$ 35,118.41		\$ 577,494.29
Cerro Gordo	1	44,907.50				46,704.12			91,701.62
	61	116,425.37		\$ 31,009.07	\$ 189,971.39				277,405.83
	115	276,499.88		115,666.15	616,799.29				1,008,965.32
	P-89							\$ 771.23	771.23
	P-275	72,177.90			3,229.22				75,407.12
C-22	3,500.00						\$ 12,614.88	16,114.88	
Total		\$ 513,510.94		\$ 146,725.22	\$ 790,000.00	\$ 46,704.12	\$ 12,614.88	\$ 771.23	\$ 1,470,416.39
Cherokee	116	59,256.83							59,256.83
	228		\$ 5,811.78						5,811.78
	P-98	47,465.94							47,465.94
	P-151	95,194.00	15,813.96						111,007.96
	P-214	65,245.55	5,302.67						70,548.22
	P-249	14,158.95							14,158.95
	P-292	10,647.36	34,361.30						45,008.66
	P-295	62,918.42							62,918.42
	P-411		224.55						224.55
	P-435	3,028.50	10,135.40						13,163.90
	P-457							\$ 26.21	26.21
	B-7	23,074.17							23,074.17
	B-170	14,162.41							14,162.41
	B-182	66,815.55							66,815.55
	B-194	1,916.82	15,985.63						17,902.45
B-261	4,933.19	29,442.36						34,375.55	
FAB-288		3,700.27						3,700.27	
B-349							2,430.24	2,430.24	
Total		\$ 454,747.00	\$ 121,637.08				\$ 2,516.66		\$ 578,901.32

Chickasaw	25	97,390.79	26.30			178.00			97,565.39
	78	128,690.91	23,449.99					\$ 2,855.80	155,036.70
	160	4,627.00	61,959.23					7,881.72	64,436.90
	177	8,563.01	87,023.69					371.70	95,967.90
	P-131	360.00	26,288.46					611.91	27,260.47
	FAB-193	3,282.00	19,497.82						22,779.82
	B-169		12,238.70						12,238.70
	B-300	3,967.50	23,501.84						27,469.34
	B-324	4,465.00	8,927.66						13,392.66
	Total		\$ 262,017.23	\$ 243,200.68			\$ 178.00	\$ 11,730.23		$ 507,845.54
Clarke	32	104,893.16							104,893.16
	241	4,222.12						\$ 18,959.38	23,481.50
	P-31	95,188.78	2,004.11						97,192.89
	P-213	35,255.19	39,980.02					9,814.47	75,449.68
	B-38	17,728.32							17,728.32
	B-184	18,206.95	11,635.87						29,842.82
	FAB-211	5,234.10							5,234.10
B-338	480.20							480.20	
Total		\$ 272,549.82	\$ 53,000.00				\$ 28,773.86		\$ 354,423.67
Clay	P-32	20,227.75							20,227.75
	P-56	119,214.38							119,214.38
	P-256	38,896.53							38,896.53
	P-239	81,567.88							81,567.88
	P-420	2,948.37							2,948.37
	S-468	12,818.18							12,818.18
	S-94	13,569.27							13,569.27
	B-36	46,898.08							46,898.08
	B-191	18,082.35							18,082.35
	B-192	85,167.16							85,167.16
	B-288	1,518.34							1,518.34
Total		\$ 439,948.29							\$ 439,948.29
Clayton	74	275,812.33	99,081.40						374,893.73
	156	73,236.31	150,029.83						223,866.14
	166	386.58	34,808.02					\$ 5,068.36	35,212.96
	P-70	29,851.19	87.06						29,938.25
	P-144	1,674.86	600.24						2,275.10
	P-238	7,882.49	4,627.25						12,509.74
	P-346	824.65	288.71						1,113.36
	P-383	1,632.97							1,632.97
	P-439		13,776.63						13,776.63
	C-35		6,240.00					\$ 12,265.81	18,505.81
B-62	17,340.02							17,340.02	

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Clayton—Continued:	B-63	12,808.78							12,808.78
	B-85	43,313.77	6,880.77						50,194.54
	B-136	2,194.25	966.82						3,161.07
	B-165	41,729.95							41,729.95
	FAB-166		927.66					12,796.92	13,724.58
	B-167	5,302.00							5,302.00
Total		\$ 114,100.23	\$ 824,902.88				\$ 12,263.81	\$ 17,865.28	\$ 869,251.20
Clinton	18	\$ 247,469.00		\$ 100,650.63	\$ 576,208.29				\$ 924,327.91
	147	22.90		69,884.97	414,802.05				475,709.92
	149	677.35		16,299.73	135,172.59				152,149.68
	150	655.37		10,915.94	89,002.22				100,668.53
	204	17,151.00		54,198.78	292,627.99				463,968.25
	205	1,195.90		1,900.00	32,353.77				35,449.57
	222	17,345.50						\$ 21,461.85	38,807.45
	262	11,583.43							11,583.43
	P-125	35,012.14			29,023.14				64,035.28
	P-228				7,885.97				7,885.97
	P-271	5,973.31			16,502.00				22,475.31
	P-272	4,854.31			5,458.01				10,312.32
	P-308	29,630.42			88,297.03				117,927.45
	P-434	15,633.30							15,633.30
	C-31				6,969.23				6,969.23
	B-210	1,000.33					\$ 29,003.42		30,003.75
	B-207	18,471.65							18,471.65
	B-202	17,389.91							17,389.91
	FAB-203	1,259.50							1,259.50
Total		\$ 438,926.92		\$ 244,940.03	\$ 1,744,488.88		\$ 29,003.42	\$ 21,461.85	\$ 2,478,219.00
Crawford	222	\$ 68,997.15	\$ 13,236.38						\$ 82,233.53
	287							\$ 11,473.77	\$ 93,707.30
	P-3	103,624.61							103,624.61
	P-181	9,782.50							9,782.50
	P-288	101,707.80							101,707.80
	P-289	109,975.94							109,975.94
	P-305	2,328.28							2,328.28
Total		\$ 496,416.28	\$ 13,236.38					\$ 11,473.77	\$ 521,136.71
Dallas	12	\$ 55,234.94	\$ 1,321.09						\$ 56,556.03
	P-33	99,595.00		85,438.50					185,033.50
	P-73	1,005.45							1,005.45
	P-106	34,051.18		22,609.49					56,660.67
	P-194	8,599.50		16,372.91					24,972.41
	P-205	2,241.06		69,309.09					71,550.15
	P-196	4,788.46		74,495.04					79,283.50
	P-250	4,742.28		49,892.87					54,635.15
	B-330	1,613.07		14,787.65					16,400.72
Total		\$ 202,314.51	\$ 1,321.09	\$ 224,708.00				\$ 40,881.95	\$ 479,133.55
Davis	60	\$ 105,002.92					\$ 3,463.45		\$ 108,466.37
	153	88,234.80		544.40					88,779.20
	158	121,807.75							121,807.75
	300	18,462.81		39,683.00					58,145.81
	B-116	23,015.44					22,114.90		45,130.34
	B-131	28,843.51							28,843.51
	B-216	51,543.63		41,417.75					92,961.38
Total		\$ 427,506.88		\$ 81,645.15			\$ 26,578.41		\$ 535,730.48
Decatur	8	\$ 145,801.49							\$ 145,801.49
	122	113,379.69							259,181.18
	P-313	58,563.42							116,846.84
	P-319	14,682.99							29,365.98
	P-365	7,326.24							14,652.48
	P-445	3,721.10							7,442.20
	B-24	17,873.28							35,746.56
	P-25	35,959.30							71,918.60
	B-144	15,321.67							30,643.34
	B-145	19,104.31							38,208.62
	B-284	1,934.13							3,868.26
Total		\$ 482,506.38							\$ 965,012.76

*Minus quantity.

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Delaware	4	\$ 68,170.07	\$ 1,841.69						\$ 70,011.76
	103	108,289.34	8,244.50						116,533.84
	P-159	39,782.14							39,782.14
	P-236	94,777.05	89,216.68						183,993.73
	P-328	4,641.30	2,809.52						6,550.82
	C-8	16,854.92					\$ 59,942.80		75,887.72
	C-26	7,000.00	11,600.00				41,300.68		59,900.68
B-136	57,897.00	11,707.05						69,604.05	
Total		\$ 888,811.82	\$ 125,419.44				\$ 100,434.48		\$ 1,014,665.74
Des Moines	32	\$ 130,576.78	\$ 101,456.57	\$ 23,231.56					\$ 255,264.91
	282	3,055.22			\$ 25,007.88			\$ 33,663.80	61,716.99
	P-35	100,816.01		11,459.38					118,225.29
	P-273	272.14	33,213.06	4,272.39			\$ 14,429.70		49,641.32
	C-13	1,566.88	16,043.82				69,463.05		78,463.65
	C-18	1,047.25	15,962.75				56,510.43		72,510.43
	T-600	976.36			1,489.71				2,466.07
	B-347	4,276.50						4,113.46	8,390.96
Total		\$ 247,433.26	\$ 164,664.94	\$ 38,913.30	\$ 27,497.59		\$ 130,460.78	\$ 37,777.35	\$ 616,649.12
Dickinson	68	\$ 204,083.93		\$ 25,125.00					\$ 229,208.93
	P-23	33,173.74							33,173.74
	P-55	6,943.29							6,943.29
	P-368	14,590.59							14,590.59
	S-50	5,023.85		1,074.00					6,097.85
	S-51	4,398.42		1,459.14					5,857.56
	S-52	4,838.06		1,612.71					6,450.77
	S-53	3,976.72		1,325.57					5,302.29
	S-108	335.95		118.64					454.59
	S-109	3,081.76		1,027.25					4,109.01
	B-276	1,546.08							1,546.08
	B-338	150.00							150.00
Total		\$ 282,162.07		\$ 32,349.91					\$ 314,512.98

*Minus quantity.

Dubuque	17	\$ 203,313.43	\$ 7,571.06					\$ 31,928.01	\$ 242,812.50
	149	29,982.83	150,307.00		\$ 105,326.40				276,776.23
	P-147	16,033.84							16,033.84
	B-127	17,430.04	25,091.13						42,521.17
	B-178	29,231.45	14,370.20						43,601.65
Total		\$ 287,031.59	\$ 197,269.39		\$ 105,326.40			\$ 31,928.01	\$ 621,786.39
Emmet	49	\$ 14,432.12							\$ 14,432.12
	P-57	85,847.40							85,847.40
	P-301	7,569.00							7,569.00
	P-361	20,894.93							20,894.93
	S-2	27,018.35		\$ 3,949.36					30,967.71
	S-3	20,007.62		728.49					20,736.11
	S-4	14,809.79		2,068.70					16,878.49
	S-5	16,617.78		1,190.73					17,808.51
	S-6	4,667.30		447.49					5,114.79
	S-7	21,402.77		89.51					21,492.28
	S-23	8,462.78							8,462.78
	S-24	7,492.82							7,492.82
	S-25	17,506.91							17,506.91
	S-28	10,790.33							10,790.33
	S-97	1,683.18		791.58		\$ 791.59			3,166.35
S-98	1,192.09		596.00		596.05			2,384.20	
B-217	24,718.88							24,718.88	
B-274	5,381.35							5,381.35	
Total		\$ 316,195.49		\$ 8,879.92		\$ 1,387.64			\$ 326,463.06
Fayette	59	\$ 278,403.96	\$ 28,550.50						\$ 306,954.46
	164	6,831.75	76,320.64						83,152.39
	172	56,484.47	31,324.21				\$ 11,218.84		99,027.52
	P-143	22,379.78	22,067.31						44,447.09
	P-144	16,019.73	3,087.49						19,107.22
	P-145	6,735.77	732.24						7,468.01
	P-241		8,295.65						8,295.65
	P-373		29,736.17						29,736.17
	P-383	11,073.32	231.07						11,304.39
	P-189	11,782.00	15,430.00						27,212.00
Total		\$ 410,311.06	\$ 233,515.34				\$ 11,218.84		\$ 655,045.24
Floyd	41	\$ 236,879.81		\$ 70,460.50	\$ 356,967.54				\$ 664,307.85
	157	31,659.82		7,796.69	73,663.17				113,919.68
	273	9,247.24							9,247.24
	279	11,004.85							11,004.85
	P-62	2,807.16		27,610.06	236,327.10		\$ 10,488.42		306,744.32
P-73				5,156.89				5,156.89	

SCHEDULE NO. 35—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Floyd—Continued:	P-266	\$2,380.58							\$2,380.58
	P-267	3,552.87							3,552.87
	P-270	2,384.91							2,384.91
	FAB-279							12,342.91	12,342.91
Total	\$ 271,670.77		\$ 105,860.25		\$ 671,515.00			\$ 22,831.33	\$ 1,171,883.35
Franklin	105	\$5,693.17							\$5,693.17
	171	122,521.15							122,521.15
	213	42,902.41							42,902.41
	P-46	62,770.24							62,770.24
	P-88	1,394.16							1,394.16
	P-107	25,022.01							25,022.01
	P-108	6,843.30							6,843.30
	P-114	3,635.32							3,635.32
	S-16	62,669.23							62,669.23
	S-18	10,850.04							10,850.04
	S-112	3,112.00							3,112.00
	P-25	31,941.02							31,941.02
	FAB-212	24,797.45							24,797.45
P-251	131.25							131.25	
Total	\$ 513,684.35								\$ 513,684.35
Fremont	77	\$38,848.23	\$ 1,824.68						\$40,672.91
	P-84	15,207.91							15,207.91
	P-130	5,025.21							5,025.21
	B-6	9,459.02	110,147.41						119,606.43
	FAB-235	13,620.30	6,067.76						19,688.06
	P-267	5,245.00							5,245.00
	Total	\$ 77,880.83	\$ 115,674.25						
Greene	30	\$19,286.90	\$ 264.90						\$19,551.80
	100	70,600.18	71,728.41						142,328.59
Total		\$ 277,869.83	\$ 364.90	\$ 27,063.02					\$ 305,297.75

Grundy	200	\$6,400.74							\$6,400.74	
	P-119	5,119.67							5,119.67	
	P-113	10,314.96							10,314.96	
	P-279		3,116.50						3,116.50	
	P-284	54,224.14							54,224.14	
	P-285	420.20							420.20	
	P-287	5,000.44	500.17	8,417.30					13,917.91	
	P-300	2,814.69	1,420.20	6,244.90					10,480.79	
	B-213	6,061.00							6,061.00	
	P-249	4,648.04							4,648.04	
	P-314	19,970.56							19,970.56	
	B-314	7,159.43							7,159.43	
	P-307	100.17							100.17	
Total	\$ 335,300.25	\$ 119,365.48	\$ 125,944.13	\$ 787,715.00					\$ 1,368,324.86	
Guthrie	19	\$75,256.80							\$75,256.80	
	206	19,272.27	19,121.11	2.30					38,396.48	
	P-123	23,488.27	15,439.13						38,927.40	
	P-103	7,708.60	21,000.60						28,709.20	
	P-207	12,562.23	2,428.25						14,990.48	
	P-231		430.70						430.70	
	P-315		20,892.67						20,892.67	
	P-417		41,522.51						41,522.51	
	P-22	1,120.00							1,120.00	
	B-173	144.00	17,845.61						17,989.61	
	FAB-266	72.80	12,340.82						12,413.62	
	Total	\$ 217,069.27	\$ 275,027.07							\$ 492,096.34
	Guthrie	13	\$128,612.25	\$ 5,468.62						\$134,080.87
142		19,041.29	105,617.54						124,658.83	
179		4,028.02	107,617.17						111,645.19	
P-463			27,000.00						27,000.00	
B-75		17,770.48	79,088.75						96,859.23	
Total	\$ 249,880.15	\$ 285,185.45							\$ 535,065.60	

*Minus quantity.

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Hamilton	67	\$ 76,330.53	\$ 22,264.74						
	P-17	32,922.24							\$ 98,585.27
	P-79	65,271.16	107,274.54						33,991.34
	P-206	69.44	33,500.00						163,545.70
	P-217	9.63	57,885.94						33,569.44
	P-218	9.63	42,274.33						57,305.62
	P-254	6,830.80	5,165.90						42,284.01
	P-244		9,177.44						11,997.70
	B-9	4,845.04	4,168.62						9,177.44
	B-41	20,070.63	28,964.46						9,013.66
	B-103		2,744.00						49,035.09
	B-104		4,667.91						2,744.00
	B-117	2,198.14	5,136.31						4,667.91
B-187	2,102.77	348.37						8,334.45	
Total		\$ 302,719.11	\$ 323,673.56						\$ 526,392.67
Hancock	94	\$ 292,822.92		\$ 103,731.07	\$ 631,782.97				
	139	110,472.87			10,029.77	\$ 300.00			\$ 928,237.96
	195	56,491.86							120,003.64
	P-178	15,746.39		2,410.33					56,491.86
	P-350	36,232.30			2,410.33				29,167.05
	P-381	13,509.18							38,252.30
	S-18	47,086.23							13,560.18
	S-44	16,474.22							47,086.23
	S-45	8,021.26							16,474.22
	Total		\$ 508,029.23		\$ 106,141.40	\$ 634,214.07	\$ 300.00			$ 1,249,484.70
Hardin	P-4	\$ 46,104.45	\$ 6,406.28						
	P-98	171,512.59	168,589.06						\$ 52,600.73
	P-212	386.18	11,481.66						340,102.65
	P-251	4,291.22	13,536.05						11,867.84
	C-1	20,300.00							17,827.27
	C-27		15,200.00					\$ 35,319.06	55,619.66
Total		\$ 242,694.44	\$ 215,303.95				\$ 40,030.21		\$ 64,220.21
						\$ 84,320.87			\$ 542,238.26
Harrison	14	\$ 153,372.90							\$ 153,372.90
	138	37,561.77							66,967.26
	214	90,318.83							90,318.83
	228	74,968.40							74,968.40
	267							1,003.50	1,003.50
	P-84	52,743.52							52,743.52
	P-423	14,697.16		2,410.81					17,107.97
	C-3	15,400.54					\$ 17,986.96		33,447.49
	B-88	114,779.78							114,779.78
	FAB-138	88,973.87							88,973.87
	FAB-225	78,426.67							78,426.67
	B-312	5,873.41							5,873.41
	Total		\$ 727,570.94		\$ 2,410.81		\$ 17,986.96	\$ 29,128.60		$ 777,007.69
Henry	56	\$ 97,809.66							\$ 97,809.66
	151	135,326.84	\$ 7,209.90						142,536.74
	219	17,322.02	42,937.11						16,702.94
	P-406	3,577.08	377.98						3,655.06
	B-50	15,500.73							15,800.73
	FAB-151	86,019.91	63.18						86,083.09
	B-313	54,870.67	6,204.50						61,075.26
	B-329	3,429.00							3,429.00
Total		\$ 414,175.91	\$ 56,792.76				\$ 16,702.94		\$ 487,671.61
Howard	31	\$ 104,855.88	\$ 755.28						\$ 105,611.16
	93	83,417.06	25,021.97						100,339.03
	190	16,538.41	58,061.51						86,377.38
	P-102	1,274.53							1,274.53
	P-105	44,032.39	66,879.49						113,825.25
	P-123	3,904.46	3,306.10						7,210.56
	FAB-31	11,175.86	16.00						11,191.86
	B-82	9,502.26							9,502.26
	B-294	4,505.30							4,505.30
	B-306		2,716.09						2,716.09
	FAB-326	3,202.69							3,202.69
	Total		\$ 282,519.05	\$ 166,656.44				\$ 15,003.33		$ 454,778.82
Humboldt	48	\$ 105,148.63	\$ 81.54						\$ 105,230.47
	117	83,483.85	87,574.92						169,058.77
	S-21	25,447.00							25,447.00
	S-49	10,267.00							10,267.00
	S-80	7,335.90							7,335.90
	S-81	2,066.40							2,066.40
	B-109	829.17	3,015.31						3,844.48
Total		\$ 232,568.95	\$ 90,672.07						\$ 323,241.02

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Ida	90	\$ 676.58		\$ 2,412.24					
	90	115,982.55	\$ 3,130.32						\$ 3,088.82
	248	9,281.85	9,255.91						119,121.87
	286								18,537.76
	P-101	35,796.40	35,232.46						10,206.00
	P-203	22,038.38	15,899.92						72,019.36
	P-213	34,069.77	23,746.98						38,975.30
	P-274		26,672.60						47,846.75
	P-304		1,338.25						26,672.60
	P-379	27,410.94							1,338.25
	P-457								27,410.94
	B-44	28,110.56	796.00					\$ 31.61	28,907.16
	B-92	17,146.05	4,023.84						21,169.89
	B-106	25,820.24	11,314.27						37,134.51
	FAB-226		3,944.64						3,944.64
	B-249								11,552.91
Total		\$ 307,303.22	\$ 146,997.79	\$ 2,412.24				\$ 11,584.52	\$ 467,907.77
Iowa	90	\$ 255,506.80							\$ 255,506.80
	194	34,741.02	\$ 2,240.70						36,981.72
	244	6,388.97	19.50						22,212.22
	P-130	3,573.52						\$ 15,808.75	16,382.27
	B-19	80,793.66							3,573.52
	FAB-104	44,069.27							80,793.66
	B-196	3,802.57							44,069.27
	FAB-244	49,880.10	13,738.22						5,822.57
	B-302	7,802.32							68,618.82
Total		\$ 486,768.23	\$ 15,008.42					\$ 15,808.75	\$ 518,570.40
Jackson	21	\$ 128,060.52							\$ 128,060.52
	143	44,613.69	\$ 23,278.44						145,673.00
	B-3	131,797.62	52,709.77					\$ 17,582.48	67,802.10
	B-57	91,978.57							184,507.39
	B-59	35,836.12							91,978.57
	B-70	43,196.47	22,351.88						35,836.12
		40,566.82							63,543.38
									40,566.82

	FAB-143	\$ 34,486.96	\$ 3,739.29						\$ 38,226.25
Total		\$ 530,606.75	\$ 102,079.38					\$ 17,582.48	\$ 670,268.61
Jasper	64	\$ 51,612.42	\$ 119,065.25	\$ 248,186.49				\$ 22,928.20	\$ 411,792.36
	P-77	105,358.08	29,727.94						136,086.02
	P-99	9,848.55	7,110.94						16,959.49
	P-130	16,803.94	116,008.76						133,812.70
	B-29	20,532.87							20,532.87
	B-34	56,150.79	16,837.26						72,988.05
	FAB-61							\$ 34,227.14	34,227.14
	B-150	39,080.00	12,312.40						42,502.00
	B-168	17,010.20	42,616.94						60,527.14
Total		\$ 308,922.00	\$ 346,778.79	\$ 248,186.49				\$ 67,155.34	\$ 901,042.67
Jefferson	9	\$ 105,930.25		\$ 146,837.04				\$ 845.51	\$ 253,612.40
	130	33,121.88	4,732.43						42,854.36
	P-220	87,307.66	55,124.53						142,992.19
	FAB-3	3,971.00							3,971.69
	B-45	10,649.35							10,649.35
	B-107	43,126.65	20,178.52						63,305.18
	B-357	811.33							811.35
	B-359							9.66	9.66
Total		\$ 290,479.44	\$ 80,055.53	\$ 146,837.04				\$ 854.56	\$ 518,226.57
Johnson	9	\$ 55,461.97		\$ 7,483.50		\$ 59,366.77			\$ 122,312.24
	128	115,192.90		14,276.33					129,469.23
	289	1,972.88							231,075.41
	P-85	73,105.12	\$ 1,351.64						74,456.76
	P-97	17,285.13							17,285.12
	P-307	98,367.40	40,601.42						139,059.02
	P-260	7,759.27							7,759.27
	P-310	18,152.08	7,999.94						26,122.02
	P-311	32,019.13	3,218.42		775.67				36,013.22
	O-4	12,564.82						\$ 35,767.95	48,332.77
	V-1A	13,219.19						23,756.57	35,976.06
	C-34		15,000.00					15,006.57	30,006.57
	B-289				675.00				675.00
	B-316	12,290.55	1,781.59						14,072.23
Total		\$ 457,300.73	\$ 70,613.00	\$ 21,759.83	\$ 204,743.67	\$ 59,366.77	\$ 73,551.69	\$ 26,400.53	\$ 913,265.27
Jones	80	\$ 201,388.70							\$ 201,770.90
	163	156,079.29							158,069.29
	234	50,418.94							50,418.94
	P-281	12,031.77							12,031.77

SCHEDULE NO. 33—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Linn—Continued:	B-311				19,583.88				19,583.88
	FAB-341				9,847.06				9,847.06
Total		\$ 335,245.78	\$ 181,244.78	\$ 97,924.27	\$ 994,576.94	\$ 20,000.00		\$ 73,139.30	\$ 1,702,131.07
Louisa	53	153,838.16							153,838.16
	290	2,378.57							2,378.57
	P- 75	46,000.13							46,000.13
	P-179	53,375.45							53,375.45
	B- 4	65,974.94							65,974.94
	B-111	11,520.79							11,520.79
	B-112	17,972.02							17,972.02
Total		\$ 351,120.06							\$ 351,120.06
Lucas	63	153,880.83	71,097.06					25,530.26	251,508.25
	223	71,001.13	2,341.37					4,018.87	77,961.37
	952	4,982.08	2,934.88						7,916.96
	O- 24		4,803.91				6,783.65		11,642.56
	B- 8	32,682.32	18.75						32,701.07
	B- 10	4,805.44	492.00						5,187.44
	FAB- 63							16,248.45	16,248.45
	B-101	2,448.77	12,600.03						15,108.80
	B-206	31,661.00							31,661.00
	FAB-332	9,303.74	8,463.30						18,266.94
Total		\$ 311,466.21	\$ 103,466.20				\$ 6,783.65	\$ 45,797.68	\$ 467,509.74
Lyon	110	121,569.80							121,569.80
	P- 85	56,108.69	110.76						56,309.45
	P-146	32,170.33	16.92						32,187.25
	P-174	39,243.19							39,243.19
	P-229	65,936.37	17,025.88						82,962.25
	P-292	16,716.77	469.20						17,215.97
	P-307	29,046.21	3.50						29,049.71
	P-394	21,558.94							21,558.94
	S- 74	8,517.19							8,517.19
	S- 75	14,798.18							14,798.18

	S- 76	9,159.00							9,159.00
	B- 86	10,515.74	4,484.00						14,999.74
	B- 84	10,570.86							10,570.86
	B-127	22,129.58	2,921.30						25,050.88
	B-179	20,820.82							20,820.82
	B-328	45,597.20							45,597.20
Total		\$ 530,534.52	\$ 25,061.65						\$ 555,596.17
Madison	169	29,754.83	23,847.33						53,602.16
	226	35,341.22							35,341.22
	P- 36	192,973.11	952.00						193,925.20
	P-464	56.88							56.88
	B- 5	79,911.34							79,911.34
	B-180	2,312.06	13,282.76						15,594.82
	FAB-286	12,430.29							12,430.29
	B-273	6,800.55							6,800.55
Total		\$ 339,670.28	\$ 38,082.18						\$ 397,752.46
Mahaska	70	162,972.55	73,965.68		77,212.37			27,591.64	341,882.24
	146	92,965.12	59,542.28	3,781.80	87,804.73			27,666.83	271,658.75
	226				21,652.53			1,076.30	22,728.83
	B- 27	32,751.34	522.00						33,273.34
	FAB- 70	14,527.08	32,445.52						46,972.60
	B-122	24,982.00	4,807.84						29,789.84
	B-129	3,282.39	57,730.73						61,013.12
	B-139	2,015.00							2,015.00
	FAB-146							514.00	514.00
	B-342	4,300.77						1,970.00	6,270.77
Total		\$ 338,205.62	\$ 228,834.03	\$ 3,781.80	\$ 186,469.02			\$ 58,819.43	\$ 816,250.50
Marion	7	45,063.70				29,005.80			74,069.50
	75	104,055.57							104,055.57
	231	48,027.15							48,027.15
	283	82,377.26	15,714.56						98,091.82
	360								
	P-215	92,963.07							92,963.07
	P-220	14,051.62							14,051.62
	B-119	9,506.65							9,506.65
	B-143	5,531.48							5,531.48
	B-153	17,081.58							17,081.58
	B-245	12,444.09							12,444.09
	FAB-253	17,474.34	8,102.62						25,576.96
Total		\$ 478,006.78	\$ 21,907.69			\$ 29,005.80		\$ 17,043.67	\$ 545,023.39

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Road Fund	County Fund	City Fund	Development Fund	Total Expenditure
Marshall	23	\$ 77,186.95	\$ 41,600.50	\$ 30,288.26	\$ 301,891.37				\$ 801,065.27
	P-21	18,855.40	22,275.91	77,140.34	588,022.59				801,065.27
	P-30	26,366.90	24,565.40						47,932.30
	P-34	20,822.00	47,601.12						105,716.02
	P-609	23,546.73	860.30						21,796.20
	P-442	2,658.40							23,546.72
	S-47	20,048.02		6,654.49					26,702.51
	S-50	5,790.51		885.04					25,707.43
	S-91	5,790.51							9,026.75
	S-102	17,000.40							5,781.20
	S-103	14,564.07							17,000.40
	S-109	5,574.33							14,041.07
	S-109				50,000.00		\$ 19,230.83		20,000.00
	B-14	20,310.70	18,115.24						38,425.94
	B-159	9,388.27	28,529.11						38,465.94
	B-307	6,800.50							45,164.28
Total		\$ 251,310.33	\$ 204,584.67	\$ 114,969.03	\$ 706,314.15		\$ 19,230.83		\$ 1,482,030.54
Mills	35	\$ 105,921.08	\$ 105,906.65						\$ 211,827.73
	B-11	3,527.32						\$ 14,416.06	17,943.38
	FAB-225	122,393.61						14,682.54	14,682.54
Total		\$ 231,682.22	\$ 105,906.65					\$ 29,098.59	\$ 360,381.46
Mitchell	45	\$ 103,006.28	\$ 30,170.88						\$ 133,177.16
	259	471.89	24.00						17,457.40
	P-107	22,149.70	150,106.71						888.70
	P-444	4,005.55	3.50						4,072.05
Total		\$ 129,437.37	\$ 180,394.14					\$ 297.39	\$ 379,909.40
Monona	184	\$ 96,173.43							\$ 116,431.99
	201	20,163.07							20,163.07
	P-38	286,842.62							286,842.62
Total		\$ 303,179.12							\$ 323,437.68

T-265	400.00								400.00
B-18	172,526.73								172,526.73
B-171	15,941.43								15,941.43
FAB-184									76.23
FAB-212	156.10								156.10
B-317	34,179.46								34,179.46
Total	\$ 621,164.73							\$ 22,524.50	\$ 643,689.23
Monroe	30	\$ 60,430.10							\$ 60,430.10
240	33,041.73								42,852.32
P-78	107,420.73	\$ 11,682.24						\$ 9,231.50	119,106.97
P-294	38,905.50	675.00							39,580.50
C-16	8,000.00								32,125.22
B-28	32,105.00								40,786.42
B-28	32,105.00								40,786.42
B-303	13,888.47	7,682.62							21,571.09
B-211	1,155.00								1,155.00
FAB-290	16,716.00								16,716.00
B-279	1,706.67								1,706.67
Total	\$ 351,054.19	\$ 20,044.82						\$ 24,135.22	\$ 401,445.77
Montgomery	16	\$ 120,320.65	\$ 49,287.68						\$ 239,737.72
227	42,903.00								42,903.00
228	15,300.30								15,300.30
B-142									22,145.50
B-155									13,900.30
FAB-223			10,828.27						10,828.27
Total	\$ 207,063.30	\$ 90,225.95						43,700.05	\$ 351,009.30
Muscatine	40	\$ 120,005.20	\$ 819.50						\$ 120,824.70
87	53,150.45	61,029.40							132,209.19
P-295	35,289.24	5,287.65							66,007.19
P-309	691.74	5,154.63							10,828.27
T-600		12.00							12.00
B-49	31,601.65	11,292.37							42,894.02
B-300	5,994.76	38,100.68							44,095.44
Total	\$ 258,588.21	\$ 149,225.77						\$ 15,631.25	\$ 423,445.23
O'Brien	43	\$ 153,314.54	\$ 865,171.28						\$ 1,018,485.82
247	14,908.53								14,908.53
P-40	55,308.59								55,308.59
P-40	44,911.31								44,911.31
P-284	12,556.51								12,556.51
Total	\$ 280,999.48	\$ 865,171.28						\$ 7,561.02	\$ 1,153,731.78

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
O'Brien—Continued:	P-418	17,466.47							17,466.47
	P-432	24,467.72							24,467.72
	B-197	24,386.06							24,386.06
	B-198	13,805.23							13,805.23
	FAB-247	4,922.28							4,922.28
Total		\$ 369,465.46		\$ 129,171.17	\$ 892,171.28		\$ 8,431.20	\$ 1,366,239.11	
Osceola	P-115	104,035.06							104,035.06
	P-100	16,833.40							16,833.40
	P-177	43,836.51							43,836.51
	P-301	2,000.21							2,000.21
	P-302	35,417.78							35,417.78
	P-296	10,238.23							10,238.23
	P-355	27,730.48							27,730.48
	S-59	51,843.58							51,843.58
	S-17	9,063.89							9,063.89
	S-292	30,343.83							30,343.83
	S-433	1,579.54							1,579.54
	S-700	21,558.17							21,558.17
	S-555	2,804.08							2,804.08
	B-57	10,182.75							10,182.75
B-219	3,728.60							3,728.60	
B-300	5,459.94							5,459.94	
Total		\$ 377,302.05						\$ 377,302.05	
Page	137	45,178.99	\$ 60,518.00						105,697.99
	178	36,821.83	56,447.07						93,268.90
	P-27	233,047.03	19,033.39						252,080.42
	B-250	54,617.40	12,645.23						67,262.63
	B-251	6,336.37	12,039.43						18,375.80
	B-273		21,078.56						21,078.56
Total		\$ 366,822.32	\$ 182,162.78					\$ 548,985.30	
Palo Alto	109	297,372.61	\$ 180,467.39	\$ 54,606.28					532,446.28
	P-219	1,043.71	45,315.15						46,358.86
	P-340	1,800.00	14,974.90						16,774.90

Plymouth	P-336	3,441.54	10,856.21						14,297.75
	P-410		19,000.00						19,000.00
	P-433	2,294.19	2,742.38						5,036.57
	F-461	466.33							466.33
	General	1,100.00							1,100.00
B-355	8.30							8.30	
Total		\$ 322,456.73	\$ 273,555.09	\$ 54,606.28				\$ 650,618.30	
Pocahontas	38	130,905.66	\$ 63,942.11	\$ 32,000.00			\$ 163,804.00		\$ 390,741.79
	181	49,105.19	22,227.29						71,332.48
	192	97,909.98	35,835.50						133,745.43
	273	481.62	22,318.03	21,000.00					42,799.65
	375	1,018.21	9,738.81				111,592.12		122,349.14
	P-59	66,985.91	4,454.28						71,440.19
	P-74	46,285.13	1,394.40						47,679.53
	P-350	12,753.28	100.00						12,853.28
	P-353	8,412.85	18,878.77						27,291.62
	P-441	61.80							61.80
	B-55	49,300.28							49,300.28
	FAB-38	480.40							480.40
	B-81	42,473.12	\$ 813.73						43,286.85
	B-105	9,525.08							9,525.08
FAB-192	95,071.51	16,455.07						111,526.58	
B-212	34,075.50							34,075.50	
B-262	12,100.82	15,082.62						27,183.44	
FAB-273	10,653.91	7,254.90						17,908.80	
Total		\$ 667,517.70	\$ 218,225.00	\$ 53,000.00			\$ 273,486.14	\$ 1,214,228.74	
Polk	P-7	45,343.10							45,343.10
	P-30	96,386.37	\$ 2,733.20						99,119.57
	P-90	94,088.80	32,163.72						126,252.52
	P-91	62,304.80	13,212.75						75,517.55
	P-329	27,328.67	15,838.32						43,166.99
	S-30	47,919.81							47,919.81
	S-96	17,011.66							17,011.66
	B-215	3,574.40	5,957.50						9,531.90
	B-234	1,413.87	1,433.13						2,847.00
	Total		\$ 300,871.63	\$ 72,368.80					\$ 373,240.43
Polk	80	9,419.97		\$ 48,375.08	\$ 317,341.78				\$ 455,136.83
	104	128,330.50		30,363.04	304,806.28				\$ 463,500.82
	122	2,701.14		51,338.61	367,205.20				\$ 421,245.95
	180			31,080.34	234,602.55				\$ 265,682.89
	157			28,333.94	258,157.00				\$ 286,490.94

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Polk—Continued:	199	\$2,909.88		13,305.98	91,609.10				102,009.29
	206	*185.30		43,039.39	309,000.15				332,014.24
	215	*25.08		24,532.07	244,208.18				278,748.15
	218	*6,003.74		51,111.76	223,605.44				378,713.46
	220	*1,708.96		9,170.02	47,745.12				55,157.38
	P-1	1,806.91		8,533.18	55,176.66				65,516.75
	P-2	10,771.44							10,771.44
	P-40	8,421.58		26,344.84	194,536.53				229,303.95
	P-59	10,313.39			473.00				10,786.16
	P-73	15,422.44			56,215.92				71,638.36
	P-115				26,609.34				26,609.34
	P-122	14,532.25			22.50				14,554.75
	P-214	409.00			34,138.63		\$ 332.87		34,880.50
	P-258	331.53		4,512.98	29,309.00				34,143.50
	P-289				4,319.34				4,319.34
	P-249	10,000.00			3,241.52				13,241.52
	P-372	4,549.28			84.50				4,633.78
	P-418	428.75		12,500.00	90,696.55				103,625.30
	O-21				30,165.84		\$ 47,006.76		77,172.60
	C-23				52,603.74		91,854.57		144,458.31
	C-28	4,556.19					5,616.19		10,172.29
	B-292	2,302.10							2,302.10
	B-303	6,303.82							6,303.82
	B-304	25,086.39							25,086.39
	B-321	8,491.00							8,491.00
B-332	660.50							660.50	
Total		\$ 254,004.10		\$ 407,948.38	\$ 2,973,906.07	\$ 332.87	\$ 144,476.52		\$ 3,780,568.39
Pottawattamie	46	\$ 54,000.37							54,000.37
	207							\$ 1,000.00	1,000.00
	280	*550.00						41,632.70	41,182.70
	P-21	1,286.82	\$ 114,081.34					3,416.15	118,784.21
	P-22	53,228.19	111,576.84						164,805.02
	P-22	63.45	77,007.02						77,070.47
	P-278	846.57	7,636.18						17,572.74

*Minus quantity.

Pawnee	P-400	198.02	25,507.86	\$ 3,505.06					29,211.54
	B-96	75,865.27	68,322.88						134,188.15
	B-96	82,437.44	90,340.58						172,688.02
	B-97	29,761.73	24,832.63						51,564.36
	B-229		4,639.52						4,639.52
Total		\$ 294,406.85	\$ 513,834.68	\$ 3,505.06		\$ 9,094.80	\$ 58,969.80		\$ 879,831.86
Pocahontas	174	\$ 97,426.24							97,426.24
	253						\$ 13,092.54		13,092.54
	P-41	142,109.99	7,216.38						149,326.37
	P-247	59,549.27							59,549.27
	P-365	81,755.39							81,755.39
	P-416	15,676.05	27,902.74						43,578.79
	B-15	59,135.47	9,304.53						68,440.00
	B-124	26,095.11							26,095.11
	B-156	6,201.08	30,000.00						36,201.08
	Total		\$ 480,112.51	\$ 65,183.75				\$ 21,127.67		$ 566,363.93
Ringgold	6	\$ 122,312.39	1,330.00						123,642.39
	123	96,720.34	23,809.91						120,530.25
	141	3,784.61	34,029.36						37,813.97
	142	9,819.53	49,333.41						59,152.94
	P-439	305.09							305.09
	P-462	3,133.29					\$ 33,012.54		34,007.54
	B-47	12,037.33							12,037.33
	B-79	58,832.86							58,832.86
	B-123	18,758.64	12,912.52						31,671.16
	B-124	6,139.19	16,128.06						22,267.25
Total		\$ 332,721.65	\$ 138,330.72				\$ 33,012.54		\$ 504,065.19
Sac	P-10	\$ 36,621.59							36,621.59
	P-11	37,102.91							37,102.91
	P-12	79,690.65							79,690.65
	P-36	5,888.79							5,888.79
	P-106	44,734.66	22,807.51						67,542.17
	P-210	15,480.55	7,328.70						22,809.25
	P-304	21,541.19	9,988.79						31,529.98
	S-19	8,404.66							8,404.66
	S-41	8,805.77							8,805.77
	S-42	9,691.15							9,691.15

SCHEDULE NO. 38—Continued

Country	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Road Fund	County Fund	City Fund	Develop-ment Fund	Total Expended
See-Continued:	S-102	2,704.53		822.13					3,526.66
	S-105	2,173.82		724.00					2,897.82
Total:		\$ 4,878.35	\$ 40,125.00	\$ 1,546.78					\$ 328,834.00
Scott	S-104	10,727.14		19,679.51	132,214.43				188,621.08
	S-106	17,179.45		122,872.12	1,086,884.55				1,327,736.22
	S-114	11,668.01		31,119.77	105,812.33				158,610.11
	S-135	18,126.73		19,327.33	144,834.56				179,088.62
	S-217	300.00		28,279.55	186,782.76				215,362.31
	S-218	30,424.01		22,721.91	249,267.13				302,413.05
	S-243	10,302.50		40,625.22	204,214.17				355,141.89
	P-134	60,470.62		2,890.91	3,800.91				73,292.44
	P-304	69,258.28		8.00	0.890.36				77,147.17
	P-305	23,401.54		4,000.00	32,000.00				59,401.54
	B-18	16,256.45			4,000.00				20,256.45
	B-275	64,415.01							64,415.01
	B-293	1,544.54							1,544.54
	B-303	14,128.10							14,128.10
Total:		\$ 390,267.47	\$ 3,172,817.28	\$ 331,228.16					\$ 3,929,743.91
Shelby	S-107	87,716.45	19,015.02						106,731.47
	C-1	8,576.45	62,561.36						71,137.81
	C-5	55,641.39	14,001.13						69,642.52
	B-209	75,006.46							75,006.46
Total:		\$ 437,878.23	\$ 102,582.76						\$ 540,460.99
Sioux	S-84	111,345.95		14,820.79					126,166.74
	P-20	104,018.22	482.00	13,287.35					218,498.27
	P-67	11,706.65							11,706.65

FINANCIAL STATEMENT

P-55	60,623.79	5,410.50							66,034.29
P-56	55,844.97	2,225.91							58,070.88
P-57	27,005.02	43,292.57							70,297.59
P-59	10,131.58	15,418.48							25,550.06
P-60	10,781.24	30,216.39							40,997.63
P-62	9,683.79	30,216.39							39,900.18
P-63	8,671.27	18,271.23							26,942.50
P-342	113.60	3,845.98							3,959.58
P-391	10,490.67	37,237.39							47,728.06
P-392	2,425.55	1,622.50							4,048.05
B-121	4,615.79	1,622.50							6,238.29
B-121	131.31								131.31
FAB-300									
FAB-381									
Total:	\$ 587,829.75	\$ 140,200.02	\$ 27,268.74						\$ 755,298.51
Story	P-62	101,006.25	55,320.63						156,326.88
	P-123	19,343.24	40,103.67						59,446.91
	P-231	12,087.51	17,704.13						29,791.64
	P-231	2,392.98	6,827.10						9,220.08
	P-232	745.00	6,220.40						6,965.40
	P-233	717.59	5,841.05						6,558.64
	P-439	12,505.04	2,694.64						15,199.68
	C-1		11,027.05						11,027.05
	B-11	17,124.29	12,287.75						29,412.04
	B-133	11,801.72	8,222.01						19,023.73
	B-135	5,039.78	8,222.01						13,261.79
	B-253	3,640.56	30,882.72						34,523.28
Total:	\$ 150,426.06	\$ 278,307.08							\$ 428,733.14
Tama	47	291,266.00	37,640.58						328,906.58
	176	22,080.17	13,227.65						35,307.82
	P-277	14,824.32	2,023.18						16,847.50
	P-320	10,750.54	7,523.29						18,273.83
	B-428	8,751.04	9,374.27						18,125.31
	B-25	39,132.39	35,527.33						74,659.72
	B-25	64,210.62	52,379.22						116,589.84
	B-14	15,015.21	35,209.23						50,224.44
	FAB-257								
Total:	\$ 518,528.45	\$ 181,506.40							\$ 700,034.85

*Minus Quantity.

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Taylor	51	\$ 111,038.00	\$ 5,025.00						\$ 116,063.00
	149	73,860.87	48,645.04						122,505.91
	196	41,187.05	36,685.89						77,872.95
	B-17	15,594.55							15,594.55
	B-125	44,272.10	4,388.28						48,660.38
	FAB-196	36,993.18	39,719.54						76,712.72
	B-213	59,917.88							59,917.88
B-285		1,430.00						1,430.00	
Total		\$ 413,316.80	\$ 126,043.75						\$ 539,360.55
Union	83	\$ 208,022.54	\$ 841.83				\$ 17,330.20		\$ 226,094.57
	P-376	31,983.15	8,351.01				1,306.40		41,540.56
	P-402	6,068.97							6,068.97
	P-440		2,542.04						2,542.04
	B-42	74,606.07							74,606.07
	FAB-38	1,848.60						4,259.49	6,108.09
	B-265	24,820.63							24,820.63
B-295	14,289.08	3,256.72						17,545.80	
Total		\$ 392,320.04	\$ 14,991.60				\$ 23,095.09		\$ 409,306.73
Van Buren	70	\$ 101,728.83							\$ 101,728.83
	165	163,361.09	825.00						164,186.09
	222	13,776.26	9,088.19					\$ 14,559.93	28,334.28
	P-382	40,424.30							40,424.30
	V-682	727.50							727.50
	B-37	13,964.78							13,964.78
	B-75	12,410.80							12,410.80
	B-122	33,724.83							33,724.83
	FAB-222	54,687.56	23,001.23						77,688.79
	Total		\$ 456,985.91	\$ 32,504.42				\$ 14,559.93		$ 504,050.26
Wapello	42	\$ 115,818.04							\$ 115,818.04
	150	33,969.10	80,655.60		\$ 111,437.74				242,002.56
	P-226	2,343.63							2,343.63

	C-3	16,220.71				\$ 68,912.39			75,133.10
	C-23	22,136.70				55,143.32			77,280.02
	C-28	19,181.28				21,098.93			40,280.21
	B-285	3,645.00							3,645.00
	B-115	31,084.82	23,400.76						54,545.58
	B-523	3,994.51							3,994.51
	FAB-246	13,185.29							13,185.29
Total		\$ 264,630.16	\$ 117,085.42		\$ 111,437.74		\$ 135,154.54		\$ 628,307.86
Warren	11	\$ 167,630.88							\$ 167,630.88
	265								
	P-44	133,451.55	11,324.24					\$ 27,192.50	154,802.38
	P-176	17,300.00	30,802.17					30,904.90	80,004.90
	P-223	8,808.44							8,808.44
	P-284	6,381.57							6,381.57
	P-291	3,555.41							3,555.41
	P-321	22,730.72	26,766.22						49,547.04
	B-21	5,314.66							5,314.66
	B-40	21,622.25							21,622.25
	B-93	1,110.30							1,110.30
	B-99	38,811.18							38,811.18
	B-110	2,702.03							2,702.03
	B-120	12,548.35							12,548.35
	B-128	19,488.34	5,988.55						25,476.89
B-242	30,555.88	10,002.70						40,558.58	
FAB-265							1,986.37	1,986.37	
Total		\$ 418,191.16	\$ 74,934.04				\$ 59,783.77		\$ 552,908.97
Washington	71	\$ 83,079.22	1,762.99					\$ 19,809.52	\$ 104,651.73
	167	87,161.00	46,356.70					21,688.54	155,246.24
	182	20,084.30	29,080.37						49,164.67
	P-323	35,211.29	23,683.04						58,894.33
	P-303	6,330.85	17,192.07						23,522.92
	B-39	36,465.64							36,465.64
	B-86	19,338.51	48,909.54						68,248.05
	B-153	16,988.34	49,033.17						66,021.51
	Total		\$ 296,839.25	\$ 217,566.88				\$ 41,498.06		$ 555,904.19
Wayne	91	\$ 148,311.03	\$ 28,371.73						\$ 176,682.76
	150	83,468.74	1,430.50						84,899.24
	P-237	61,712.74					\$ 7,971.70		69,684.44
	P-227	83.87							83.87
	C-32	4,000.00					\$ 7,881.91		11,881.91
	B-13	15,475.85							15,475.85
B-164	41,066.94	130.00						41,216.94	

SCHEDULE NO. 38—Continued

County	Project	Primary Road Fund	Anticipation Certificate Fund	Special Assessment Fund	Bond Fund	County Fund	City Fund	Development Fund	Total Expended
Wayne—Continued:	B-165	32,064.10	100.00						32,164.10
	FAB-237	56,006.73							56,006.73
Total		\$ 444,300.00	\$ 30,058.33				\$ 7,581.91	\$ 7,971.70	\$ 489,871.81
Webster	12	162,065.53							162,065.53
	270	479.00	14,806.39						15,285.39
	979	242.92	12,104.72						12,347.64
	P-23	73,840.30	30,649.05						104,489.35
	P-34	15,749.40	39,909.77						55,659.17
	P-108	1,944.34	15,000.00						16,944.34
	P-111	3,094.27	18,000.00						21,094.27
	P-182		27,647.45						27,647.45
	P-183	34.00	45,059.86						45,093.86
	P-184	341.25	30,445.45						30,786.70
	P-343	3,301.50	5,808.37						9,109.87
	P-389	468.71	15,763.62						16,232.33
	B-207		23,056.51			17,846.42	9,000.00		49,902.93
Total		\$ 309,161.48	\$ 282,500.40			\$ 17,846.42	\$ 9,000.00		\$ 599,508.30
Winnebago	30	70,373.01	65.90			70,438.91			140,877.82
	P-2	107,596.80	751.19						108,347.99
	P-120	19,469.19	93,877.16						113,346.35
	P-207	10,465.49							10,465.49
	B-343	1,513.50							1,513.50
Total		\$ 209,357.99	\$ 94,694.15						\$ 304,052.14
Winneshiek	98	217,940.38	85,519.57					19,755.01	323,214.96
	284	21,301.78	3,237.36						24,539.14
	P-121	94,885.53	49,083.23						143,968.76
	P-177	38,232.39	13,027.38						51,259.77
	C-15		11,675.00			18,784.84			30,459.84
	B-55	48,638.41							48,638.41
	B-73	15,936.13	20.30						15,956.43
	FAB-08							27,032.27	27,032.27
	B-146	29,397.19	14,306.30						43,703.49
	B-163	27,908.35	3,260.96						31,169.31
Total		\$ 495,325.16	\$ 181,151.00			\$ 18,784.84	\$ 46,787.28		\$ 742,048.24
Woodbury	2	239,068.23	171,440.82	1,278,327.33		54,511.13			1,743,347.51
	75	21,480.04	17,908.33	138,855.21					178,243.58
	136	19,277.07	20,135.32	238,042.79					277,455.18
	162	19,277.07		88,175.66					107,452.73
	188	23,830.10	29,646.08	221,821.33					275,297.51
	245	47,215.44							47,215.44
	254	38,306.38							38,306.38
	273							329.63	329.63
	P-45	236,404.57	88,623.46	505,850.58				389.60	830,868.11
	P-187	140.79	3,676.20	23,020.48					27,747.47
	P-367	12,085.83		86.50					12,172.33
	P-457			15,040.39				34.84	15,075.23
	C-12	5,249.61				36,720.50			41,970.11
	FAB-2	45,806.34							45,806.34
	B-240	47,063.49							47,063.49
	FAB-245	28,163.28							28,163.28
	FAB-254	24,949.27							24,949.27
	B-349							5,219.69	5,219.69
Total		\$ 779,873.44	\$ 327,430.41	\$ 2,400,638.46		\$ 54,511.13	\$ 36,720.50	\$ 5,543.50	\$ 3,674,717.02
Worth	134	88,023.71							88,023.71
	298								
	P-32	4,263.00	29,305.57					13,451.72	43,020.29
	P-101	39,874.00							39,874.00
	P-216	72,011.62	114,019.22					7,568.41	193,599.25
	B-98	28,876.76	6,775.32						35,652.08
Total		\$ 224,076.61	\$ 160,108.11					\$ 21,010.13	\$ 405,244.85
Wright	29	174,412.99	3,459.79						177,872.78
	P-19	94,277.33	30,829.63						125,106.96
	P-190	10,114.30	44,873.06						54,987.36
	P-300	6,534.72	76,229.11						82,763.83
	P-341	1,233.86	9,322.76						10,556.62
	P-387	8,104.34	8,573.59						16,677.93
	P-454	1,439.38	97.28						1,536.66
	B-30	26,300.65							26,300.65
	B-90		4,628.39						4,628.39
	B-188		6,680.35						6,680.35
	B-226	1,800.00	225.00						2,025.00
	FAB-367	17,354.13	617.48						17,971.61
	B-330	15.31	19.59						34.90
Total		\$ 311,878.51	\$ 185,631.04						\$ 497,509.55
Grand totals		\$ 37,655,400.05	\$ 11,716,166.53	\$ 2,819,056.92	\$ 18,470,228.21	\$ 32,165.61	\$ 11,239,528.72	\$ 11,828,391.97	\$ 74,241,048.01

SCHEDULE NO. 39

CLASSIFICATION OF EXPENDITURES FOR ROAD AND BRIDGE CONSTRUCTION ON PRIMARY ROAD SYSTEM DECEMBER 1, 1937 TO NOVEMBER 30, 1938

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Adair	173	\$ 113,178.58		\$ 6,742.57	\$ 14,715.94		\$ 9,217.05		\$ 13,181.38	\$ 157,000.42
P-26	132	120,081.72		6,024.46	9,470.47				10,007.51	145,689.30
P-162	227	24,602.22		219.51	3,902.92				2,230.57	31,008.72
B-30								\$ 19,077.90	185.13	19,263.12
B-23								26,494.95	1,000.77	27,495.72
B-64								12,906.86		12,906.86
B-163								7,702.86	16.31	7,719.17
B-221								29,167.27	24.52	29,191.79
B-236								10,120.94		10,120.94
B-243								51,153.11	2,137.19	53,290.30
B-319								2,295.00	28.82	2,323.82
Total		\$ 202,807.02		\$ 13,577.04	\$ 25,094.33		\$ 9,217.05	\$ 159,038.98	\$ 29,405.10	\$ 409,201.02
Adams	36	\$ 165,151.22			\$ 6,621.97				\$ 8,427.39	\$ 170,200.88
152		83,477.78		\$ 5,703.71	11,214.22				5,500.59	105,902.30
227		38,129.27					\$ 6,577.40		3,047.48	47,754.15
B-100								\$ 23,625.33	688.08	24,313.41
B-142								12,830.43	438.71	13,269.14
FAB-227								68,684.51	1,309.00	70,053.51
Total		\$ 276,758.27		\$ 5,703.71	\$ 17,896.19		\$ 6,577.40	\$ 115,180.27	\$ 10,881.85	\$ 441,037.90
Allamakee	161	\$ 124,909.45		\$ 1,968.58			\$ 4,828.00		\$ 9,618.87	\$ 140,600.90
170		147,807.31	\$ 21,071.22	2,907.96			7,811.75		11,214.13	190,872.27
197		23,154.75					570.00		1,954.58	25,079.33
P-29		41,700.60	7,865.28	3,516.70			300.00		3,735.99	57,327.57
P-113		38,405.20		1,840.35					2,000.19	42,914.80
P-109		3,418.86		168.06			500.00		7.53	3,504.45
P-237		15,974.54					200.00			16,174.54
P-305		4,250.85		75.00						4,325.85
C-10		3,809.25		71,926.07	3,785.47					79,520.79
B-08								\$ 7,459.90		7,459.90
B-09								3,050.53		3,050.53
D-141								50,684.48	300.00	50,984.48
B-156								22,329.70		22,329.70
B-161								22,836.23	790.18	23,626.41
B-175								61,843.69	568.41	62,412.10
FAB-197								5,165.00	463.97	5,628.97
B-215								2,141.25	85.94	2,227.19
B-227								1,244.58	12.00	1,256.58
B-282								2,235.00		2,235.00
Total		\$ 403,439.39	\$ 28,696.50	\$ 71,926.07	\$ 14,622.72		\$ 14,259.45	\$ 192,150.46	\$ 34,530.63	\$ 759,856.72
Appanoose	27	\$ 70,406.48		\$ 30,101.27			\$ 3,172.48		\$ 5,879.32	\$ 110,559.55
229		19,844.22					1,817.20		2,080.48	23,746.90
P-76		91,483.75		\$ 3,370.45	6,795.10		3,259.79		6,241.53	111,098.65
P-227		90,475.33	\$ 8,091.00	829.94	4,507.87		12,008.87		7,823.52	106,900.69
P-431									169.60	169.60
C-29				40,025.36	337.50				41,362.86	81,388.16
FAB-27								256.84	6.97	263.81
B-32								60,811.10	1,478.58	62,289.68
B-183								63,603.34	597.32	64,200.66
FAB-239								12,105.42	333.69	12,439.11
Total		\$ 242,432.25	\$ 11,019.13	\$ 70,126.63	\$ 4,229.41	\$ 14,475.45	\$ 23,123.86	\$ 189,777.70	\$ 20,411.13	\$ 528,665.59
Audubon	52	\$ 220,357.29		\$ 4,425.19	\$ 9,092.98		\$ 10,344.55		\$ 11,469.95	\$ 302,289.96
208		60,277.13		458.55			10,103.20		4,207.40	80,156.28
FAB-32									115.94	115.94
B-60								\$ 68,816.11	1,176.29	70,092.40
B-241								29,333.40	1,405.33	30,738.73
B-249								30,709.00	568.23	31,277.23
B-277								62,504.00	3,000.05	65,504.05
Total		\$ 280,634.42		\$ 4,883.74	\$ 9,092.98		\$ 26,497.75	\$ 168,302.51	\$ 22,211.19	\$ 517,282.59
Benton	58	\$ 130,725.87		\$ 407,006.15	\$ 8,693.24	\$ 3,801.17			\$ 18,792.75	\$ 560,025.18
233		28,986.95		323.73			\$ 1,040.50		2,793.22	30,050.41
251		35,588.05					5,000.00		1,273.15	41,861.80
259		3,473.55	\$ 1,602.04						411.88	5,487.47
303		17,305.50					771.45		790.92	18,096.42
278		43,448.29					1,388.13		2,699.66	46,537.50
285		11,492.90					25.00		942.51	12,460.41
P-426							475.00			475.00
C-6		33.10		44,117.01	150.00				3,741.83	48,097.94
FAB-58								\$ 641.67		641.67
FAB-251								20,514.72	1,000.82	21,515.54
FAB-303								3,954.00	305.55	4,259.55
FAB-278								10,508.56	940.23	11,448.79
FAB-285								5,000.00	586.58	5,586.58
B-280								7,071.23	123.00	7,194.23

SCHEDULE NO. 39—Continued

174

IOWA STATE HIGHWAY COMMISSION

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Renton—Cont.										
B-318								4,007.26	578.90	5,186.19
B-322								13,440.05	194.97	13,635.02
Total	\$ 271,144.82	\$ 1,402.04	\$ 451,153.16	\$ 9,157.97	\$ 3,901.17		\$ 8,706.08	\$ 76,478.09	\$ 34,301.40	\$ 856,345.33
Black Hawk --										
25	13,841.90		129,944.57	3,181.24	335.92				4,882.97	181,236.53
62	68,832.75		465,076.28	30,902.75	12,261.61				18,435.02	506,607.51
300	28,009.46		354,028.56	3,422.04	5,735.82		569.50		8,509.98	394,149.88
301	23,774.30		308,253.50	56.98	1,615.28				7,079.47	345,942.99
302	18,000.31		192,679.85	14,888.47	131.25		300.00		5,421.22	219,708.59
P-51	621.06			12,882.45			1,024.00		15,290.37	
P-123				131.25						755.91
P-164	40,308.87			3,455.86					3,949.92	48,714.65
P-232	48,505.97			12,882.45			675.00		2,950.94	64,916.81
P-235	13,821.77	373.27					9,922.00		2,950.94	27,167.98
P-330			1,430.54						48.87	1,479.41
P-302	62,115.59	8,070.59		130.00					3,738.09	74,054.18
P-331				3,513.29	900.48		4,571.02		1,883.38	10,707.17
P-359	35,831.63	22,124.92		8,259.26	983.62		600.00		40,388.00	107,620.43
B-77							110.00		4,032.48	4,142.48
B-125									14,772.90	14,772.90
B-136									21,625.58	21,625.58
B-172									30,843.52	30,843.52
B-303									350.00	350.00
B-367									9,847.00	9,847.00
Total	\$ 390,414.89	\$ 30,568.00	\$ 1,451,952.79	\$ 81,081.50	\$ 25,334.77		\$ 17,721.52	\$ 106,010.64	\$ 63,700.23	\$ 2,186,905.63
Boone										
65	46,806.93	105,731.16		21,803.29					11,480.74	185,822.12
P-30	29,079.10	22,801.97		1,577.74					6,056.77	59,255.58
P-58	49,006.82	68,230.35		25,764.78			700.07		5,217.22	141,805.04
P-61				9,714.29						9,714.29
P-134	16,289.63	37,236.73		7,275.57					4,606.57	65,497.49
B-227									467.10	467.10
Total	\$ 141,202.77	\$ 218,549.37	\$ 64,455.67				\$ 700.07	\$ 4,184.02	\$ 27,827.40	\$ 457,119.30

FINANCIAL STATEMENT

Bremner										
88	37,465.17			11,923.55	2,224.10				4,147.33	55,760.15
P-191	66,855.76			840.48			12,344.00		1,007.00	81,052.24
P-228	2,502.50	835,304.00		8,265.19					6,302.32	850,274.01
P-277	15,370.59								131.34	15,501.93
P-304	30,500.91	855.00		10,744.50			2,250.00		1,942.44	44,352.85
P-377	30.00			4,026.22			4,518.40		1,927.77	10,502.39
P-421		4,199.84		136.00			15.00			4,330.84
P-422		6,215.20							177.59	6,392.79
B-58									807.58	807.58
B-80									11,553.30	11,553.30
B-206									42,572.62	42,572.62
B-226									15,884.31	15,884.31
B-306									1,345.06	1,345.06
B-308									5,985.90	5,985.90
Total	\$ 162,785.53	\$ 86,547.70	\$ 88,730.24	\$ 2,224.10	\$ 18,239.29	\$ 76,442.10	\$ 18,829.20	\$ 16,299.29	\$ 352,822.16	
Buchanan										
5	58,063.92		348,359.57	10,151.93	9,970.34		2,900.00		12,521.05	442,026.81
P-302	10,212.39			600.13					1,507.04	12,319.56
P-305	23,552.76			9,301.88	3,370.60		292.00		2,719.24	36,536.48
P-329	2,422.72	858.54		534.62	246.72					3,062.60
P-329	40.00			7,030.23					401.98	8,472.21
P-300	7,846.77		50,834.88	681.97					1,456.87	60,820.49
B-91									20,865.54	20,865.54
B-136									1,388.50	1,388.50
B-140									901.91	901.91
B-224									6,100.00	6,100.00
FAB-232									15,505.08	15,505.08
Total	\$ 102,178.56	\$ 353.54	\$ 399,194.45	\$ 26,359.76	\$ 13,790.66		\$ 3,102.00	\$ 44,801.03	\$ 18,704.22	\$ 611,664.22
Buena Vista										
37	1,000.00	90,218.33		7,279.13					1,770.25	100,276.71
P-18	12,428.70	60,842.22		27,270.14					4,438.29	104,979.35
P-49	10,304.03	4,004.40		12,232.04					2,812.24	31,588.68
P-90	942.37	13,730.34		6,099.87			1,066.37		909.20	21,738.88
S-1		11,383.05		1,927.00						13,310.05
S-10	14,088.64	30,259.32		4,576.32			27.00			49,941.28
S-11	16,681.90	12,001.16		6,430.71						35,113.80
S-27	16,980.13			608.63						17,588.76
S-28	9,716.06			1,671.40						11,387.46
S-29	11,382.52			5,371.99						16,754.51
S-77	12,856.29									12,856.29
S-78	5,065.32									5,065.32
S-82		2,475.55								2,475.55
S-83		11,741.32								11,741.32
S-84		4,621.59								4,621.59
S-85		4,443.03								4,443.03
S-86		2,256.36								2,256.36

175

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Buena Vista—Cont.										
S-87		578.30								578.30
S-88		2,612.01								2,612.01
S-89		1,851.25								1,851.25
Total	\$ 115,806.10	\$ 254,088.28					\$ 1,692.37		\$ 9,896.05	\$ 665,305.38
Butler										
85*	\$ 65,140.06	\$ 55,501.40			\$ 100.77				\$ 6,031.82	\$ 133,808.40
74	28,264.65	4,835.03							2,137.85	30,501.88
P-107	59,600.80	28,396.72			2,600.02				4,324.58	94,000.05
P-107	62,727.14	17,433.30			592.70				7,751.40	135,000.84
P-300	17,694.38	4,080.80			30,978.50				1,685.25	50,838.93
P-307	50,172.84	12,110.17			2,650.19				5,172.71	60,939.25
P-371	1,843.22	1,843.22			1,426.25				4,289.49	4,289.49
P-417	1,906.61	4,763.30							5,172.71	8,016.64
B-172		246.88							246.88	246.88
B-192									315.49	315.49
B-302									14,097.05	14,097.05
B-309									11,800.00	11,800.00
B-310									14,088.49	14,088.49
FAB-274									29,070.29	29,070.29
Total	\$ 595,264.50	\$ 130,179.31			\$ 5,253.37		\$ 1,408.55	\$ 80,725.82	\$ 90,877.72	\$ 697,306.02
Calhoun										
10	\$ 892.70	\$ 103,020.94							\$ 2,482.38	\$ 110,439.81
6	28,500.40	15,200.34			3,570.14				633.01	30,599.82
P-10	1,836.90	22,121.37			5,000.45				1,494.88	27,396.15
P-10	1,836.90	21,844.04			14,824.52				50,271.03	50,271.03
P-107	4,005.45	5,873.70			10,118.90				1,409.44	20,297.49
P-300	1,631.47	600.42			3,715.90				427.34	13,546.51
S-8	82,653.05				9,668.88				35,048.56	127,370.49
S-8	9,338.51								9,338.51	18,677.02
S-33	25,050.16								20,020.30	45,070.46
S-35		11,025.75							19,284.11	30,310.86
S-35		19,284.11							19,284.11	39,594.97
S-37		4,030.18							4,030.18	8,060.36
S-54	5,801.80								5,801.80	11,603.60
Total	\$ 140,065.50	\$ 215,247.09			\$ 6,522.59		\$ 432.80	\$ 692.00	\$ 11,310.15	\$ 368,165.60
Carroll										
00	\$ 86,838.12	\$ 22,507.09							\$ 3,233.04	\$ 112,582.35
154	119,683.03	7,079.00			1,508.44				16,748.75	144,999.22
P-14	73,021.10	1,759.64			7,079.00				3,508.01	85,387.75
P-141					5,906.88				2,687.79	8,594.67
P-102	25,000.64	2,651.00			32.80				2,687.79	27,766.23
P-308	411.87	2,265.63							2,687.79	2,687.79
P-449									2,687.79	2,687.79
C-19									2,687.79	2,687.79
B-14									2,687.79	2,687.79
B-113									2,687.79	2,687.79
B-128									2,687.79	2,687.79
FAB-154									2,687.79	2,687.79
Total	\$ 303,615.46	\$ 30,013.00			\$ 16,736.96		\$ 2,019.30	\$ 130,137.34	\$ 32,329.19	\$ 682,270.65
Cass										
44	\$ 101,149.61	\$ 30,013.00							\$ 7,959.37	\$ 139,114.17
155	30,200.15	10,488.20			1,421.87				5,918.12	48,098.34
P-150	34,033.08	7,534.64			7,534.64				1,802.64	50,901.10
FAB-44					2,375.87				670.68	3,046.55
B-10									13,233.41	13,233.41
B-101									9,919.00	9,919.00
B-273									7.07	7.07
B-283									10,390.71	10,390.71
B-318									626.70	626.70
Total	\$ 287,300.28	\$ 80,013.00			\$ 17,776.00		\$ 25,823.10	\$ 215,048.87	\$ 17,870.21	\$ 561,700.27
Cedar										
37	\$ 70,850.50								\$ 8,448.01	\$ 79,298.51
513	30,200.15								1,728.71	31,928.86
P-114	148,080.42				723.82				13,901.44	163,705.58
P-310	36,001.75				7,426.86				1,122.41	44,529.02
C-41	667.06				1,250.58				1,122.41	2,040.05
C-41					294.30				511.00	805.30
B-204									294.30	294.30
Total	\$ 287,300.28	\$ 80,013.00			\$ 17,776.00		\$ 25,823.10	\$ 215,048.87	\$ 17,870.21	\$ 561,700.27

*Indicates Earth Wall.

S-55	6,097.05									6,097.05
S-71	10,312.70									10,312.70
S-72	5,017.11									5,017.11
S-80	8,940.28									8,940.28
C-27	72,892.73								2,190.37	75,083.10
B-287									692.00	692.00
Total	\$ 140,065.50	\$ 215,247.09			\$ 6,522.59		\$ 432.80	\$ 692.00	\$ 11,310.15	\$ 368,165.60
Chickasaw										
00	\$ 86,838.12	\$ 22,507.09							\$ 3,233.04	\$ 112,582.35
154	119,683.03	7,079.00			1,508.44				16,748.75	144,999.22
P-14	73,021.10	1,759.64			7,079.00				3,508.01	85,387.75
P-141					5,906.88				2,687.79	8,594.67
P-102	25,000.64	2,651.00			32.80				2,687.79	27,766.23
P-308	411.87	2,265.63							2,687.79	2,687.79
P-449									2,687.79	2,687.79
C-19									2,687.79	2,687.79
B-14									2,687.79	2,687.79
B-113									2,687.79	2,687.79
B-128									2,687.79	2,687.79
FAB-154									2,687.79	2,687.79
Total	\$ 303,615.46	\$ 30,013.00			\$ 16,736.96		\$ 2,019.30	\$ 130,137.34	\$ 32,329.19	\$ 682,270.65
Cedar										
44	\$ 101,149.61	\$ 30,013.00							\$ 7,959.37	\$ 139,114.17
155	30,200.15	10,488.20			1,421.87				5,918.12	48,098.34
P-150	34,033.08	7,534.64			7,534.64				1,802.64	50,901.10
FAB-44					2,375.87				670.68	3,046.55
B-10									13,233.41	13,233.41
B-101									9,919.00	9,919.00
B-273									7.07	7.07
B-283									10,390.71	10,390.71
B-318									626.70	626.70
Total	\$ 287,300.28	\$ 80,013.00			\$ 17,776.00		\$ 25,823.10	\$ 215,048.87	\$ 17,870.21	\$ 561,700.27
Clatsop										
37	\$ 70,850.50								\$ 8,448.01	\$ 79,298.51
513	30,200.15								1,728.71	31,928.86
P-114	148,080.42				723.82				13,901.44	163,705.58
P-310	36,001.75				7,426.86				1,122.41	44,529.02
C-41	667.06				1,250.58				1,122.41	2,040.05
B-204					294.30				511.00	805.30
Total	\$ 287,300.28	\$ 80,013.00			\$ 17,776.00		\$ 25,823.10	\$ 215,048.87	\$ 17,870.21	\$ 561,700.27

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Cedar—Cont.										
B-205								22,980.02	325.00	23,305.11
FAB-213								3,294.79		3,294.79
B-228								24,871.47	302.33	25,173.80
B-229								34,310.15	1,136.87	35,447.02
B-230								21,741.04	1,038.80	22,779.84
B-281								15,739.31	446.34	16,185.65
Total	\$ 275,227.98		\$ 40,000.41	\$ 31,539.58	\$ 13,945.00		\$ 41,147.08	\$ 145,776.80	\$ 28,887.78	\$ 577,491.29
Cerro Gordo										
1	7,476.98		\$ 83,803.64	\$ 6.00					\$ 415.00	\$ 91,701.62
61	26,422.54		242,481.38	4,110.19					4,441.92	277,436.03
115	97,737.87		873,032.00	19,523.65	\$ 2,376.88				16,054.86	1,008,965.32
P-89			771.23							771.23
P-275	49,462.22	\$ 25,089.00		7,529.84					1,702.15	75,407.31
C-22	778.40		15,336.48							16,114.88
Total	\$ 172,838.11	\$ 25,089.00	\$ 1,215,444.79	\$ 30,806.66	\$ 2,376.88				\$ 22,763.93	\$ 1,470,416.39
Cherokee										
116	32,505.80			\$ 1,945.35	\$ 2,509.21					\$ 36,960.36
288	4,141.80						305.00		\$ 2,091.47	\$ 6,540.07
P-98	5,113.16	\$ 36,514.73		3,841.90	1,081.57		1,200.00		469.98	\$ 51,183.34
P-151	96,517.37	372.31		3,371.33	3,098.30		130.00		814.38	\$ 104,807.69
P-214	29,325.85	19,645.96		57.90	4,446.30		4,084.64		5,623.11	\$ 53,529.01
P-249	570.19	13,929.78					9,986.87		3,135.64	\$ 27,522.38
P-292	20,092.17	15,371.09							58.98	\$ 35,522.34
P-295	2,867.43	49,289.43							1,803.31	\$ 54,009.67
P-411							741.25		761.54	\$ 1,502.79
P-415		12,901.91							224.55	\$ 13,126.46
P-457									292.08	\$ 292.08
B-7								\$ 23,074.17		\$ 23,074.17
B-170								13,381.34		\$ 13,381.34
B-182								56,162.14	1,633.41	\$ 57,795.55
B-194								15,400.31		\$ 15,400.31
B-201								33,714.50		\$ 33,714.50
FAB-238								3,711.42	48.80	\$ 3,760.22
B-349								2,411.41	78.93	\$ 2,490.34
Total	\$ 220,132.79	\$ 145,026.11	\$ 1,215,444.79	\$ 8,316.15	\$ 11,135.38		\$ 16,007.70	\$ 157,055.68	\$ 19,036.42	\$ 1,576,801.32
Chickasaw										
35	37,728.94	\$ 39,267.87		\$ 9,512.97	\$ 62.10	\$ 7,416.40			\$ 3,697.31	\$ 97,595.59
76	96,376.97	36,200.39		29,528.53	2,025.99				6,014.83	\$ 169,386.70
169	44,324.63	4,229.64		7,117.32	3,432.66		\$ 2,183.91		2,838.62	\$ 57,926.18
177	32,698.00	29,538.20		17,851.82	371.70				4,246.00	\$ 80,987.80
P-131	20,870.34	2,532.62		3,631.20	611.01				794.30	\$ 27,709.47
FAB-100								\$ 14,100.05	390.93	\$ 14,490.98
B-169								12,222.40	16.10	\$ 12,238.70
B-200								27,083.60	382.74	\$ 27,466.34
B-224								13,122.55	261.01	\$ 13,383.56
Total	\$ 245,029.18	\$ 102,948.10		\$ 57,911.84	\$ 6,523.88	\$ 7,416.40	\$ 2,183.91	\$ 66,550.80	\$ 18,371.43	\$ 507,945.54
Clarke										
33	89,295.21			\$ 1,977.95	\$ 3,792.20		\$ 4,710.00		\$ 5,307.80	\$ 104,603.16
241	10,515.16						11,027.00		1,369.34	\$ 23,481.50
P-31	32,387.63			1,334.69	5,170.10		29,054.68		5,640.20	\$ 97,189.89
P-313	56,896.23			1,622.56	4,526.36		5,274.00		7,199.08	\$ 75,400.06
B-83								\$ 16,879.84	848.48	\$ 17,728.32
B-184								25,518.21	1,134.61	\$ 26,652.82
FAB-341								5,978.00	156.10	\$ 6,134.10
B-338								486.20		\$ 486.20
Total	\$ 208,914.23			\$ 5,752.20	\$ 13,489.15		\$ 20,006.28	\$ 51,202.25	\$ 22,716.60	\$ 354,423.67
Clay										
P-22	7,494.49			\$ 1,702.60			\$ 10,882.90		\$ 747.76	\$ 20,227.75
P-59	86,042.39	\$ 11,954.31		3,493.33	\$ 3,699.01		7,809.75		5,734.38	\$ 117,838.27
P-256	33,295.31	1,516.62		9,440.93	1,343.02		115.00		2,774.65	\$ 48,388.23
P-259	47,344.81	4,313.67		11,901.97	4,875.36		8,388.40		5,643.07	\$ 81,567.88
P-430		1,994.82							33.55	\$ 2,028.37
S-46	12,818.18									\$ 12,818.18
S-94	13,569.27									\$ 13,569.27
B-39								\$ 44,903.06	2,621.12	\$ 47,524.18
B-191								17,321.44	799.91	\$ 18,121.35
B-193								82,622.13	3,086.03	\$ 85,708.16
B-288								1,482.94	35.40	\$ 1,518.34
Total	\$ 191,374.65	\$ 19,779.72		\$ 24,758.83	\$ 9,878.80		\$ 27,547.05	\$ 145,063.47	\$ 20,915.08	\$ 439,918.29
Clayton										
74	241,701.76	\$ 99,268.62		\$ 11,766.54	\$ 6,547.73				\$ 15,679.13	\$ 374,863.78
150	190,744.87	21,731.68		216.81					10,008.27	\$ 212,721.63
165	27,392.56	5,007.06							2,096.74	\$ 34,496.36
P-79	27,689.92							\$ 6,500.00		\$ 34,189.92
P-144	2,285.11							5,215.60		\$ 7,500.71
P-236	8,450.60	1,708.34		1,321.30	576.02		150.00		693.48	\$ 12,699.74
P-346	1,026.30								96.45	\$ 1,122.75
P-383		1,022.97								\$ 1,022.97
P-439		13,658.17							118.45	\$ 13,776.62
C-35	2,475.10		\$ 10,028.71							\$ 12,503.81
B-62								\$ 17,340.62		\$ 17,340.62

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Clayton—Cont.										
B-68								12,808.78		12,808.78
B-85								50,163.29	31.25	50,194.54
B-138										3,160.10
B-166								41,701.01	38.04	41,739.05
FAB-100								5,202.00	951.12	13,734.58
B-167										5,202.00
Total	\$ 501,705.62	\$ 142,089.84	\$ 16,025.71	\$ 13,094.65	\$ 7,124.35		\$ 11,865.69	\$ 143,239.26	\$ 33,242.17	\$ 869,281.30
Clinton										
18	\$ 174,383.77		\$ 708,380.70	\$ 16,249.40	\$ 4,950.98				\$ 20,311.00	\$ 924,272.91
147	18,085.14		435,432.67	432.90	7,015.77				14,830.44	475,799.92
186	20,748.35		196,178.25		237.30				4,565.88	192,149.68
189	10,445.95		82,077.32	2,965.51				4,654.75	7,886.67	94,535.10
204	26,780.09		422,446.18	4.75	2,963.85			11,783.48	463,968.35	712,181.35
205	2,339.19		34,288.04					400.00	1,821.34	37,549.57
292	20,811.81							14,941.05	3,054.59	38,807.45
302	7,781.00							2,214.75	1,587.68	11,583.43
P-125	43,983.25			15,072.33					6,029.68	65,040.28
P-238	966.42		6,576.73						329.82	7,886.67
P-271	20,401.83			173.08					1,000.50	21,576.40
P-272	9,311.00								511.32	10,322.32
P-372	6,954.56			1,945.38			300.00		5,708.56	77,927.45
P-434	5,619.35		8,515.32				4,668.95		709.63	15,633.30
C-31	1,309.33		31,461.67	1,542.40			789.00		1,749.05	36,062.65
B-210									\$ 1,500.20	\$ 1,500.20
B-237									17,136.31	1,285.34
B-293									16,005.83	1,384.08
FAB-302									310.36	1,239.50
Total	\$ 428,504.24		\$ 1,855,366.88	\$ 38,336.37	\$ 15,180.80		\$ 23,978.75	\$ 35,511.70	\$ 81,306.86	\$ 2,478,219.60
Crawford										
322	\$ 39,596.99								\$ 28,755.45	\$ 72,213.43
387	5,346.00								5,861.50	206.27
P-8	90,516.35			\$ 474.60	\$ 5,083.82					11,473.77
P-181	5,918.04	\$ 1,496.10		1,983.96						108,634.61
P-288	43,682.50				6,733.19				364.50	9,762.50
P-290	97,496.42			514.59	8,511.48		10,886.18		5,039.65	161,707.89
P-295	1,423.27	709.11					26,456.56		5,288.97	160,975.34
							30.50		110.40	2,328.28
Total	\$ 282,794.97	\$ 62,305.40		\$ 2,973.05	\$ 20,928.49		\$ 71,679.19	\$ 940,801.52	\$ 25,330.60	\$ 707,603.22
Dallas										
12	\$ 46,554.35			\$ 7,169.19	\$ 702.80		\$ 800.00		\$ 1,319.00	\$ 56,545.43
P-33	129,749.12	\$ 23,237.87		56,643.65	394.80		340.91			185,034.25
P-72	1,005.45									1,005.45
P-109	275.31	54,872.39							1,512.97	56,960.67
P-184		34,761.16							211.25	34,972.41
P-195	28,094.40	22,363.28		10,973.61			25.00		4,044.56	62,510.73
P-196	44,515.24	15,064.91		4,463.24			3,000.00		2,694.19	69,707.58
P-250	26,311.89	14,232.71		11,481.95			65.00		2,138.70	54,245.25
B-330								16,430.72		16,430.72
Total	\$ 274,476.36	\$ 164,472.72		\$ 59,830.64	\$ 1,007.60		\$ 4,239.91	\$ 16,430.72	\$ 16,663.60	\$ 527,112.51
Davis										
50	\$ 95,621.50	\$ 3,278.60		\$ 676.61	\$ 4,664.61				\$ 4,806.05	\$ 108,526.87
153	66,636.67			3,006.80	8,826.55				7,375.80	88,780.20
158	84,775.32			2,876.11	3,408.00		21,714.44		9,033.88	121,807.75
299	65,993.11			210.63			7,735.35		7,321.08	81,390.77
B-116								32,866.34	739.10	33,605.44
B-131								28,273.53	569.98	28,843.51
B-216								88,200.21	4,701.19	92,901.40
Total	\$ 313,026.61	\$ 3,278.60		\$ 6,770.15	\$ 11,290.56		\$ 37,373.17	\$ 130,429.68	\$ 34,616.28	\$ 545,784.44
Decatur										
8	\$ 127,782.80			\$ 605.10	\$ 8,581.64		\$ 4,702.80		\$ 3,727.94	\$ 145,801.49
122	83,390.03			895.04	11,748.80		9,150.75		8,665.07	113,279.69
P-318	31,413.11			1,078.11	6,311.00		16,165.80		3,095.90	58,563.42
P-319	1,821.90			232.82	2,862.10	\$ 1,670.00	2,517.00		4,079.08	14,682.90
P-365	5,762.40			123.62	16.13		1,235.00		187.09	7,239.24
P-445							8,721.10			8,721.10
B-94								17,373.23		17,373.23
B-33								35,158.90	840.30	35,999.20
B-144								15,185.92	145.75	15,331.67
B-145								16,782.32	321.99	19,104.31
B-284								1,918.82	15.31	1,934.13
Total	\$ 250,171.39			\$ 3,427.75	\$ 29,919.67	\$ 1,670.00	\$ 37,492.34	\$ 88,419.39	\$ 21,408.13	\$ 482,568.68

*Indicates baffle wall.

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Delaware										
4	\$ 58,109.68	\$ 224.91	\$ 182.00	\$ 5,816.01	\$ 4,767.56				\$ 21.60	\$ 70,011.70
105	66,176.23	37,891.81		6,744.21	10,655.91				5,065.68	116,533.84
P-159	5,849.56	24,835.11							1,004.47	30,724.14
P-236	133,776.55	23,214.70		13,733.53	8,187.60		\$ 3,935.92		10,175.00	182,043.73
P-338	4,725.18	1,388.64		312.69			435.00			6,860.51
C- 8	2,275.25			69,296.90	4,658.20				3,298.37	75,808.72
C- 26	2,486.30			54,020.92	1,037.80				2,445.00	59,000.68
B-136								\$ 60,604.05		60,604.05
Total	\$ 261,489.15	\$ 78,558.17	\$ 121,209.82	\$ 33,701.75	\$ 23,561.07		\$ 4,380.92	\$ 60,604.05	\$ 22,070.81	\$ 612,633.74
Des Moines										
32	\$ 26,492.58		\$ 202,656.74	\$ 17,188.00					\$ 8,922.30	\$ 255,269.62
282	9,822.66		17,181.01				\$ 29,856.34		4,866.98	61,726.99
P- 53	17,578.02		92,727.83	2,891.37					5,318.17	118,235.39
P-273	4,213.35		49,867.54	2,300.89					2,008.94	49,611.92
C- 13	6,610.19		71,832.49						18.00	78,462.68
C- 18	7,715.20		64,777.23							72,492.43
T-600				2,449.35					25.62	2,474.97
B-347								\$ 8,132.96	250.00	8,382.96
Total	\$ 72,434.00		\$ 400,068.31	\$ 24,745.61			\$ 29,856.34	\$ 8,132.96	\$ 21,419.40	\$ 646,699.12
Dickinson										
68	\$ 17,560.30		\$ 234,186.06	\$ 1,438.38					\$ 6,024.13	\$ 239,208.87
P- 23	10,554.52		4,735.86	9,563.21	\$ 156.38				2,522.00	33,173.74
P- 55	5,438.29			1,565.00			\$ 5,081.68			6,943.29
P-298	6,591.82	4,462.87		323.25			2,490.05		782.00	14,500.80
S- 20		6,038.45								6,038.45
S- 31		5,894.96								5,894.96
S- 32		6,450.77								6,450.77
S- 33		5,392.29								5,392.29
S-108		474.57								474.57
S-109		4,109.01								4,109.01
B-270								\$ 1,427.60	118.48	1,546.08
B-338									150.00	150.00
Total	\$ 40,144.00	\$ 33,962.52	\$ 268,941.92	\$ 12,769.84	\$ 156.38		\$ 8,171.73	\$ 1,427.60	\$ 9,507.63	\$ 314,512.58
Dubuque										
17	\$ 164,419.41	\$ 33,565.28		\$ 26,034.53	\$ 6,322.59				\$ 12,429.78	\$ 242,812.50
148	154,000.74		\$ 82,965.72	\$ 10,384.29	\$ 8,276.47		\$ 3,245.00		17,663.41	276,776.23
P-147				14,833.71					1,789.13	16,622.84
B-137								\$ 47,443.35	77.82	47,521.17
B-178								\$ 47,507.31	114.34	47,621.65
Total	\$ 319,089.65	\$ 33,565.28	\$ 82,965.72	\$ 50,972.63	\$ 14,368.97		\$ 3,245.00	\$ 85,900.99	\$ 31,288.48	\$ 621,786.30
Emmet										
49	\$ 2,052.50	\$ 4,283.51		\$ 7,896.04	\$ 99.20				\$ 109.57	\$ 14,432.12
P- 57	3,910.84	3,389.25		75,483.78					\$ 2,063.53	\$ 85,947.40
P-301	2,849.02	897.70		3,027.88	448.20				56.20	7,509.00
P-361	11,708.27	3,446.71		65.15	2,097.62		318.00		47.35	20,894.08
S- 2	14,288.41	10,708.32		1,009.38	301.62		3,329.93		9.60	30,067.71
S- 3	7,825.86	7,425.92		1,894.71						25,739.11
S- 4	11,469.21	4,800.92		1,478.38						16,616.49
S- 5	2,796.29	1,892.33		516.17						5,114.79
S- 6	11,787.55	7,397.43		2,039.68	301.62				46.60	21,427.28
S- 7	7,591.23	941.25		961.55						8,462.78
S- 24	6,331.37			941.25						7,497.82
S- 25	14,989.96			2,325.95						17,569.91
S- 28	10,790.33									10,790.33
S- 37		3,166.35								3,166.35
S- 38		2,384.39								2,384.39
B-217								\$ 24,063.49	715.39	24,778.88
B-274								5,291.60	179.75	5,471.35
Total	\$ 122,244.80	\$ 62,256.94		\$ 101,438.09	\$ 3,248.26		\$ 3,547.93	\$ 29,205.09	\$ 4,221.19	\$ 326,462.96
Fayette										
39	\$ 162,935.44	\$ 79,290.25		\$ 51,884.27	\$ 6,308.25				\$ 350.00	\$ 300,676.52
164	71,748.53	11,991.88		8,971.77						94,712.23
172	92,978.73			9,339.74					5,059.16	107,368.68
P-143	7,881.96	85,122.54		855.53						94,860.03
P-144	17,692.62								327.60	18,020.22
P-145	5,329.46			855.40					300.00	6,484.86
P-241	3,494.98	2,723.33		983.28	291.29				653.03	7,483.81
P-273	1,295.01	23,094.88							100.00	24,389.89
P-333		11,046.36								11,046.36
B-189								\$ 24,212.00	258.28	24,470.28
Total	\$ 363,736.70	\$ 159,285.04		\$ 72,689.99	\$ 6,799.54		\$ 2,130.63	\$ 24,212.00	\$ 26,210.31	\$ 655,045.21
Floyd										
43	\$ 78,963.19		\$ 592,319.28	\$ 17,953.82	\$ 1,561.99				\$ 12,359.92	\$ 694,259.18
167	25,863.63		65,635.93	1,999.63	365.87				\$ 4,164.14	\$ 92,960.18
271	7,769.70								759.94	8,529.64
279	18,147.46								1,673.21	19,820.67
P- 63	35,569.69		211,796.74	9,813.99	937.68				5,882.68	369,744.32
P- 73				5,156.89						5,156.89
P-285	25,974.60	\$ 10,534.96		6,735.27	3,776.23		1,303.13		2,975.26	42,305.58
P-339	17,394.40	6,891.50		7,537.35	1,007.36		309.00		2,235.77	28,036.87

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Floyd—Cont.										
B-176								\$ 2,209.15	125.76	2,334.91
FAB-279								11,979.74	863.17	12,842.91
Total	\$ 207,636.05	\$ 17,306.43	\$ 829,000.05	\$ 49,118.16	\$ 7,038.50		\$ 13,316.01	\$ 14,238.89	\$ 32,538.36	\$ 1,171,883.35
Franklin										
105	\$ 44,009.19	\$ 17,709.48		\$ 18,067.44	\$ 1,248.05		\$ 9,000.00		\$ 4,008.70	\$ 95,062.47
171	65,039.37	36,342.10		7,385.87	8,917.06				5,290.08	122,874.48
212	25,027.18	7,000.15		4,670.38	2,576.41		1,430.00		1,338.40	42,982.51
P-46	34,332.78	15.59		14,300.21	328.68				2,762.92	52,770.24
P-88	490.93	738.02		66.50						1,294.16
P-100		22,908.08							780.53	23,692.61
P-361				21,709.70					1,021.92	22,731.62
P-354	4,734.84	1,625.38							483.17	6,843.39
P-414		3,616.92							38.40	3,655.32
S-16	22,417.48	32,905.49		6,319.25						62,642.22
S-39	10,859.04									10,859.04
S-40	8,548.94	13,421.44		1,127.22						23,117.60
B-59							\$ 7,814.42		288.65	8,103.07
FAB-212								11,840.05	100.97	11,941.02
B-228								24,157.58	549.87	24,707.45
B-281									111.25	111.25
Total	\$ 217,524.75	\$ 136,946.59		\$ 74,196.73	\$ 13,570.81		\$ 10,439.00	\$ 43,812.05	\$ 17,508.50	\$ 513,984.55
Fremont										
77	\$ 184,907.23			\$ 2,701.86	\$ 3,807.78				\$ 9,256.54	\$ 200,682.41
235	4,823.17						\$ 17,210.87		941.54	22,675.88
P-84	17,000.22								317.09	18,307.91
P-129	4,489.13				536.08					5,025.21
B-1									\$ 116,675.47	119,068.43
B-6									15,447.60	16,630.14
FAB-235									11,491.25	13,630.30
B-297									5,545.00	5,545.00
Total	\$ 212,119.75			\$ 2,701.86	\$ 4,443.86		\$ 17,210.87	\$ 149,159.32	\$ 15,994.62	\$ 401,599.28
Greene										
39	\$ 74,166.82	\$ 25,605.41	\$ 246,339.45	\$ 2,422.09	\$ 2,286.21		\$ 221.50		\$ 10,409.54	\$ 351,801.62
193	76,089.62	28,221.37		26,571.60	1,531.70		2,251.50		7,709.80	142,292.59
303	60,613.58		473,244.67	15,230.70	3,738.88		1,238.50		16,284.07	279,400.84
Total	\$ 190,869.02	\$ 54,826.78	\$ 719,584.12	\$ 18,123.39	\$ 6,556.79		\$ 4,711.50		\$ 24,323.35	\$ 773,499.05
367	7,009.19						509.50		1,780.98	9,419.67
P-24	25,440.82			13,253.75					4,003.97	42,698.55
P-153	11,904.78	4,141.02		1,892.94			422.10		1,064.12	19,914.56
P-282		5,116.50								5,116.50
P-279	2,758.63			1,915.52					1,845.04	6,519.19
P-324	24,789.90	13,030.00		12,458.47			105.90		5,219.81	53,503.14
P-347	2,849.18		53,491.50	68.78	184.80				2,917.05	58,011.31
P-348	3,669.37		39,201.05	1,557.01					2,317.42	46,724.85
P-357		2,798.09		3,044.45					154.39	5,996.44
B-130								\$ 2,680.98	277.61	2,958.59
B-243								6,091.00	39.90	6,091.90
B-246								612.00	35.04	647.04
B-247								6,292.78	469.83	6,762.61
B-254								19,818.29	161.50	19,979.89
B-314								6,939.99	217.50	7,157.43
B-337									199.17	199.17
Total	\$ 289,421.80	\$ 77,633.05	\$ 812,326.67	\$ 77,915.92	\$ 8,081.50		\$ 4,880.49	\$ 42,321.05	\$ 54,927.30	\$ 1,307,510.87
Grundy										
19	\$ 47,942.83			\$ 23,662.22					\$ 4,915.99	\$ 76,521.00
299	15,462.55			1,177.21			\$ 1,732.00		749.35	19,121.11
P-48	64,146.93			16,415.37					4,849.50	85,412.60
P-123	72,471.96			17,280.65			20.70		2,943.72	92,717.04
P-163	290.00	\$ 30,930.25		44.55					513.50	31,708.60
P-242	153.49	64,340.13							837.21	65,329.82
P-267				2,425.25						2,425.25
P-321		429.70								429.70
P-375	350.81	26,638.21							432.65	29,322.67
P-417	10,488.87	30,243.64		109.20					661.10	41,532.81
B-32								\$ 33,073.78	11.00	33,084.78
B-102								1,359.50		1,359.50
B-172								17,529.28	462.35	17,991.63
FAB-366								12,208.02		12,208.02
Total	\$ 211,227.49	\$ 141,922.93		\$ 60,915.90			\$ 1,762.70	\$ 61,230.58	\$ 16,447.28	\$ 466,576.61
Guthrie										
51	\$ 142,135.04			\$ 19,470.46	\$ 14,679.91		\$ 1,750.00		\$ 5,967.16	\$ 184,012.57
143	99,365.33			4,737.28	12,517.84				9,278.04	136,338.66
179	102,829.30	7,064.90		95.00	5,484.14				4,054.37	121,067.71
P-463		563.80							10.60	564.40
B-12								\$ 50,229.09	209.50	50,438.59
B-78								97,074.39	224.81	97,299.20
Total	\$ 344,369.54	\$ 8,508.70		\$ 24,303.04	\$ 27,672.80		\$ 1,750.00	\$ 147,833.47	\$ 20,344.89	\$ 579,812.52

IOWA STATE HIGHWAY COMMISSION

FINANCIAL STATEMENT

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery and Repairs	Right of Way	Bridges	Engineering	Total
Hamilton										
P-67	\$ 65,797.02	\$ 142.00		\$ 18,469.72			\$ 6,451.25		\$ 7,081.98	\$ 98,895.97
P-70	22,499.39	22,499.39		1,523.75					5,831.24	33,901.24
P-206	79,162.45	42,200.05		13,285.58			12,997.88		14,588.96	162,145.70
P-217	23,216.83	23,216.83		100.24					62.39	33,606.44
P-219	27,164.72	13,660.78		5,858.22	\$ 867.31		4,476.15		5,081.45	57,865.62
P-254	22,290.03	8,149.80		3,031.08			5,090.00		2,843.00	33,364.01
P-254	6,727.61	2,700.85		166.06			788.00		107.35	9,177.41
P-316		9,177.44								9,177.44
B-41				2,601.86				\$ 8,812.71	200.56	49,035.09
B-103				1,900.48				46,834.38	2,400.91	49,035.09
B-104				685.77				3,652.75	88.25	2,744.00
B-117				1,000.00				4,611.97	65.94	4,678.91
B-187				685.77				4,699.91	40.94	5,146.62
Total	\$ 201,002.11	\$ 132,872.14		\$ 51,567.35	\$ 867.30		\$ 20,769.82	\$ 73,044.21	\$ 37,460.74	\$ 509,292.67
Hancock										
04	\$ 125,000.00		\$ 727,367.51	\$ 28,682.84	\$ 2,654.40		\$ 487.30	\$ 13,812.15	\$ 1,189.61	\$ 928,367.95
239	65,163.30	22,054.43		11,463.52	\$ 2,654.40		130.00	1,200.00	3,000.00	83,275.25
275	4,085.25			11,463.52	665.03				603.72	16,623.02
P-180	1,598.76		17,382.96						612.72	20,367.05
P-281		27,667.11							685.16	28,352.27
S-18	28,886.73	13,153.47		3,601.86	801.00				400.71	43,443.77
S-44	14,513.74	13,897.64		1,900.48						30,312.26
S-45	7,822.49	685.77		685.77						10,174.03
Total	\$ 213,296.95	\$ 86,682.68	\$ 745,200.44	\$ 69,467.57	\$ 7,340.65		\$ 657.33		\$ 36,463.67	\$ 1,269,434.70
Hardin										
P-4	\$ 18,005.05	\$ 19,314.43		\$ 12,025.79	\$ 1,398.88		\$ 3,186.74		\$ 1,050.45	\$ 52,619.73
P-68	43,173.33	219,825.22		59,001.07	3,678.84				10,900.45	330,172.91
P-202	77,275.21	11,219.32			531.75				317.45	177,887.74
C-1	16,540.84									16,540.84
C-17	1,300.00		34,319.66							35,619.66
C-17	3,867.42		27,657.89							31,525.31
Total	\$ 85,015.89	\$ 250,660.87	\$ 111,977.53	\$ 72,473.89	\$ 5,710.47		\$ 3,095.49		\$ 15,900.10	\$ 467,286.26
Harwood										
14	\$ 98,179.43	\$ 227.87		\$ 2,261.11	\$ 315.63		\$ 45,219.82		\$ 3,909.72	\$ 153,372.50
126	22,499.39			1,900.12			26,272.75		4,306.13	65,967.83
131	13,313.30			1,865.45			19,466.16		2,219.40	30,333.83
132	14,513.74								4,712.70	19,226.44
287	1,003.30								1,003.30	1,003.30
P-34	40,415.05		270.00	4,840.12			5,254.10		1,094.38	52,143.52
P-423	962.25		14,567.92				239.00		267.80	17,107.97
P-423	3,666.02		39,781.81				11,620.02		2,129.28	55,447.49
D-88										14,719.28
FAB-228										2,568.40
FAB-228										2,568.40
B-312										5,752.14
Total	\$ 283,584.16	\$ 227.87	\$ 44,719.79	\$ 6,400.66	\$ 3,381.17		\$ 122,767.42	\$ 275,412.75	\$ 35,009.10	\$ 777,097.60
Henry										
50	\$ 63,005.83			\$ 27,003.29	\$ 1,868.83		\$ 100.10		\$ 5,866.51	\$ 97,800.66
151	194,768.00			6,246.20	1,830.20		10,877.20		12,764.52	242,336.74
P-210	55,573.14						37,687.60		4,281.93	76,922.67
P-408	3,367.83			106.89			475.00		25.44	3,655.06
P-130									5.77	5.77
FAB-130									86,864.09	86,864.09
B-313									1,729.37	1,729.37
B-329										3,429.00
Total	\$ 286,665.20			\$ 34,059.29	\$ 4,214.42		\$ 28,339.30	\$ 164,224.29	\$ 27,781.59	\$ 487,471.61
Howard										
21	\$ 27,623.26			\$ 11,000.03	\$ 615.82		\$ 100.28		\$ 4,565.49	\$ 43,804.88
81	59,327.43	63,997.22		17,986.00	1,916.65		600.01		4,827.32	136,011.15
190	46,033.03	36,653.41		17,395.94					5,771.79	86,337.25
P-102	59,660.00	1,204.64		21,815.02	3,779.20		1,905.70		69.80	1,274.83
P-102	7,010.00	18,865.91							7,088.09	33,825.25
FAB-102									300.00	300.00
B-324									108.45	108.45
B-324									165.20	165.20
B-324									4,965.20	4,965.20
FAB-329									26.44	26.44
Total	\$ 190,914.41	\$ 121,823.01		\$ 67,978.49	\$ 5,611.10		\$ 2,819.20	\$ 39,922.49	\$ 24,009.78	\$ 454,778.82
Humboldt										
48	\$ 22,008.42		\$ 76,330.01						\$ 2,865.72	\$ 109,230.47
117	63,676.43	69,221.85		21,465.21	1,199.03				9,719.15	169,668.77
S-21	3,806.09									36,881.91
S-40										39,387.00
Total	\$ 7,385.90									\$ 7,385.90

*Indicates baffie wall.

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Humboldt—Cont.										
S-81	2,066.40									2,066.40
B-199								3,678.65	3,678.83	7,353.48
Total	\$ 108,968.21	\$ 88,132.44	\$ 76,300.01	\$ 33,546.23	\$ 1,413.25		\$ 3,365.50	\$ 3,678.65	\$ 12,741.70	\$ 229,341.02
Ia										
2										3,088.82
80	92,019.76				3,088.82					119,121.87
248		18,275.31			3,798.22	1,547.56			3,058.83	18,537.76
286	9,846.94								202.45	10,296.00
P-101	65,744.80					1,100.40	1,197.00		359.00	73,019.36
P-203		38,691.89							383.50	38,975.39
P-213									2,333.06	47,846.75
P-274		26,482.00					12,685.15		190.00	39,672.60
P-304		1,336.25								1,336.25
P-379		25,600.23					1,437.61		389.50	27,410.84
P-457									31.61	31.61
B-44								23,308.62	98.54	23,907.16
B-92								20,900.00	368.93	21,609.89
B-106								35,979.03	1,155.48	37,134.51
FAB-286								3,817.80	126.75	3,944.54
B-349								11,430.00	132.91	11,562.91
Total	\$ 201,519.12	\$ 110,288.19	\$ 3,088.82	\$ 3,798.22	\$ 2,737.96		\$ 30,927.36	\$ 100,930.50	\$ 14,661.70	\$ 467,957.77
Iowa										
90	130,888.44	72,654.42		12,887.70	3,308.84		23,422.39		12,946.11	255,596.80
194	30,840.49				2,830.00		2,214.00		1,634.73	36,081.72
244	30,246.41						15.61		1,053.30	29,312.32
P-139							3,541.86		31.66	3,573.52
B-19								78,342.76	2,450.00	80,792.66
FAB-194								43,239.40	809.78	44,099.27
B-106								5,734.62	137.95	5,892.57
FAB244								61,700.74	1,917.58	63,618.32
B-302								7,424.32	377.80	7,802.32
Total	\$ 182,670.34	\$ 72,654.42		\$ 12,887.70	\$ 5,139.34	\$ *842.00	\$ 29,130.76	\$ 194,442.13	\$ 22,333.71	\$ 518,570.40

*Includes baffle wall.

Jackson	21	\$ 166,936.97	\$ 18,566.72		750.51	7,029.01			13,730.79	145,673.03
143		51,944.91			1,156.59		11,554.95		3,735.63	67,891.10
144		167,915.00			2,830.00	4,833.14			5,916.56	184,907.39
B-3									80,725.78	91,675.87
B-57									34,233.87	35,843.33
B-59									64,646.82	65,648.53
B-70									39,863.37	40,686.82
FAB-143									37,392.92	38,236.75
Total		\$ 324,566.48	\$ 18,566.72		\$ 4,727.19	\$ 11,864.15		\$ 11,954.95	\$ 226,882.76	\$ 670,298.61
Jasper	64	\$ 183,195.84		\$ 190,006.04	8,009.21	3,878.57		30,303.45	21,809.45	441,792.86
P-77		82,839.21	31,342.42		5,001.14	5,240.31		900.00	10,373.54	136,086.62
P-99		14,552.21				2,875.38			26.20	16,953.79
P-180			194,515.85						20,546.22	896.85
B-39									6.66	29,332.87
B-84									70,156.88	2,831.17
FAB-84									32,698.03	1,538.51
B-150									42,502.00	42,502.00
B-168									39,558.77	968.37
Total		\$ 289,687.36	\$ 167,868.27	\$ 190,006.04	\$ 13,700.35	\$ 11,494.95		\$ 31,903.43	\$ 225,422.50	\$ 37,950.71
Jefferson	3	\$ 168,641.85		\$ 127,388.58	7,631.60	3,408.91		1,398.00	10,174.46	288,618.40
120		31,271.56			3,736.91	4,732.48			3,123.41	42,814.36
P-229		101,266.56			18,632.04	5,692.56		3,250.11	14,239.92	142,992.19
FAB-3									3,971.69	3,971.69
B-45									10,035.00	10,035.00
B-107									63,289.50	24.68
B-327									811.35	811.35
B-359									9.06	9.06
Total		\$ 289,909.97		\$ 127,388.58	\$ 29,000.55	\$ 13,753.95		\$ 4,619.15	\$ 78,608.54	\$ 27,666.87
Johnson	9	\$ 62,978.92		\$ 57,633.15	69.81			73.25	1,537.11	122,313.21
128		14,947.27		106,880.36	1,912.15				5,729.69	129,499.25
289		11,696.06		211,870.04	36.00				8,118.31	231,675.41
P-35		66,397.36			1,945.78	1,327.84			4,816.60	74,446.76
P-97		15,602.91			309.56	822.15			149.59	17,844.21
P-207		117,959.83			1,904.09	2,544.27	535.23	9,604.95	6,379.78	139,059.62
P-286		839.70		6,922.57						7,762.27
P-310		18,821.78			1,318.42			5,414.84	767.00	26,129.02
P-311		28,428.14			753.13	673.67		4,289.81	1,856.47	36,013.22
C-4		1,792.00		44,239.23					2,391.56	48,332.77
C-11		1,767.27		31,821.74		1,379.59			1,715.15	26,976.68
C-34		1,156.40		28,900.47						30,056.87

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Johnson—Cont.										
FAB-289								\$ 675.00		675.00
B-316								13,943.78	128.45	14,072.23
Total	\$ 341,364.02	\$ 488,277.44	\$ 9,806.09	\$ 5,309.73	\$ 583.33	\$ 19,382.85	\$ 14,618.78	\$ 33,822.93		913,205.37
Jones										
86	\$ 175,550.73	\$ 387.50		\$ 9,128.33	\$ 5,737.29				\$ 10,907.36	\$ 91,770.90
163	106,354.36	11,231.15		14,236.57	10,517.48				19,877.80	158,009.29
224	38,548.33						\$ 4,351.93		3,095.21	50,418.94
P-251		11,853.97					3,775.90		197.80	12,051.77
P-370		30,310.50							702.55	21,012.05
B-38									\$ 43,633.14	44,896.92
B-100									10,946.57	906.55
B-209									57,333.57	10,959.12
FAB-234								11,892.76	2,131.18	50,494.75
Total	\$ 329,453.31	\$ 43,772.82	\$ 23,364.90	\$ 16,234.77		\$ 13,027.43	\$ 122,906.04	\$ 30,778.61		571,157.88
Keokuk										
34	\$ 100,156.52	\$ 28,965.79		\$ 1,200.60	\$ 7,824.20				\$ 5,806.91	\$ 144,124.37
183	29,425.28								2,201.33	33,304.63
191	146,735.11			5,187.49	8,990.63				8,377.15	181,540.17
P-128	39,322.92								12,879.79	52,202.71
P-246	35,637.97									3,917.21
P-452	2,408.40			2,827.92	1,836.80				6,190.45	5,695.16
P-456		3,485.20		11,542.44					1.00	470.92
T-558									2,900.00	3,485.20
C-37			23,541.44							23,541.44
FAB-34										13,851.14
B-147									33.33	13,884.47
B-148									18,087.36	19,115.41
B-149									21,524.90	22,016.30
FAB-183									34,310.60	34,800.70
B-222									22,930.58	21,020.25
B-340									4,657.30	4,652.97
B-344									456.00	455.00
Total	\$ 383,726.20	\$ 32,470.99	\$ 23,541.44	\$ 29,815.51	\$ 18,961.91		\$ 24,055.30	\$ 136,882.60	\$ 29,193.90	698,740.81
Kosuth										
66	\$ 127,810.53	\$ 73,929.30		\$ 45,965.22	774.49		\$ 12,006.00		\$ 10,795.13	\$ 271,590.15
140	7,959.45	27,375.39		25,955.59					2,361.77	63,831.04
P-6	88,426.98	16,532.23		38.25	436.10				4,000.31	219,656.88
P-279	8,728.91		47,039.04	25,572.03	2,428.22		2,542.80		5,487.37	129,980.63
P-285	783.29		5,104.06	160.91	298.33				1,706.59	57,623.45
S-12	40,362.39	16,979.43							33.08	4,189.26
S-12		19,343.85								56,741.73
S-14		16,491.91								19,315.85
S-15	24,035.86	14,104.92								16,491.21
S-30		10,500.71								38,140.78
S-31	29,513.77									10,500.71
S-32	12,408.37									29,513.77
S-63	3,626.60									12,408.37
S-64	6,825.00									12,408.37
S-65	10,881.00									3,600.60
S-66	7,665.40									6,825.00
S-67		22,531.05								10,881.00
S-68		6,753.58								7,645.40
C-7	9,291.68		61,869.28							22,531.05
B-80										6,753.58
B-138										73,121.96
B-256									\$ 3,546.35	90.90
Total	\$ 274,655.91	\$ 223,909.57	\$ 412,781.40	\$ 97,372.00	\$ 3,907.05		\$ 14,638.40	\$ 14,955.19	\$ 25,285.63	1,166,245.14
Lee										
277	\$ 16,102.27						\$ 770.78		\$ 861.04	\$ 17,734.09
P-68	41,109.01	\$ 161,227.24		\$ 23,290.64	\$ 4,371.23				13,201.24	243,199.36
P-149	95,742.57	5,130.36		15,396.68	5,082.45		3,781.48		13,337.33	138,670.87
P-205	17,984.44			137.72	1,515.24		1,000.00		2,914.71	24,142.11
B-2										11,961.23
B-100									11,061.23	1,388.40
FAB-277									29,828.34	31,216.80
B-291									16,211.50	17,896.85
Total	\$ 170,938.29	\$ 165,367.60	\$ 30,025.04	\$ 10,908.92	\$ 6,182.30		\$ 70,083.64		\$ 32,375.02	505,430.77
Linn										
22	\$ 75,555.50		\$ 388,226.00	\$ 20,000.33	\$ 2,735.46				\$ 12,752.44	\$ 499,259.79
96	97,606.80		349,860.02	9,482.70	1,373.53				15,966.90	475,143.32
224	39,514.95	\$ 10,712.12		2,333.60	711.45				4,212.80	58,967.48
225	43,565.91		100,796.66	3,965.05					5,547.30	150,808.30
229	72,445.32			859.10					14,778.92	4,274.37
320	48,943.19	3.56			1,018.92				2,065.85	5,232.89
325	24,400.98								382.50	35,665.09
394	28,654.22								354.90	30,497.94
P-211	8,381.84								210.00	9,067.34
P-227	1,789.47									1,789.47
P-253							4,200.00			4,500.00

SCHEDULE NO. 39—Continued

192 IOWA STATE HIGHWAY COMMISSION

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Linn—Cont.										
P-345	6.00		2,437.75						123.19	2,560.94
P-443	\$2,604.76						2,740.30		2,606.35	\$7,951.35
FAB-220								\$ 57,312.59	1,050.34	58,362.93
FAB-230									801.60	15,189.88
FAB-235									900.57	41,557.40
FAB-234									27,675.00	\$8,430.13
B-301									41,498.07	41,739.17
B-309									8,875.00	9,105.00
B-310									22,543.31	\$2,082.95
B-311									18,906.00	19,533.28
B-341									9,546.08	9,847.06
Total	\$ 473,878.90	\$ 10,716.08	\$ 841,329.49	\$ 36,630.82	\$ 5,838.46		\$ 32,571.37	\$ 241,903.87	\$ 59,851.99	\$ 1,702,131.07
Louisa										
53	\$ 120,298.27	\$ 1,029.98		\$ 20,758.36	\$ 3,392.40				\$ 7,971.15	\$ 153,828.16
299		2,334.68							43.89	2,378.57
P- 75	35,165.57			4,182.55	1,827.06		\$ 2,320.00		2,564.55	\$4,000.13
P-179	44,838.47			2,802.03	1,764.39		\$ 2,050.55		1,849.92	\$3,375.45
B- 4								\$ 65,441.94	535.00	\$6,974.94
B-111								11,189.10	351.69	11,540.79
B-112								17,753.17	218.85	17,972.02
Total	\$ 209,292.81	\$ 3,857.66		\$ 27,798.34	\$ 6,743.54		\$ 4,600.65	\$ 94,364.21	\$ 16,533.05	\$ 351,120.06
Lucas										
63	\$ 218,613.88			\$ 3,177.47	\$ 13,749.54		4,772.70		\$ 19,794.06	\$251,108.25
223	59,601.97				6,433.13		9,027.29		2,899.56	\$79,603.37
232	4,508.63						2,004.87		304.35	7,617.86
O- 24	1,156.05			\$ 9,717.82					768.69	11,612.56
B- 8									18.75	32,701.07
B-10									5,157.44	\$10,314.88
B-11									15,873.13	\$16,218.45
FAB-63									14,792.40	\$16,108.80
B-101									30,788.44	\$1,001.00
B-206									17,829.90	\$18,299.94
FAB-222									437.04	
Total	\$ 283,879.93		\$ 9,717.82	\$ 3,177.47	\$ 20,182.60		\$ 16,494.86	\$ 117,153.63	\$ 16,967.34	\$ 467,803.74
Lyon										
110	\$ 105,026.75			\$ 9,744.00	\$ 2,116.97				\$ 4,070.12	\$121,958.80
P- 85	47,045.59	\$ 581.50		1,791.17	3,455.90		90.00		3,901.23	\$6,809.46

P-146	30,734.19			2,126.78	2,807.42				2,498.80	\$8,167.24
P-174		\$8,547.40							686.79	\$9,234.19
P-229	67,346.76	1,823.69		\$ 9,081.68	4,351.16		2,748.85		4,277.21	\$84,014.45
P-292	17,033.32								139.65	\$17,172.97
P-307	1,537.70	27,447.81							244.20	\$29,049.71
P-388		21,076.64							482.40	\$21,559.04
S- 74	8,517.19									\$ 8,517.19
S- 75	14,798.18									\$14,798.18
S- 76	9,150.90									\$ 9,150.90
B- 09									\$ 13,948.84	\$ 14,107.74
B- 84									10,514.91	\$5,900.80
B-127									24,279.21	\$25,000.97
B-179									20,432.55	\$20,820.82
B-328									44,466.00	\$45,297.20
Total	\$ 301,918.98	\$ 88,889.04		\$ 18,744.50	\$ 12,661.51		\$ 2,841.85	\$ 114,611.81	\$ 18,798.30	\$ 555,396.17
Madison										
169	\$ 37,708.18			\$ 749.64	\$ 2,700.00		\$ 7,132.30		\$ 5,312.14	\$53,602.16
236	14,127.51								2,391.87	\$16,519.38
P- 36	172,190.41			1,782.01	6,386.24		3,000.00		10,566.54	\$188,965.30
P-494										\$ 56.88
B- 5										\$ 79,911.34
B-180									15,442.60	\$15,594.82
FAB-233									1,620.20	\$1,640.29
B-275									6,702.30	\$ 6,900.55
Total	\$ 224,322.10			\$ 2,823.79	\$ 9,686.24		\$ 28,305.90	\$ 113,307.24	\$ 19,757.19	\$ 397,759.60
Mahaska										
70	\$ 163,907.87	\$ 36,815.90	\$ 73,051.92	\$ 25,343.85	\$ 9,745.88		\$ 20,906.20		\$ 22,720.69	\$ 311,582.24
149	118,339.39	14,448.16	95,599.73	9,880.33	7,800.58		11,569.41		13,970.45	\$271,588.75
292	1,420.63		19,806.07						1,592.73	\$21,398.86
B- 37										\$ 33,282.59
FAB- 70									46,621.42	\$49,973.00
B-122									29,063.91	\$29,739.84
B-129									60,175.13	\$61,564.47
B-139									2,015.00	\$ 2,015.00
FAB-146									514.06	\$ 514.06
B-242									6,270.77	\$ 6,270.77
Total	\$ 283,117.29	\$ 40,764.06	\$ 188,457.72	\$ 35,224.18	\$ 17,546.46		\$ 32,475.61	\$ 177,373.48	\$ 41,391.00	\$ 516,259.56
Marion										
7	\$ 73,308.74			\$ 790.82						\$ 74,099.56
75	139,305.06			3,185.99	\$ 1,759.06		\$ 12,156.00		\$ 7,648.84	\$194,655.57
231	31,581.24			677.14	3,168.40		7,714.35		4,675.82	\$43,827.15
232	26,337.46						30,555.47		4,052.70	\$61,991.63
290		\$ 16,165.92							877.75	\$17,043.67
P-315	47,130.06			5,399.39	2,771.19		31,160.30		6,892.32	\$83,354.07
P-320	7,110.58			244.34	309.00		4,029.48		2,008.22	\$14,661.62

FINANCIAL STATEMENT

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Marion—Cont.										
B-119								\$ 9,396.65		\$ 9,396.65
B-142								5,410.82	328.00	5,738.82
B-151								13,083.30	131.30	13,214.60
B-243								12,833.94	168.50	12,992.44
FAB-253								25,068.36		25,068.36
Total	\$ 287,233.45	\$ 16,166.02		\$ 10,607.68	\$ 5,286.16		\$ 90,586.40	\$ 68,066.70	\$ 27,718.88	\$ 540,623.39
Marshall										
S-2	\$ 22,071.08			\$ 897.35	\$ 115.14		\$ 159.00		\$ 8,795.63	\$ 33,038.37
P-13	\$ 82,448.88	\$ 300.00		\$ 309.64	\$ 7,658.26		\$ 2,409.40		17,007.80	\$ 105,433.71
P-240	\$ 46,708.95			\$ 3,791.54	\$ 1,475.76				1,833.05	\$ 47,912.30
P-256	\$ 64,683.51	\$ 31,006.94		\$ 3,821.17	\$ 4,324.59		35.00		2,300.50	\$ 105,706.02
P-409	\$ 9,620.29	\$ 21,316.90					75.00		479.30	\$ 31,742.49
S-42	\$ 347.00	\$ 11,738.83							\$ 27.12	\$ 23,547.72
S-46	\$ 347.00	\$ 96,500.40		\$ 721.56	\$ 793.62				132.00	\$ 98,705.40
S-48										
S-49	\$ 6,031.39	\$ 8,473.39							9,026.75	\$ 23,531.53
S-61	\$ 5,781.39								5,781.39	\$ 11,562.78
S-62	\$ 17,006.40								17,006.40	\$ 34,012.80
S-63	\$ 14,564.07								14,564.07	\$ 29,128.14
S-69										
C-36	\$ 1,184.00									\$ 2,368.00
B-54			\$ 38,946.88					\$ 37,766.00	670.84	\$ 76,783.72
B-159								\$ 27,000.24	1,234.04	\$ 28,234.28
B-307								6,632.58	65.62	\$ 6,698.20
Total	\$ 274,670.69	\$ 97,161.23	\$ 843,490.71	\$ 9,631.46	\$ 14,668.63	\$ 66,975.02	\$ 2,769.49	\$ 91,281.82	\$ 33,865.49	\$ 1,432,689.54
Mills										
B-15	\$ 106,683.48			\$ 123.50	\$ 7,909.06		\$ 2,894.65		\$ 7,451.67	\$ 114,172.73
B-13	\$ 13,048.61								1,900.82	\$ 14,949.43
FAB-200									121,668.61	\$ 121,668.61
Total	\$ 309,692.09			\$ 123.50	\$ 7,909.06		\$ 2,894.65	\$ 133,660.00	\$ 11,362.49	\$ 444,536.70
Mitchell										
B-45	\$ 77,444.45			\$ 37,119.19	\$ 1,480.80	\$ 6,905.00	\$ 300.00		\$ 7,039.84	\$ 109,007.16
B-250										
P-138	\$ 87,160.36		\$ 4,111.07	\$ 27,312.87	\$ 3,286.96		\$ 4,394.09		\$ 12,139.30	\$ 131,106.55

P-451										\$ 886.76
P-444										\$ 4,072.45
Total	\$ 167,869.10	\$ 198,894.79	\$ 681.44	\$ 65,381.82	\$ 5,297.36	\$ 9,133.04	\$ 4,034.69	\$ 21,546.40	\$ 23,987.21	\$ 573,989.40
Monona										
B-8A	\$ 72,698.14		\$ 4.00	\$ 5,261.20	\$ 1,600.80		\$ 35,271.28		\$ 4,906.37	\$ 118,431.59
B-291	\$ 7,977.37						\$ 10,200.00		514.22	\$ 18,691.59
P-249	\$ 139,568.40			\$ 3,222.33	\$ 10,321.04		\$ 6,239.60		16,763.19	\$ 201,104.56
T-505							\$ 400.00			\$ 400.00
B-48								\$ 109,383.47	3,117.59	\$ 112,500.96
B-171									687.47	\$ 687.47
FAB-234									76.23	\$ 76.23
FAB-201									196.49	\$ 196.49
B-317									72.39	\$ 72.39
Total	\$ 284,292.38	\$ 4.00	\$ 4.00	\$ 8,768.43	\$ 12,211.84		\$ 119,185.63	\$ 291,698.33	\$ 25,987.21	\$ 631,409.33
Monroe										
S-29	\$ 85,743.15			\$ 609.17	\$ 2,766.84				\$ 2,685.82	\$ 89,105.06
B-60	\$ 22,500.00								42,553.28	\$ 64,053.28
P-78	\$ 92,961.57			\$ 1,289.35	\$ 7,139.42		\$ 19,628.73		\$ 2,682.83	\$ 117,651.07
P-204	\$ 15,963.54			\$ 2,742.51	\$ 2,461.08		\$ 11,790.44		2,091.00	\$ 22,308.53
C-16	\$ 1,738.19								1,375.39	\$ 3,113.58
B-282	\$ 10,665.00			\$ 1,906.16						\$ 12,571.16
B-292								\$ 46,679.67	169.35	\$ 46,849.02
B-301									554.59	\$ 554.59
B-302									13,033.97	\$ 13,033.97
B-311									15,786.10	\$ 15,786.10
FAB-249									998.79	\$ 998.79
B-279									1,766.67	\$ 1,766.67
Total	\$ 241,870.78		\$ 27,424.66	\$ 8,287.19	\$ 11,688.34		\$ 35,394.66	\$ 72,414.82	\$ 16,275.82	\$ 401,445.77
Montgomery										
B-16	\$ 207,432.16			\$ 497.45	\$ 2,834.35		\$ 293.00		\$ 5,634.67	\$ 213,757.33
B-288	\$ 968.00									\$ 968.00
B-113	\$ 39,389.25						\$ 21,625.15		3,728.54	\$ 61,625.94
B-282									613.87	\$ 613.87
FAB-288									19,828.27	\$ 19,828.27
Total	\$ 247,676.01			\$ 497.45	\$ 2,834.35		\$ 21,739.15	\$ 69,148.28	\$ 14,166.95	\$ 333,143.89
Muscataine										
B-61	\$ 194,265.63			\$ 15,300.23	\$ 1,861.95				\$ 8,279.51	\$ 219,407.32
P-507	\$ 1,108.06			\$ 2,308.20	\$ 3,111.17				11,998.95	\$ 16,526.39
P-509	\$ 54,633.71			\$ 422.62					2,988.50	\$ 58,048.83
P-600										
T-639										
Total	\$ 249,907.40			\$ 15,722.85	\$ 4,973.12				\$ 12,267.00	\$ 278,170.37

*Indicates Baffle Walls.

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Muscatine—Cont.										
B- 49								42,892.36	2,431.64	45,324.00
B-200								42,035.59	2,020.15	44,055.74
Total	\$ 217,116.40	\$ 69,087.64		\$ 25,835.75	\$ 4,973.02	\$ *622.42	\$ 2,902.61	\$ 84,307.95	\$ 28,044.44	\$ 427,540.23
O'Brien										
43	\$ 114,925.50		\$ 1,018,738.19	\$ 18,661.74					\$ 20,346.47	\$ 1,172,656.99
P-247	18,241.67	7,451.67					\$ 817.75		1,049.07	27,539.56
P- 69	45,697.04			5,185.11			300.00		4,167.01	56,169.16
P-235	30,379.05	1,688.17		2,465.80			355.00		3,323.10	47,241.21
P-384		12,090.24					133.00		321.57	12,500.81
P-412		16,367.38							586.00	17,493.47
P-422		24,064.87					60.00		352.85	24,497.72
P-197								\$ 25,434.74	921.94	24,386.62
B-193								13,652.55	242.68	13,895.23
FAB-247								4,828.89	98.39	4,927.28
Total	\$ 211,153.35	\$ 62,301.73	\$ 1,018,738.19	\$ 29,342.74			\$ 1,567.75	\$ 43,931.15	\$ 31,309.17	\$ 1,366,239.11
Osceola										
P- 15	\$ 80,322.12			\$ 13,527.98	\$ 7,619.46				3,624.58	104,055.06
P-169		\$ 16,124.11							769.29	16,893.40
P-197	36,658.40			2,441.19	3,190.31				2,154.51	43,833.51
P-201	1,665.60	694.16							329.45	2,690.21
P-232		34,361.73							1,626.55	35,417.78
P-266		9,735.23							1,563.00	10,238.83
P-355		27,363.66							436.82	27,799.48
S- 9	31,649.73	30,190.85								61,840.58
S- 17		9,623.89								9,623.89
S- 22	10,348.77	19,566.00								29,914.77
S- 43	1,379.54									1,379.54
S- 70	21,558.17									21,558.17
S- 95		2,804.08								2,804.08
B- 87								\$ 10,182.75		10,182.75
B-210								3,714.85	15.75	3,730.60
B-300								5,360.74	99.20	5,459.94
Total	\$ 188,978.33	\$ 140,270.77	\$ 14,839.17	\$ 10,809.77				\$ 19,238.34	\$ 8,927.67	\$ 377,802.05

*Indicates baffle wall.

Pago										
137	\$ 92,873.66			74.00			\$ 8,413.52		4,833.05	166,897.30
178	78,202.97						8,815.95		5,739.06	172,260.58
P- 37										
B-250							11,184.85		9,168.52	243,881.53
B-261									\$ 66,417.00	67,209.63
B-273									13,246.11	19,278.61
									21,000.00	78.56
Total	\$ 393,604.68		\$ 74.00				\$ 27,041.72	\$ 106,637.17	\$ 20,714.07	\$ 548,995.56
Palo Alto										
109	\$ 54,462.87	\$ 8,245.28	\$ 417,878.97	\$ 17,632.17	\$ 1,079.84	\$ 18,839.15	\$ 916.60		\$ 13,532.21	\$ 682,506.19
P-219	40,737.54	2,112.85		12,518.80			3,775.12		2,263.40	61,456.69
P-340	1,868.00	11,374.20		2,901.36						16,849.90
P-386	840.00	8,868.12		4,135.92					451.34	14,297.75
P-419	900.00	17,083.78							463.70	19,060.62
P-463					4,973.87				977.27	3,986.57
P-461					1,169.00					1,169.00
General	5.30								3.20	8.50
B-355										
Total	\$ 58,982.71	\$ 47,875.34	\$ 417,878.97	\$ 37,768.31	\$ 6,658.41	\$ 18,839.15	\$ 4,591.12		\$ 18,100.09	\$ 650,679.00
Plymouth										
38	\$ 122,069.28		\$ 247,586.30	\$ 1,256.88	\$ 7,349.23		\$ 2,650.00		\$ 12,363.10	\$ 399,741.79
181	58,521.90			739.56	5,332.56				4,328.48	72,322.48
192	103,655.45			3,685.50	3,411.52		11,653.49		6,991.96	133,745.43
273	7,626.23		144,815.16						2,000.38	153,391.77
376										
P- 39	62,880.27	\$ 10,329.95								73,210.22
P- 74	42,810.71			3.96	5,472.82				3,883.34	71,440.49
P-350					1,469.82				3,229.00	47,679.53
P-353	16,649.19	12,794.73							88.55	29,522.47
P-441		61.80			850.08				1,906.85	27,251.62
B- 35								\$ 7,783.59		7,783.59
FAB- 35								\$ 40,200.28		40,200.28
B- 81								480.40		480.40
B-105								43,264.85	23.50	43,288.35
FAB-192								9,325.08		9,325.08
B-217								168,452.30	3,974.28	172,426.58
B-263								32,738.49	1,287.01	34,025.50
FAB-273								25,339.07	692.87	26,031.94
								17,940.00	268.30	18,208.30
Total	\$ 418,410.13	\$ 23,152.48	\$ 322,491.46	\$ 5,205.90	\$ 29,389.63		\$ 22,086.90	\$ 286,009.47	\$ 49,537.37	\$ 1,214,229.74
Pocahontas										
P- 7	\$ 27,739.78			\$ 13,332.46					\$ 2,299.92	\$ 43,344.76
P- 30	16,843.00	50,789.13		24,615.71					3,977.22	96,019.06
P- 90	30,124.07	38,671.00		23,223.41					4,533.75	96,532.52
P- 91	3,554.78	57,306.37		11,497.39					2,959.19	75,317.63
P-339	3,844.33	13,178.97		21,676.74					2,222.70	41,199.99
S- 30	45,506.30			2,411.61						47,917.91

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Pocahontas—Cont.		17,011.06								17,011.06
S-90										
B-218								12,285.76	206.23	12,531.99
B-254								2,730.88	136.12	2,847.00
Total	\$ 127,411.70	\$ 177,148.22		\$ 96,788.43			\$ 144.25	\$ 14,906.01	\$ 10,730.13	\$ 433,210.43
Polk	80	30,100.12	338,929.01	1,813.04	280.12				9,117.98	379,320.83
104	35,386.25	321,815.80	5,383.30	304.00					9,448.89	372,730.22
132	41,007.94	335,190.72	7,507.39	4,331.46			25.00		18,002.44	421,344.95
180	21,879.88	223,644.92	2,110.22	821.29					7,922.68	236,378.99
187	29,118.17	202,815.90	2,806.25	1,507.00					9,331.63	294,069.00
199	15,110.05	30,684.56	2,074.15	142.98			729.80		4,738.26	102,039.20
200	32,008.79	306,105.30	2,775.27						11,009.88	352,014.24
215	24,700.56	232,805.31	1,906.09	1,258.85			1,219.50		6,704.24	378,748.15
216	28,449.77	304,439.32	182.92	4,843.77					10,619.03	378,713.46
220	6,903.37	46,550.18	316.58						87.10	55,137.28
P-1	30,052.00	33,321.03	997.70						1,105.42	65,318.23
P-2	10,771.44									10,771.44
P-40	44,329.04	175,870.41	825.37	2,708.00					5,500.91	229,320.95
P-60	6,276.27		3,841.83	473.00					195.00	10,786.10
P-72	60,682.06		5,902.07	3,006.84					2,096.49	71,687.36
P-115	19,277.54		3,746.20						655.69	23,079.34
P-122		14,302.75							352.00	14,654.75
P-244	25,578.00		7,811.05						1,489.55	34,880.50
P-258	5,445.75		36,342.43	1,653.75					1,311.57	43,753.50
P-280	1,376.59	1,569.90		1,379.34						4,349.24
P-319	2,705.03		632.90				10,000.00			13,341.93
P-372	1,857.00	1,325.58	1,480.00							4,662.58
P-418	18,140.00		81,061.70	812.92			428.75		2,281.24	103,025.30
C-31			74,951.90						2,219.70	77,171.60
C-33			140,270.96						4,345.35	144,616.31
C-38			10,172.29							10,172.29
B-292								2,302.10		2,302.10
B-303								5,909.20	444.82	6,353.82
B-304								24,200.63	785.73	25,086.36
B-331								8,491.00		8,491.00
B-332								663.80		663.80
Total	\$ 510,402.40	\$ 17,162.22	\$ 3,016,022.74	\$ 62,002.89	\$ 19,705.91		\$ 13,091.70	\$ 41,050.73	\$ 110,445.79	\$ 3,780,508.29
Pottawattamie	40	40,021.80			2,837.74				1,200.74	44,060.37
207	2,930.29			250.28					2,667.69	3,188.26
209	25,513.61						11,581.24		2,807.60	37,903.45
P-21	92,710.22		3,318.14	10,721.12			2,001.40		10,133.43	118,784.31
P-22	137,370.32		2,903.70	10,002.16			3,851.57		9,807.27	164,805.02
P-92	69,593.17		1,104.70	8,305.02					4,075.68	77,009.47
P-373	786.50		14,802.23	1,073.54					915.37	17,578.04
P-400	5,075.03		20,313.25	790.60			286.42		1,775.52	29,253.82
B-95								131,300.05	2,927.39	134,227.44
B-96								168,432.92	4,243.10	172,676.02
B-97								50,911.64	692.72	51,604.36
B-229								4,629.33		4,629.33
FAB-389								11,846.39	574.37	12,420.76
Total	\$ 378,111.10		\$ 35,115.49	\$ 8,429.90	\$ 32,836.94		\$ 10,120.63	\$ 20,086.61	\$ 29,086.61	\$ 479,531.86
Poweshick	174	77,347.05		11,306.51	2,084.16				6,100.22	97,498.24
261	8,044.38		178.30						1,564.41	10,005.44
P-11	121,883.28		10,908.97	2,625.87			2,820.06		12,471.25	150,056.27
P-247	34,407.80			1,781.03			2,047.80		14,309.44	50,549.27
P-385		80,641.12							1,114.18	81,755.30
P-410		43,304.71							1,374.08	44,678.79
B-15								66,293.13	2,246.97	68,540.10
B-134								24,649.50	1,376.92	26,026.42
B-158								35,525.03	778.45	36,303.48
FAB-991								7,907.34	127.79	8,035.13
Total	\$ 241,682.41	\$ 123,945.88		\$ 22,538.77	\$ 7,001.00		\$ 5,357.80	\$ 134,333.09	\$ 41,414.31	\$ 566,363.98
Ringgold	0	109,444.45			8,807.15		1,480.00		3,900.60	123,632.20
123	100,056.00		328.12	8,019.02			3,927.70		7,034.92	120,566.25
141	25,016.51		756.60	2,687.02			6,308.41		2,334.82	37,802.97
182	46,406.37		1,124.02	4,063.05			2,742.32		4,246.38	59,182.94
P-429		23,001.55							946.19	24,007.54
P-462		3,052.89							180.40	3,233.29
B-47								11,876.00	181.23	12,057.23
B-79								57,556.71	1,296.15	58,852.86
B-123								30,719.31	961.85	31,681.16
B-134								15,708.25	316.92	16,025.17
B-203								6,833.48	486.92	7,320.40
Total	\$ 228,123.36	\$ 36,114.24		\$ 2,308.74	\$ 24,237.94		\$ 14,518.69	\$ 122,783.73	\$ 22,708.49	\$ 504,006.19
Sac	P-10	46.80	20,500.02	4,403.55					1,619.91	26,620.28
P-11	805.40		6,063.05						2,977.88	9,765.29
P-12	2,837.54		12,261.00						3,231.94	18,330.48
P-86		8,807.23	1,702.00						288.00	5,889.79
P-100	1,516.83	57,416.15	6,517.76						2,091.43	67,042.17

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Exp.—Fuel Repairs	Right of Way	Bridges	Engineering	Total
See Cont.										
P-210	9,670.55	9,771.78		1,622.78				9,382.52		32,909.25
P-109	2,736.42	27,000.00		2,535.00		230.36		1,285.75		34,039.98
S-10	8,401.00							1,402.75		8,404.00
S-41	8,895.77							4,054.55		8,895.77
S-42	9,671.15	2,727.71						1,470.12		9,031.15
S-302		2,538.42						1,470.12		2,538.42
S-106	42,779.10	227,387.85		34,813.78		230.86		13,032.90		328,944.05
Total										
P-54	29,466.33		131,333.21	0,156.25				4,071.29		168,631.28
P-55	138,050.14	1,011,000.00	1,491,000.00	17,301.20		692.15	103.00	729,077.63		3,430,463.98
P-56	136,100.00	1,491,000.00	1,491,000.00	17,301.20		4,777.11	5,800.00	24,427.22		3,211,033.13
P-57	27,187.62	83,291.11		2,758.39		615.39	600.50	4,350.39		128,000.01
P-185	25,634.51	149,839.62		35,433.00		3,000.00	916.00	4,064.99		179,008.02
P-217	11,913.91	200,378.18		3.00		5.00	20,547.83	9,159.75		233,368.71
P-218	15,893.03	245,949.09		4,170.37		431.20	4,000.00	8,245.93		274,129.19
P-244	37,259.74	301,622.71		8,382.74		8,382.74	6,256.49	5,482.74		415,806.64
P-124	59,301.55	2,580.50		6,818.68			15,433.25	6,252.25		73,290.96
P-304	17,788.69		39,354.62				790.00	35,508.95		89,043.27
P-305	5,984.21							1,081.62		5,984.21
P-18								15,779.45		15,779.45
B-270								60,793.72		60,793.72
B-200								3,485.00		3,485.00
B-300								1,470.12		1,470.12
Total	\$ 884,452.27	\$ 2,485,450	\$ 2,959,214.36	\$ 47,982.80	\$ 6,259.10		\$ 55,442.97	\$ 115,288.67	\$ 117,200.14	\$ 5,929,742.91
Shelby										
P-297	68,896.20							7,206.49		86,728.97
P-12	593,994.01			1,321.35	2,870.16			12,847.00		690,958.52
P-4	1,695.10			4,430.79	11,900.11			1,385.04		20,155.14
P-309			81,622.90					80,477.10		162,100.00
Total	\$ 593,119.96		\$ 81,622.90	\$ 5,752.14	\$ 13,870.27		\$ 11,922.67	\$ 189,281.69	\$ 22,247.03	\$ 697,106.77

111,246.00	7,408.28	11,249.01	4,222.15	2,122.56	2,122.56	1,492.19	1,492.19	11,249.01	7,408.28	111,246.00
117,738.75	2,122.56	1,492.19	1,492.19	1,492.19	1,492.19	1,492.19	1,492.19	1,492.19	2,122.56	117,738.75
33,786.65	33,786.65									33,786.65
73,168.66	6,153.50	4,887.74	914.85	6,139.18	2,138.00			4,887.74	6,153.50	73,168.66
80,370.98	4,887.74	2,833.94	5,880.04	888.22	5,880.04			2,833.94	4,887.74	80,370.98
10,026.00	90.62	1,066.15	990.97					1,066.15	90.62	10,026.00
19,697.00	1,274.74	133.46						133.46	1,274.74	19,697.00
39,890.00	39,890.00									39,890.00
30,695.00	30,695.00									30,695.00
27,213.32	454.95	142.53						142.53	454.95	27,213.32
59,015.00	59,015.00									59,015.00
5,129.38	5,129.38									5,129.38
4,612.50	4,612.50									4,612.50
311.31	75.71							75.71		311.31
Total	\$ 39,125.05	\$ 29,332.04	\$ 29,791.79	\$ 29,332.04	\$ 29,791.79	\$ 14,948.01	\$ 14,948.01	\$ 29,791.79	\$ 39,125.05	\$ 759,594.22
	\$ 864.90	\$ 1,726.77	\$ 4,437.50	\$ 4,437.50	\$ 4,437.50			\$ 4,437.50	\$ 864.90	\$ 189,295.38
	\$ 823.10	\$ 12,697.51	\$ 23,483.93	\$ 23,483.93	\$ 23,483.93			\$ 23,483.93	\$ 823.10	\$ 19,447.01
	\$ 1,492.63	\$ 30,277.47	\$ 59,015.00	\$ 59,015.00	\$ 59,015.00			\$ 59,015.00	\$ 1,492.63	\$ 30,277.47
	\$ 99.58	\$ 1,066.15	\$ 990.97	\$ 990.97	\$ 990.97			\$ 990.97	\$ 99.58	\$ 1,066.15
	\$ 1,274.74	\$ 133.46						\$ 133.46	\$ 1,274.74	\$ 19,697.00
	\$ 39,890.00	\$ 39,890.00						\$ 39,890.00	\$ 39,890.00	\$ 39,890.00
	\$ 454.95	\$ 142.53						\$ 142.53	\$ 454.95	\$ 27,213.32
	\$ 59,015.00	\$ 59,015.00						\$ 59,015.00	\$ 59,015.00	\$ 59,015.00
	\$ 5,129.38	\$ 5,129.38						\$ 5,129.38	\$ 5,129.38	\$ 5,129.38
	\$ 4,612.50	\$ 4,612.50						\$ 4,612.50	\$ 4,612.50	\$ 4,612.50
	\$ 75.71	\$ 75.71						\$ 75.71	\$ 75.71	\$ 311.31
Total	\$ 39,125.05	\$ 29,332.04	\$ 29,791.79	\$ 29,332.04	\$ 29,791.79	\$ 14,948.01	\$ 14,948.01	\$ 29,791.79	\$ 39,125.05	\$ 759,594.22
Story										
P-62										
P-133	699.50	11,094.91								12,094.41
P-231	15,725.94	2,228.40								18,054.34
P-232	4,887.74	2,833.94								7,721.68
P-233	2,873.22	2,839.03								5,712.25
P-429	4,323.81	4,494.71								8,818.52
C-2										
C-3										
C-9										
B-124										
B-133										
B-135										
B-305										
Total	\$ 109,283.29	\$ 130,283.36	\$ 25,145.53	\$ 95,292.53	\$ 6,300.26			\$ 6,300.26	\$ 11,469.43	\$ 462,651.71
Tama										
P-1	131,971.30	113,724.39								245,695.69
P-79	2,833.94	5,987.27								8,821.21
P-276	111,319.62	5,018.27								116,337.89
P-300	16,096.37	17,462.96								33,559.33
P-438										
B-25										
B-54										
B-314										
FAB-307										
Total	\$ 365,196.23	\$ 139,208.85	\$ 25,145.53	\$ 25,260.80	\$ 11,083.29			\$ 25,260.80	\$ 119,431.32	\$ 726,104.56

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Exp., and Repairs	Right of Way	Bridges	Engineering	Total
Taylor										
SL	\$ 99,486.51				\$ 9,307.04		\$ 5,700.00		\$ 5,775.71	\$ 116,628.66
140	104,700.00			1,568.25	10,085.32		4,787.00		6,431.55	182,400.91
B-17	59,282.82			899.00	105.00				3,800.53	67,872.65
B-18									201.00	15,384.55
FAB-121									993.37	48,810.28
B-213									1,130.75	99,917.85
B-255									1,430.00	1,430.00
Total	\$ 269,468.62			\$ 4,016.65	\$ 16,506.86		\$ 10,487.00	\$ 239,172.77	\$ 19,237.25	\$ 530,300.56
Union										
S7	\$ 151,378.21			\$ 4,905.45	\$ 14,300.37		\$ 12,030.15		\$ 14,320.44	\$ 228,931.57
P-378	31,078.04			3,184.57			4,277.90		2,908.50	41,540.55
P-402	5,475.13								588.84	6,063.97
P-449	2,304.71								337.33	2,642.04
FAB-122									14,008.00	14,008.00
B-252									600.00	600.00
B-255									24,339.63	24,339.63
B-256									17,539.80	17,539.80
Total	\$ 215,337.01	\$ 7,679.34		\$ 4,905.45	\$ 17,575.24		\$ 17,308.00	\$ 121,791.14	\$ 19,604.05	\$ 400,590.78
Van Buren										
61	\$ 63,708.51			\$ 23,393.63	\$ 1,389.23		\$ 11,540.00		\$ 4,789.47	\$ 101,728.83
222	21,948.24			1,755.00	9,810.56		24,836.05		12,305.63	103,866.05
P-382				891.30			12,836.05		2,248.79	37,431.38
B-152							737.50		2,384.01	40,434.30
B-153									13,447.50	13,447.50
B-152									12,430.80	12,430.80
FAB-222									1,644.92	1,644.92
Total	\$ 197,665.79	\$ 38,009.30		\$ 25,445.59	\$ 11,369.73		\$ 40,558.72	\$ 152,128.01	\$ 39,679.38	\$ 504,090.36
Wapello										
42	\$ 102,548.03			\$ 96,396.13	\$ 7,067.44		\$ 655.55		\$ 6,302.07	\$ 116,818.04
189	118,849.68			1,999.65	6,415.04				11,005.82	212,002.66
P-328									3,376.00	3,376.00
C-2										75,132.60
Total	\$ 221,397.71			\$ 98,395.78	\$ 13,482.48		\$ 655.55		\$ 17,678.94	\$ 405,395.06

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Exp., and Repairs	Right of Way	Bridges	Engineering	Total
Warren										
C-22	\$ 72,671.07			\$ 2,891.19	\$ 6,136.10		\$ 36,767.84		\$ 9,307.77	\$ 118,832.28
B-225	3,908.53			2,514.52	6,360.10		2,391.00		1,261.54	18,056.90
B-118	24,116.00			2,565.31	281.07		9,637.62		1,967.27	38,567.27
P-170	7,279.57								8,868.44	8,868.44
P-229									390.02	390.02
P-284									354.15	354.15
P-291	49,721.70			300.87	2,139.48		2,913.15		2,368.31	60,523.61
B-21									61.80	61.80
B-40									20,999.45	20,999.45
B-59									1,110.30	1,110.30
B-69									1,109.25	1,109.25
B-120									60.03	60.03
B-128									15,940.10	15,940.10
B-242									1,569.52	1,569.52
FAB-305									36,578.61	36,578.61
Total	\$ 220,384.61	\$ 69,541.57		\$ 11,605.60	\$ 14,761.84		\$ 10,309.11	\$ 130,533.00	\$ 29,881.08	\$ 502,905.07
Washington										
71	\$ 69,046.05	\$ 19,877.86		\$ 7,349.98	\$ 3,900.00		\$ 9,469.35		\$ 7,092.53	\$ 106,651.82
167	66,849.08	21,065.00		9,354.18			9,314.15		8,392.52	115,246.24
P-322	58,368.35			1,117.83			6,241.01		4,201.28	69,779.17
P-366									4,380.47	4,380.47
B-39									14.25	14.25
B-59									29,451.39	29,451.39
B-135									710.25	710.25
Total	\$ 263,225.04	\$ 59,445.28		\$ 17,712.90	\$ 3,900.00		\$ 25,374.41	\$ 159,466.62	\$ 25,787.89	\$ 545,908.19
Wayne										
91	\$ 152,796.11			\$ 4,877.22	\$ 5,261.29		\$ 9,754.14		\$ 9,754.14	\$ 176,652.76
120	71,221.88			2,810.94	8,025.28		9,277.76		6,537.07	96,003.24
P-227	57,677.34								2,239.44	60,916.78
C-22									82	82
B-13	168.88			685.43			631.52		531.52	11,081.91
B-104									14.25	14.25
B-105									29,299.65	29,299.65
Total	\$ 349,873.02			\$ 8,374.60	\$ 13,547.81		\$ 19,777.65	\$ 29,777.71	\$ 26,536.51	\$ 439,587.25

SCHEDULE NO. 39—Continued

Project Number and County	Grading	Graveling	Paving	Drainage	Guard Rail	Machinery Equip. and Repairs	Right of Way	Bridges	Engineering	Total
Wayne—Cont. FAB-237								53,338.06	2,638.65	56,006.73
Total	\$ 280,956.08		\$ 10,447.08	\$ 7,814.61	\$ 16,588.67		\$ 9,277.76	\$ 130,000.05	\$ 24,850.01	\$ 489,871.84
Webster										
13	55,402.24	\$ 31,633.41			\$ 23,165.10				\$ 1,452.34	\$ 162,065.33
270	1,514.29	9,513.40							1,285.64	15,376.19
272	7,210.73	4,191.26							914.96	12,316.95
P-25	72,458.81			28,497.71					3,532.83	104,489.35
P-64	28,061.53	97.60		20,398.77					5,251.33	53,719.23
P-108	845.19	9,274.56		6,055.55					769.13	16,944.34
P-111	247.50	20,230.00							877.77	21,004.27
P-182	572.85	24,353.34		1,874.64					701.62	27,647.45
P-183	15.50	44,251.34		211.84					614.18	45,092.86
P-184	5,629.52	14,371.41		7,948.58					2,837.19	30,786.70
P-343	5,056.92	5,062.28		1,715.67					55.00	12,869.87
P-389	12,891.38	624.49					681.30		2,035.16	17,225.33
B-307								48,705.82	1,197.41	49,903.23
Total	\$ 191,606.28	\$ 214,327.09		\$ 80,497.86	\$ 472.44		\$ 3,846.25	\$ 48,705.82	\$ 21,112.56	\$ 500,368.30
Winnebago										
30	29,182.51	\$ 26,319.84		\$ 11,367.21	\$ 1,550.71				\$ 2,029.54	\$ 70,438.81
P-2	11,296.58	72,945.07		17,941.90	2,708.14				3,306.39	108,235.08
P-120	31,911.38	51,323.48		22,833.82					5,412.17	113,576.35
P-367	5,090.94								414.15	10,460.49
B-343									30.30	1,515.50
Total	\$ 78,581.41	\$ 151,088.40		\$ 52,151.93	\$ 4,338.85		\$ 5,596.90	\$ 1,483.20	\$ 11,289.55	\$ 304,233.23
Winneschick										
98	250,069.09	\$ 19,348.06		\$ 17,834.96	\$ 14,682.31				\$ 17,970.52	\$ 323,214.96
284		23,882.82							676.32	24,559.14
P-121	66,334.18	5,284.37	4,182.23	25,727.69	5,873.67		675.00		9,241.63	144,968.70
P-177	24,619.40			2,941.97			8,272.30		5,426.10	51,279.77
C-15			26,704.93						3,754.89	30,459.84
B-53								\$ 88,336.66	304.75	88,641.41
B-73									289.09	15,992.43
FAB-98									26,335.51	37,082.27
B-146									33,306.25	34,794.05
B-162									30,310.41	31,149.51
Total	\$ 378,022.07	\$ 48,515.25	\$ 31,437.17	\$ 46,494.64	\$ 30,558.88		\$ 15,967.40	\$ 164,139.17	\$ 40,016.76	\$ 742,048.94
Woodbury										
2	445,344.05		\$ 1,184,671.87	\$ 1,950.15	\$ 19,388.87		\$ 41,628.77		\$ 41,503.80	\$ 1,734,377.51
78	37,239.05		124,632.80	2,715.00			1,125.00		2,537.73	168,249.58
136	51,225.07		185,952.77	117.00			15,968.17		3,785.30	256,678.31
162	64,348.40				5,975.40		4,378.40		2,590.32	77,462.72
188	45,183.63		2,843,104.01	77.00			29,358.89		3,671.03	275,392.51
245	21,712.37						23,661.10		1,812.07	47,212.44
254	18,968.50						17,818.17		1,409.71	38,336.38
273			280.66							289.06
P-45	149,117.43		647,830.02	12,461.96			10,141.70		11,210.50	830,887.61
P-187	1,787.22		24,932.05						1,028.20	27,747.47
P-367		\$ 11,650.63								12,171.33
P-457			57,010.79						34.84	57,010.79
C-12								\$ 42,769.00	1,127.62	43,896.34
FAB-2								45,490.36	2,182.63	47,673.40
B-340								37,187.66	977.02	38,165.28
FAB-345								22,549.74	499.53	24,049.27
FAB-254								5,012.75	206.94	5,219.69
B-349										
Total	\$ 835,225.84	\$ 11,650.63	\$ 2,429,567.90	\$ 17,321.11	\$ 25,384.27		\$ 137,300.20	\$ 144,000.07	\$ 75,188.00	\$ 3,674,717.02
Worth										
134	46,225.44	\$ 20,617.05		\$ 14,863.93					\$ 6,318.29	\$ 88,023.71
208		12,806.26							645.96	13,452.72
P-82	38,982.92			771.90			\$ 969.40		2,749.81	43,654.00
P-161	64,636.40			33,670.30					803.20	98,874.00
P-216	10,653.05	58,241.56		10,634.97	\$ 3,621.53		125.00		14,313.15	138,589.25
B-98									745.12	35,632.08
Total	\$ 194,841.41	\$ 91,664.97		\$ 56,540.69	\$ 3,621.53		\$ 1,094.40	\$ 34,906.90	\$ 22,574.08	\$ 405,244.35
Wright										
29	46,964.21	\$ 102,531.76		\$ 22,649.55			\$ 750.00		\$ 5,007.80	\$ 177,962.78
P-19	51,560.77	10,129.64		13,075.86	\$ 1,423.97		7,911.75		4,984.37	65,196.58
P-199	28,306.05	12,368.82		3,740.73	973.20		1,459.95		8,073.63	54,957.36
P-300	37,876.94	20,180.87		17,186.96	501.48		263.25		6,354.33	82,733.83
P-341	4,352.75	5,751.42		456.45					66.00	10,206.62
P-387	10,338.13	1,949.73		45.72			3,430.15		1,892.98	16,676.74
P-454	1,399.94						5.00		151.82	1,556.76
B-26								\$ 29,308.65		29,308.65
B-90								4,645.39	13.00	4,658.39
B-138								6,614.75	15.00	6,630.25
B-296								2,200.00		2,200.00
FAB-267								17,378.21	366.40	17,971.61
B-350									34.90	34.90
Total	\$ 180,798.77	\$ 158,012.27		\$ 57,553.27	\$ 2,808.65		\$ 13,830.10	\$ 57,232.00	\$ 27,192.79	\$ 497,500.35
Grand Total	\$ 825,640,847.20	\$ 60,454,531.03	\$ 2,823,342,613.74	\$ 83,088,428.58	\$ 991,230.56	\$ 108,847.77	\$ 1,900,845.41	\$ 90,928,636.55	\$ 22,776,264.17	\$ 74,241,248.01

Includes \$8,533.33 baffle wall.

SCHEDULE NO. 40

RECEIPTS AND EXPENDITURES BY FUNDS AND PURPOSES
FOR YEAR DECEMBER 1, 1925 TO NOVEMBER 30, 1926

Funds	Balance Dec. 1, 1925	Receipts During Year	Total	Expended for				Total Expended	Balance Dec. 1, 1926
				Construction	Maintenance	A. C. R. & I.	Bond R. & I.		
Primary road	\$ 2,748,142.05	\$ 8,527,557.50	\$11,275,700.45	\$ 2,921,526.91	\$ 3,820,126.99	\$ 1,001,573.30	\$ 388,645.10	\$ 8,730,872.30	\$ 2,548,828.15
Development		4,243,195.94	4,243,195.94	1,828,391.97			171,500.00	1,999,891.97	2,243,303.97
Anticipation certificates	268,071.83	1,381,189.78	1,652,361.61	1,691,604.03				1,691,604.03	50,597.58
Bond	835,379.62	2,744,796.71	3,580,176.33	2,341,340.06				2,341,340.06	1,238,836.27
Special assessment	769,682.29	206,677.02	145,684.73	236,824.32				206,824.32	*69,839.59
County		2,987.61	2,987.64	2,987.64				2,987.64	
City		85,967.52	85,967.52	85,967.52				85,967.52	
Totals.....	\$ 3,700,912.11	\$17,195,362.11	\$20,066,274.22	\$ 8,988,702.45	\$ 3,820,126.99	\$ 1,001,573.30	\$ 555,145.10	\$14,965,547.84	\$ 6,029,726.38

*Indicates overdrawn on account of expenditures being made from Special Assessment funds before assessments are finally levied.

SCHEDULE NO. 41

RECEIPTS AND EXPENDITURES BY FUNDS AND PURPOSES
DECEMBER 1, 1917 TO NOVEMBER 30, 1926

Funds	Total Receipts	Expended for				Total Expended	Balance November 30, 1926
		Construction	Maintenance	Antic. Cert. Redemption and Interest	Bond Redemption and Interest		
Primary road	\$ 69,094,639.32	\$ 37,635,400.05	\$ 17,307,761.82	\$ 10,504,184.45	\$ 1,078,514.85	\$ 66,545,861.17	\$ 2,548,828.15
Development	4,243,195.94	1,828,391.97			171,500.00	1,999,891.97	2,243,303.97
Anticipation certificates	11,716,794.11	11,716,166.53				11,716,166.53	50,597.58
Bond	19,909,094.48	18,670,223.21				18,670,223.21	1,238,836.27
Special assessment	2,758,217.53	2,819,056.92				2,819,056.92	*69,839.59
County	321,165.61	321,165.61				321,165.61	
City	1,239,838.72	1,239,838.72				1,239,838.72	
Totals.....	\$109,323,935.51	\$ 74,241,248.01	\$ 17,307,761.82	\$ 10,504,184.45	\$ 1,250,014.85	\$108,303,300.13	\$ 6,029,726.38

*Indicates overdrawn on account of expenditures being made from Special Assessment funds before assessments are finally levied.

SCHEDULE NO. 42

SHOWING REFUNDS TO COUNTIES, DECEMBER 1, 1925 TO MARCH 31, 1926 FOR
PRIMARY ROAD MAINTENANCE WORK DONE PRIOR TO DECEMBER 1, 1925

County	Earth Roads	Gravel Roads	Paved Roads	Bridges	Special Case	Total Expendi- tures
Adair	2,012.61				1,476.25	3,488.86
Adams	2,005.57					2,005.57
Allamakee	3,429.92					3,429.92
Appanoose	2,138.57					2,138.57
Audubon	7,505.03					7,505.03
Benton	4,596.22			908.08		5,504.30
Black Hawk		3,303.86	3,486.78			6,790.64
Boone	274.02	9,492.28		718.50	286.00	10,770.80
Bremer	2,575.59	1,306.04		798.63		4,680.26
Buchanan	692.24	3,322.94	308.00		60.75	4,414.58
Buena Vista		6,259.43				6,259.43
Butler	275.15	4,719.38		569.00	207.15	5,771.28
Calhoun		8,774.10				8,774.10
Carroll	3,497.29	2,941.98		204.18		6,643.45
Cass	9,448.10				84.00	9,532.10
Cedar	4,730.83					4,730.83
Cerro Gordo		1,019.67	2,376.27			3,395.94
Cherokee	309.00	9,750.05				10,059.74
Chickasaw	894.00	2,413.97			178.84	3,486.81
Clark	2,780.37					2,780.37
Clay		21,322.29				21,322.29
Clayton	4,017.42	3,306.17				7,323.59
Clinton	902.24	21.20	912.50		2,180.92	4,116.39
Crawford	4,434.05	2,307.35			275.80	7,017.20
Dallas	227.18	4,271.80			72.00	4,571.78
Davis	1,278.75					1,278.75
Decatur	6,308.00			821.02	202.20	7,331.22
Delaware	251.27	9,906.88			307.10	10,465.25
Des Moines	1,170.68	90.00	302.00			1,472.68
Dickinson		1,347.00	40.00		62.73	1,449.73
Dubuque	2,472.21	6,442.41	25.00			8,939.62
Emmet		3,074.13				3,074.13
Fayette	1,905.97	14,323.19				16,229.16
Floyd	1,504.54	1,355.25	589.40		1,754.21	3,243.50
Franklin		7,474.97				7,474.97
Fremons	1,503.72					1,503.72
Greene	302.75	818.77	170.80			1,342.82
Grundy	122.00	3,774.45		75.10		3,971.55
Guthrie	6,185.57	60.75				6,246.32
Hamilton		4,259.24				4,259.24
Hancock	*65.00	1,679.13	1,046.18			2,790.31
Hardin		6,404.96			103.10	6,508.06
Harrison	7,964.97			7.70		7,972.67
Henry	5,589.27				464.36	6,053.63
Howard	1,584.16	9,808.50			42.84	11,435.50
Humboldt		919.43				919.43
Ida	1,305.00	3,406.32			657.52	5,368.84
Iowa	3,786.03					3,786.03
Jackson	1,344.61	12.40		18.45	24.52	1,399.98
Jasper	3,028.28	11,429.31				14,457.59
Jefferson	1,312.05				8.08	1,320.14
Johnson	4,325.41		54.33			4,379.74
Jones	1,249.18	691.50		220.15	75.00	2,235.83
Keokuk	3,275.00			.81	379.20	3,655.01
Kossuth		14,008.55	81.40			14,089.95
Lee	1,544.44	490.70				2,035.14
Linn	9,981.30		361.07			10,342.37
Louis	3,090.68		16.00			3,106.68
Lucas	2,308.31					2,308.31
Lyon		2,869.45				2,869.45
Madison	4,392.73			116.00	106.70	4,615.43
Mahaska	2,380.22					2,380.22
Marion	3,462.00			871.41		4,333.41
Marshall	188.17	2,082.47	266.85			2,537.49
Mill	11,164.70			242.87	641.85	12,049.42
Mitchell	379.43	14,537.42			629.29	15,546.14
Monona	1,079.24			106.78		1,186.02
Monroe	7,381.79					7,381.79
Montgomery	1,915.82					1,915.82

SCHEDULE NO. 42—Continued

County	Earth Roads	Gravel Roads	Paved Roads	Bridges	Special Case	Total Expendi- tures
Muscatine	6,017.53	335.90		402.44	1,182.13	7,937.00
O'Brien	389.75	2,644.28	1,584.95			4,619.98
Oceola	*280.00	6,783.43		222.98	22.12	6,600.53
Page	3,429.66			98.50		3,519.16
Palo Alto		5,479.17	284.51	4.00		5,767.68
Plymouth	10,885.53	375.45		333.21	37.32	11,631.51
Pocahontas		2,064.32				2,064.32
Polk		*10.77	1,022.25		140.00	2,063.02
Pottawattamie	25,426.27			193.77		25,620.04
Potosi	6,000.44	11,123.31		777.49	4,305.30	22,206.54
Townshend	1,232.28					1,232.28
Sac		3,186.45			36.75	3,223.20
Scott		304.75	2,706.00		4,882.70	8,693.45
Shelby	2,204.10			329.80	7.00	2,540.90
Sioux	122.10	9,000.17	*.88			9,123.89
Story	2,730.25	9,643.73		385.00		12,759.98
Tama		1,353.25				1,353.25
Taylor	1,051.00				249.27	1,300.27
Union	1,387.31					1,387.31
Van Buren	1,592.13	1,081.88			404.78	3,078.79
Wapello		1,511.23		1,225.11	371.25	3,107.59
Warren	15,678.22	574.95			117.57	16,370.74
Washington	9,382.14					9,382.14
Wayne	4,303.90					4,303.90
Webster	842.49	15,400.42			124.53	16,367.44
Winnebago		9,955.30			30.00	10,015.30
Winnesaukee	12,327.85				781.05	13,108.90
Woodbury	3,703.31	1,529.22	4,948.14			10,179.67
Worth	1,191.05	2,834.41			117.80	4,143.26
Wright	807.65	4,130.59			567.97	5,506.21
Total	\$271,196.07	\$285,266.09	\$ 21,462.80	\$ 11,234.15	\$ 25,245.04	\$ 614,844.71

*Minus quantity.

SCHEDULE NO. 43

STATEMENT SHOWING EXPENDITURES FOR MAINTENANCE PROOFER AND BETTERMENTS BY COUNTIES AND UNITS, PRIMARY ROAD,
DECEMBER 1, 1925 TO NOVEMBER 30, 1926

County	Unit	Mile- age	Classi- fica- tion	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile
				Surface	Road Bed	Struc- tures	Snow Removal	Surface	Road Bed	Structures		
Adair	1	5.0	E	253.40	\$ 401.72	\$ 128.80	\$ 310.98	\$ 88.31	\$ 25,790.16	\$ 1,181.41	\$ 628	
	2	15.2	E	3,460.38	1,244.56	172.75	483.83	200.90	254.01	6,328.78	620	
	3	12.2	E	1,460.50	1,151.08	59.14	660.49	227.34	257.34	3,052.86	451	
	4	11.2	E	2,063.03	1,251.98	100.22	591.22	101.11	75.73	2,304.88	278	
	5	12.2	E	2,063.03	1,251.98	100.22	591.22	101.11	75.73	2,304.88	278	
	6	8.3	E	975.55	301.39	2.00	45.85	2.00	115.68	1,390.79	225	
Total		57.9		14,134.37	5,307.04	668.32	2,640.25	2.00	1,080.78	25,790.16	411	
Adams	1	10.1	E	9,083.17	2,685.39	973.74	399.76	5,000.00	257.34	13,141.11	620	
	2	12.8	E	3,150.50	2,157.20	135.43	127.82	5,000.00	257.34	6,328.78	451	
	3	2.5	E	1,392.32	687.23	58.88	127.82	5,000.00	257.34	2,304.88	278	
	4	2.5	E	740.41	349.33	58.88	127.82	5,000.00	257.34	1,390.79	225	
Total		28.9		7,874.10	5,382.14	1,154.85	1,110.50	2,000.00	612.80	16,016.70	435	
Allamakee	1	7.8	E	1,313.75	140.45	14.00	1,083.89	5,000.00	257.34	2,883.41	370	
	2	16.1	E	2,836.80	1,270.05	14.00	1,083.89	5,000.00	257.34	4,144.88	354	
	3	10.0	M	2,063.78	1,324.99	8.80	1,127.00	5,000.00	257.34	3,544.88	290	
	4	20.4	E	2,102.30	383.74	497.68	1,472.08	5,000.00	257.34	4,000.00	348	
	5	20.4	E	2,187.13	397.35	497.68	1,472.08	5,000.00	257.34	4,000.00	348	
Total		85.8		10,773.75	4,292.79	531.68	6,413.60	2,000.00	2,683.61	24,046.74	280	
Appanoose	1	14.0	M	4,076.99	1,246.59	577.23	370.02	5.00	651.10	6,006.32	405	
	2	15.1	E	2,735.20	610.72	610.72	189.79	5.00	292.19	4,344.00	422	
	3	11.5	E	1,978.38	311.84	409.30	94.55	5.00	256.80	2,746.83	325	
	4	16.9	M	4,378.38	2,111.84	409.30	285.38	6.50	326.85	7,131.77	457	
Total		57.5		13,269.95	3,729.73	1,735.59	940.74	21.50	1,309.33	25,372.00	443	

FINANCIAL STATEMENT

Audubon	1	11.4	E	3,672.21	172.14	245.30	1,414.10	287.15	\$ 3,701.96	538
	2	18.5	E	2,987.65	1,017.80	169.60	1,431.31	134.79	6,750.18	709
	3	10.9	E	1,431.31	610.41	101.64	74.90	292.10	2,500.31	355
	4	10.9	E	4,971.37	2,910.21	101.64	74.90	292.10	8,000.31	855
Total		43.5		17,304.01	6,696.05	447.54	4,000.14	919.83	29,628.47	681
Benton	1	22.2	E	10,068.45	475.49	275.40	1,107.07	94.28	13,020.69	604
	2	17.1	M	2,720.43	630.31	61.00	200.20	167.33	3,717.37	321
	3	9.0	M	2,402.20	182.16	182.88	104.91	31.03	2,915.27	284
	4	24.8	E	4,794.48	331.66	489.73	165.91	90.28	6,655.20	269
	5	6.5	E	1,004.62	66.00	132.10	102.75	47.80	1,444.33	222
	6	3.2	E	1,000.17	15.00	45.20	1.30	35.22	1,085.85	158
	7	9.9	P	1,138.17	82.40	276.70	1.30	35.22	1,589.85	158
Total		99.8		25,166.50	1,726.02	1,415.91	3,252.49	600.00	29,166.91	321
Black Hawk	1	47.9	P	1,208.03	1,772.59	1,230.69	4,845.62	1,484.61	10,531.45	229
	2	11.1	G	9,007.21	1,690.26	32.40	286.19	225.10	11,038.21	1,088
	3	7.9	G	3,404.66	112.79	22.30	615.94	225.10	4,380.75	573
	4	7.9	G	3,404.66	112.79	22.30	615.94	225.10	4,380.75	573
Total		79.5		22,884.54	2,374.47	1,357.29	6,848.73	2,000.00	36,303.31	400
Boone	1	23.1	G	3,285.25	605.08	4,511.42	1,875.44	693.72	12,086.29	607
	2	22.2	G	3,285.25	605.08	4,511.42	1,875.44	693.72	12,086.29	607
	3	22.2	G	3,285.25	605.08	4,511.42	1,875.44	693.72	12,086.29	607
	4	23.8	G	4,394.14	494.67	61.79	2,994.00	707.88	6,214.11	278
	5	4.4	G	2,129.25	310.57	12.48	2,830.02	329.31	5,375.61	500
Total		78.0		15,621.81	1,777.61	11,881.69	4,398.09	1,970.82	35,447.02	654
Bremer	1	27.5	G	4,001.91	297.85	17.69	1,660.75	654.25	6,345.45	410
	2	13.0	G	6,280.79	796.87	103.29	5,181.90	842.96	13,410.11	593
	3	18.8	G	4,394.14	494.67	61.79	2,994.00	707.88	6,214.11	494
	4	12.8	G	2,129.25	310.57	12.48	2,830.02	329.31	5,375.61	500
Total		72.1		17,330.09	1,699.36	194.65	12,626.69	1,970.82	25,385.84	508
Buchanan	1	16.5	P	680.34	558.54	241.23	2,690.41	437.53	4,727.61	286
	2	6.8	P	2,131.78	202.48	341.25	625.67	102.50	3,403.66	804
	3	11.3	E	2,390.30	806.50	56.23	32.28	67.00	280.89	345
	4	11.3	E	5,456.82	591.09	236.64	662.06	6.25	2,130.90	2,003.50
Total		46.0		11,859.24	2,139.51	865.45	3,794.71	811.25	1,689.56	568
Buena Vista	1	7.9	G	1,906.21	375.67	10.50	623.27	43.34	3,179.95	415
	2	19.2	G	5,327.43	927.12	87.82	1,692.54	432.85	8,088.09	421

SCHEDULE NO. 43—Continued

County	Unit	Mileage	Classification	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile
				Surface	Road Bed	Structures	Snow Removal	Surface	Road Bed	Structures		
Huesna Vista—Cont.	3	21.7	G	1,834.38	796.47	363.97	1,110.24	617.19		411.43	5,275.88	243
	4	18.6	G	4,301.94	1,327.19	307.39	692.75	617.19	922.03	8,048.49	435	
Total		67.4		\$ 13,533.16	\$ 3,436.45	\$ 911.68	\$ 2,289.50	\$ 1,279.72	\$ 1,913.60	\$ 24,333.81	\$ 361	
Butler	1	1.8	G	344.13	81.69	4.35	89.65		12.71	535.34	297	
	2	26.6	M	8,137.29	595.35	1,630.62	3,092.94		364.53	13,705.04	515	
	3	17.6	G	10,563.40	592.03	346.82	1,108.08		427.51	12,948.74	733	
	4	23.6	G	5,915.04	1,303.73	809.00	2,182.04		542.95	10,900.85	474	
Total		69.3		\$ 24,967.77	\$ 3,373.71	\$ 2,825.18	\$ 6,283.61	\$ 1,347.70	\$ 38,089.97	\$ 530		
Calhoun	1	11.8	G	3,189.68	337.50	36.28	627.30		169.55	4,251.31	300	
	2	22.7	G	7,818.74	1,961.25	469.30	1,536.13	9.38	6.11	11,337.63	479	
	3	9.8	G	2,234.79	373.47	587.63	371.35	17.98	354.02	5,210.46	566	
	4	28.3	G	10,808.00	825.37	371.77	1,676.76		112.00	13,779.91	477	
Total		73.5		\$ 24,392.27	\$ 2,702.59	\$ 1,963.58	\$ 3,601.53	\$ 27.30	\$ 472.82	\$ 34,557.30	\$ 470	
Carroll	1	2	G	245.32			5.07		5.37	254.96	1,270	
	2	23.3	G	10,251.62	672.70	45.92	1,394.65			12,405.61	536	
	3	26.2	M	4,961.63	1,225.90	89.23	445.78		365.93	7,088.61	271	
	4	20.6	M	5,419.85	1,458.83	155.20	1,527.60		371.57	6,932.10	337	
Total		70.3		\$ 18,877.88	\$ 3,357.43	\$ 230.37	\$ 3,186.10		\$ 1,069.38	\$ 26,772.18	\$ 381	
Cass	1	24.7	E	18,718.55	3,284.28	225.88	1,455.06		144.29	19,781.26	801	
	2	23.4	E	7,321.70	1,520.23	41.15	1,109.07		408.06	10,372.66	416	
	3	23.1	E	3,969.36	1,638.67	425.65	1,952.38		37.96	8,615.94	374	
Total		73.2		\$ 25,004.61	\$ 6,443.50	\$ 702.68	\$ 4,576.49	\$ 294.70	\$ 1,887.98	\$ 38,999.96	\$ 533	
Cedar	1	23.8	E	8,444.74	2,354.25	74.30	481.11	22.15	197.65	535.51	12,160.85	522
	2	26.9	E	8,616.46	1,070.40	376.60	859.36	6.00	143.28	459.51	11,329.11	429
	3	11.5	E	2,465.17	519.98	959.67	286.29		248.16	4,779.37	415	
	4	15.9	E	5,136.20	317.66	96.40	719.04	22.55	146.55	5,471.11	6,915.69	497
Total		75.6		\$ 25,682.66	\$ 4,492.43	\$ 866.96	\$ 2,345.80	\$ 51.80	\$ 487.48	\$ 35,360.92	\$ 469	
Cerro Gordo	1	32.8	P	3,204.78	634.73	328.28	4,227.65		555.57	9,360.40	290	
	2	3.4	G	4,782.54	192.49	432.19	493.22		76.36	5,966.61	1,103	
	3	11.7	G	1,300.55	217.73	38.65	743.61		290.39	2,400.35	235	
	4	3.2	G	1,127.65	51.95	19.80	96.30		49.57	1,309.41	409	
Total		53.1		\$ 10,311.47	\$ 1,119.83	\$ 609.11	\$ 5,328.23		\$ 872.89	\$ 19,031.33	\$ 358	
Cherokee	1	30.2	G	7,971.81	763.34	33.34	4,256.59		217.40	13,233.48	438	
	2	24.4	G	4,286.26	1,386.23	30.80	255.78		176.64	6,145.73	332	
	3	14.9	G	3,438.23	728.74	8.15	261.51		94.65	4,586.39	304	
	4	7.5	G	867.80	133.35	1.73	28.00		55.85	1,077.86	144	
Total		77.0		\$ 16,564.10	\$ 3,021.60	\$ 61.04	\$ 4,802.85		\$ 544.44	\$ 24,991.77	\$ 335	
Chickasaw	1	11.2	G	2,696.35	968.37	136.55	2,151.09	373.60	240.02	6,438.18	575	
	2	8.0	G	1,287.96	246.90	39.30	365.89	312.12	93.84	2,345.91	782	
	3	20.3	G	5,958.43	732.16	297.00	3,824.69	307.32	361.75	12,445.84	613	
	4	11.2	G	3,282.33	402.80	129.27	2,712.93		134.48	6,601.81	568	
Total		45.7		\$ 13,226.07	\$ 2,319.53	\$ 601.92	\$ 9,084.00	\$ 1,184.05	\$ 261.75	\$ 1,351.82	\$ 27,921.74	\$ 611
Clarke	1	13.3	E	4,273.87	739.54	59.90	1,332.55		229.19	6,445.05	459	
	2	10.4	E	5,970.14	646.02	11.00	1,440.68		156.50	7,994.94	762	
	3	12.1	E	2,836.76	866.55	7.10	790.35		298.75	4,794.54	396	
	4	9.0	E	2,320.67	394.71	512.46	429.37		130.80	3,967.91	442	
Total		44.8		\$ 11,402.44	\$ 2,607.42	\$ 590.46	\$ 3,973.88		\$ 815.24	\$ 22,729.41	\$ 500	
Clay	1	6.7	G	730.44	322.32	732.92	855.56		307.23	3,168.69	473	
	2	3	G	127.04	4.03		77.48		2.22	249.79	800	
	3	23.9	G	11,546.35	679.15	405.08	3,023.64		404.37	16,049.39	672	
	4	6.9	G	1,530.27	163.30	3.30	383.56		137.63	2,045.05	760	
	5	16.0	G	3,273.37	494.05	96.69	1,358.43		226.56	7,734.66	485	
Total		53.8		\$ 22,308.47	\$ 1,624.07	\$ 1,269.03	\$ 5,088.09		\$ 1,107.80	\$ 32,438.55	\$ 603	
Clayton	1	1	G	290.23		2.90	148.25		32.68	352.08	40	
	2	1.2	G	296.23					75.11	506.60	422	
	3	2.4	E	160.00	320.00				48.25	428.25	230	
	4	10.6	E	2,537.16	405.84		664.19		257.34	3,884.53	366	
	5	10.2	G	5,212.10	1,248.10	6.00	1,026.88		446.67	15,118.92	787	
	6	29.1	M	7,285.77	1,825.50	112.12	1,321.44		1,779.28	12,864.12	442	
	7	14.1	G	4,768.74	882.14	5.60	824.68		341.36	6,212.14	443	
	8	20.1	M	6,272.54	1,769.22	40.30	1,259.32		816.31	10,385.51	517	
	9	7.2	E	2,028.67	458.94		518.57		200.94	3,217.08	455	
Total		104.7		\$ 28,411.20	\$ 6,849.84	\$ 165.91	\$ 6,088.74	\$ 7,179.59	\$ 3,993.96	\$ 32,839.32	\$ 505	

SCHEDULE NO. 43—Continued

County	Unit	Mileage	Classification	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile	
				Surface	Road Bed	Structures	Snow Removal	Surface	Road Bed	Structures			
Clinton	1	37.0	P	\$ 1,579.69	\$ 3,081.05	\$ 1,533.99	\$ 542.74			\$ 839.62	\$ 7,547.09	\$ 204	
	2	5.7	E	892.13	173.10	97.50	11.90			92.35	1,306.08	222	
	3	35.3	E	5,830.41	1,815.60	21.30	169.35			218.49	8,055.35	536	
	4	10.7	E	5,601.13	824.41	51.30	250.70			157.71	3,805.25	361	
	5	16.4	P	701.04	1,738.58	153.47	137.94			706.54	3,660.77	317	
Total		85.1		\$ 11,035.00	\$ 7,647.74	\$ 1,807.76	\$ 1,181.33			\$ 2,071.71	\$ 24,236.54	\$ 285	
Crawford	1	3	G	\$ 120.69						\$ 2.74	\$ 129.43	\$ 430	
	2	25.7	M	5,319.06	\$ 3,297.57	\$ 120.81	\$ 567.46	\$ 3,235.43		448.42	13,019.33	300	
	3	12.8	G	1,714.87	1,392.51	12.51	208.53			247.37	3,475.49	271	
	4	19.4	E	2,635.15	1,529.04	10.25	1,132.12			413.91	5,740.47	296	
	6	17.2	E	1,969.77	2,353.70	12.26	596.54			1,392.20	6,294.47	366	
	7	4.7	E	639.57	753.11	2.92	235.92			144.57	1,747.89	373	
	Total		80.1		\$ 12,405.41	\$ 9,225.93	\$ 159.75	\$ 2,700.97			\$ 3,235.43	\$ 20,407.10	\$ 379
Dallas	1	3	E	\$ 39.69	\$ 13.90		\$ 4.15			\$ 9.34	\$ 65.97	\$ 220	
	2	24.0	G	7,735.38	1,495.55	\$ 326.26	1,825.36			346.46	11,731.91	480	
	3	27.7	G	15,807.89	1,419.96	329.71	2,297.24			945.10	18,000.10	673	
	4	25.4	G	7,163.70	960.30	2,761.11	1,415.66			799.72	12,139.49	517	
	5	5	G	192.69						2.59	194.68	388	
	6	8.1	E	1,136.23	820.68	51.00	120.61			175.46	2,203.98	284	
Total		80.0		\$ 30,088.00	\$ 4,661.30	\$ 3,320.18	\$ 5,731.00			\$ 2,278.67	\$ 46,118.68	\$ 536	
Davis	1	12.0	E	\$ 5,167.50	\$ 1,102.23	\$ 343.90	\$ 332.74			\$ 626.55	\$ 7,369.95	\$ 613	
	2	14.2	E	5,479.26	1,485.83	153.10	273.70			409.86	5,861.85	413	
	3	10.3	E	2,954.47	780.02	733.41	330.07			877.38	5,084.95	482	
	4	10.9	E	3,404.58	177.33	189.87	110.10			195.25	4,090.13	370	
Total		47.4		\$ 15,005.94	\$ 3,554.41	\$ 1,399.28	\$ 1,076.21			\$ 2,149.04	\$ 23,176.88	\$ 480	
Decatur	1	15.0	E	\$ 3,176.24	\$ 2,405.04	\$ 480.95	\$ 337.50			\$ 379.26	\$ 6,798.99	\$ 452	
	2	10.5	E	2,349.82	1,461.98	384.24	229.69			347.33	4,712.46	440	
	3	10.6	E	2,274.91	1,251.14	373.13	143.38			287.60	4,355.16	400	
	4	17.0	E	4,737.28	1,469.30	694.58	427.87			329.38	7,800.37	459	
Total		53.1		\$ 12,538.25	\$ 6,458.42	\$ 1,622.90	\$ 1,143.74			\$ 1,524.67	\$ 23,646.98	\$ 445	
Delaware	1	22.4	G	\$ 6,867.43	\$ 604.80	\$ 1,381.02	\$ 1,222.17	\$ 6,140.79	\$ 677.66	\$ 432.37	\$ 17,569.49	\$ 715	
	2	1.2	G	299.22		2.00	143.36			14.40	446.07	372	
	3	25.3	G	4,542.09	816.00	183.00	1,376.62	1,944.03		527.61	9,301.54	403	
	4	10.0	E	1,254.29	48.40	740.84	104.30			213.60	2,361.42	223	
	5	3.0	E	88.40	180.45					53.56	322.40	301	
Total		59.1		\$ 13,009.33	\$ 1,450.30	\$ 2,906.95	\$ 2,846.35	\$ 8,085.43	\$ 677.66	\$ 1,461.82	\$ 29,887.92	\$ 600	
Des Moines	1	8.8	P	\$ 897.18	\$ 149.93		\$ 36.80			\$ 408.60	\$ 1,426.63	\$ 170	
	2	16.7	E	10,272.15	646.41		961.30			475.44	11,055.30	698	
	3	7.0	E	5,915.75	328.75		142.70			172.94	5,460.14	780	
	4	6.7	M	1,571.00	383.43	\$ 449.74	45.50			342.44	6,002.14	800	
Total		39.2		\$ 21,666.08	\$ 1,538.53	\$ 449.74	\$ 486.30			\$ 1,299.51	\$ 24,010.21	\$ 623	
Dickinson	1	23.1	G	\$ 7,933.09	\$ 2,636.98	\$ 294.51	\$ 1,668.22			\$ 204.22	\$ 1,035.24	\$ 13,292.96	\$ 575
	2	1.2	G	137.05	4.65		77.47			4.96	242.92	1,215	
	3	7.4	G	1,139.11	775.31	78.61	594.38			32.60	2,922.17	864	
	4	6.0	G	6,565.39	746.94	85.68	603.58			299.67	8,303.26	1,384	
	5	4.8	P	337.13	394.50	22.85	314.61			136.63	1,085.72	226	
Total		41.5		\$ 15,802.37	\$ 4,427.79	\$ 401.65	\$ 3,200.25			\$ 296.22	\$ 1,708.69	\$ 25,836.94	\$ 623
Dubuque	1	22.3	M	\$ 4,817.30	\$ 2,330.74	\$ 25.49	\$ 1,218.84			\$ 459.00	\$ 653.72	\$ 9,714.90	\$ 309
	2	20.9	G	8,381.51	1,235.53	100.20	2,275.37			18.50	641.29	12,032.40	609
	3	22.6	G	7,477.97	1,313.11	353.67	1,096.81			18.00	523.27	10,789.83	477
	4	11.9	G	2,612.00	1,682.35	71.12	1,189.35			436.31	6,041.69	508	
Total		81.7		\$ 23,288.68	\$ 6,702.23	\$ 558.54	\$ 5,780.37			\$ 495.50	\$ 2,304.50	\$ 20,189.91	\$ 480
Emmet	1	22.3	G	\$ 4,362.07	\$ 1,562.71	\$ 424.87	\$ 2,443.65			\$ 637.23	\$ 11,390.13	\$ 509	
	2	3.0	G	4,782.69	233.05	51.54	587.05			114.00	5,419.45	977	
	3	9.7	G	4,875.55	903.44	198.61	644.45			534.11	7,216.16	744	
Total		40.0		\$ 15,060.31	\$ 2,700.23	\$ 675.02	\$ 3,675.15			\$ 1,315.43	\$ 23,996.14	\$ 609	
Fayette	*1	4	G	\$ 727.19			\$ 120.40			\$ 16.79	\$ 864.38	\$ 2,109	
	2	27.4	G	4,869.34	\$ 479.65	\$ 24.95	4,253.16			590.49	10,217.50	373	
	3	24.3	G	8,338.07	407.79	154.30	2,536.37	\$ 26.79	\$ 356.47	328.69	12,337.84	509	
	4	34.0	G	5,779.44	1,936.43	39.30	2,553.70			283.24	11,097.11	326	
	5	30.1	E	5,796.89	226.35	37.00	3,392.16			12.92	492.95	9,656.97	495
Total		106.2		\$ 25,009.95	\$ 2,270.13	\$ 225.00	\$ 12,855.79	\$ 26.79	\$ 309.09	\$ 2,196.56	\$ 44,692.89	\$ 419	

*To be reimbursed from Clayton county.

SCHEDULE NO. 43-Continued

County	Unit	Mileage	Classification	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile
				Surface	Road Bed	Structures	Snow Removal	Surface	Road Bed	Structures		
Floyd	1	16.8	P	\$ 3,009.07	\$ 143.67	\$ 353.72	\$ 1,482.09			\$ 488.53	\$ 5,075.08	\$ 308
	2	14.5	M	5,022.61	307.84	204.10	830.16			361.24	6,845.94	472
	3	19.7	M	4,968.66	1,445.83	23.18	1,355.78	\$ 10.72	\$ 3.40	182.00	7,928.59	494
	4	12.5	E	2,907.95	443.50	1.20	954.30			182.00	4,491.94	359
	5	8.0	G	1,500.20	113.00	38.38	715.60			97.22	2,470.49	494
Total		67.5		\$ 17,800.49	\$ 2,453.64	\$ 710.67	\$ 5,238.61	\$ 10.72	\$ 5.04	\$ 1,415.37	\$ 27,244.14	\$ 404
Franklin	1	4	G	\$ 84.63	\$ 13.15	\$ 4.25	\$ 68.21			\$ 1.94	\$ 171.00	\$ 428
	2	8.7	G	3,214.65	323.78	78.22	715.47			236.73	4,283.85	533
	3	8.1	G	4,322.49	381.65	55.80	618.44			142.32	5,430.88	670
	4	12.0	G	4,900.97	196.95		1,548.06			349.05	7,022.00	583
	5	18.3	G	1,437.00	101.04	2.33	1,000.31			132.52	2,763.80	308
Total		42.5		\$ 13,929.39	\$ 1,115.96	\$ 140.40	\$ 4,060.09			\$ 349.05	\$ 20,016.85	\$ 471
Fremont	1	13.2	E	\$ 2,007.75	\$ 860.94	\$ 609.67	\$ 130.45			\$ 206.63	\$ 3,761.62	\$ 285
	2	14.1	E	2,251.97	297.21	371.16	173.96			216.83	3,390.93	254
	3	18.7	E	3,024.43	1,905.36	188.41	222.85			643.35	5,984.40	320
	4	6.7	E	829.53	1,398.18	38.25	27.65			610.64	2,874.25	429
	5	3.8	E	374.21	169.04	306.65	33.90			64.36	938.18	247
Total		56.5		\$ 8,377.87	\$ 4,599.73	\$ 1,314.14	\$ 575.63			\$ 1,801.61	\$ 16,859.98	\$ 298
Greene	1	23.9	P	\$ 1,769.70	\$ 3,199.44	\$ 731.76	\$ 911.71			\$ 509.53	\$ 7,202.50	\$ 301
	2	14.1	G	4,331.67	1,279.20	455.30	537.85			306.41	6,909.43	496
	3	14.5	M	2,908.04	684.35	38.25	992.00			335.60	4,468.00	309
	4	12.3	G	5,200.09	298.96	65.60	394.38			351.82	6,500.46	528
	5	7.8	G	6,944.38	278.03	185.12	548.82			290.00	8,246.45	1,058
Total		73.6		\$ 21,240.54	\$ 5,829.98	\$ 1,474.14	\$ 2,917.36			\$ 1,943.35	\$ 33,468.87	\$ 400
Grundy	1	1.7	G	\$ 237.66	\$ 71.45		\$ 2.50			\$ 18.44	\$ 329.05	\$ 194
	2	11.7	G	3,661.60	125.40	\$ 8.77	757.82			145.48	3,680.33	316
	3	11.4	G	3,211.94	113.39	3.17	529.27			198.39	4,056.16	356
	4	10.0	G	1,867.39	412.83	2.84	349.36			\$ 182.20	2,919.49	292
	5	18.1	G	2,083.98	141.86	2.86	581.74			45.03	2,964.32	305
	6	11.3	G	2,961.31	14.40	2.96	679.84			157.95	3,816.46	336
	7	4.9	G	773.22			156.00			35.98	1,000.90	224
Total		64.2		\$ 18,707.00	\$ 879.55	\$ 30.40	\$ 3,030.03			\$ 335.83	\$ 25,909.59	\$ 390
Guthrie	1	2.0	E	\$ 253.40	\$ 401.71	\$ 139.89	\$ 313.98			\$ 54.26	\$ 1,163.15	\$ 582
	2	22.4	M	5,236.58	2,880.88	-147.95	953.50			445.02	9,370.25	420
	3	16.4	E	4,893.88	3,033.71	716.15	1,304.97			328.14	10,300.88	622
	4	14.5	E	3,294.37	2,161.31	1,556.01	499.25			967.25	8,517.39	587
	5	14.9	E	3,832.31	2,835.61	913.22	609.70			324.60	8,200.44	551
Total		70.2		\$ 17,061.04	\$ 11,332.22	\$ 3,216.36	\$ 3,635.29			\$ 2,182.39	\$ 37,461.11	\$ 534
Hamilton	1	22.1	G	\$ 19,307.17	\$ 530.52		\$ 1,740.75	\$ 4,847.54		\$ 428.71	\$ 17,894.69	\$ 808
	2	22.7	G	4,030.89	262.64	\$ 23.24	584.39			308.31	11,469.16	524
	3	16.7	G	4,792.75	210.11		1,079.37	\$ 1,487.72		283.37	7,863.32	479
	4	6.0	G	1,483.13	115.00	6.90	246.22			75.22	2,090.86	349
Total		67.5		\$ 29,613.87	\$ 1,108.87	\$ 30.14	\$ 4,000.64	\$ 12,808.30		\$ 1,106.21	\$ 29,706.61	\$ 588
Hancock	1	24.3	P	\$ 2,311.95	\$ 567.47	\$ 8.27	\$ 2,186.04			\$ 471.89	\$ 5,495.22	\$ 226
	2	10.5	G	4,323.13	232.65	9.47	682.96			181.91	5,269.32	521
	3	12.7	G	3,389.99	319.77	15.70	1,636.10	\$ 5.30		322.16	5,712.02	450
	4	10.4	G	3,495.37	114.75	46.53	752.10			178.75	4,537.53	438
Total		57.9		\$ 13,000.44	\$ 1,234.64	\$ 83.99	\$ 5,170.63	\$ 5.30		\$ 1,154.22	\$ 21,964.29	\$ 369
Hardin	1	4	G	\$ 366.67	\$ 13.50		\$ 204.89			\$ 7.16	\$ 612.12	\$ 1,406
	2	22.6	G	10,384.44	839.11		2,029.72			345.51	13,498.78	597
	3	17.8	G	8,121.89	355.37	\$ 243.86	2,139.01			476.00	11,070.94	639
	4	12.1	G	4,393.35	388.08		1,488.31			244.96	6,367.10	529
	5	12.9	G	6,489.15	249.55	5.05	2,779.00			\$ 101.43	9,061.21	712
Total		65.8		\$ 29,488.51	\$ 1,845.61	\$ 248.91	\$ 8,691.73			\$ 101.43	\$ 41,795.25	\$ 635
Harrison	1	27.5	E	\$ 11,567.14	\$ 6,240.12	\$ 524.25	\$ 279.21			\$ 632.53	\$ 19,214.33	\$ 700
	2	25.8	E	8,215.21	1,440.21	98.97	238.08			487.89	10,500.43	407
	3	9.6	E	1,996.34	1,062.83	456.77	235.96			304.53	3,147.54	328
	4	9.5	E	855.89	844.43	1,524.24	255.71	\$ 21.42		1,435.27	4,905.45	516
	5	8	E	95.55	21.00	579.91	35.00			44.10	767.16	369
Total		73.2		\$ 21,899.04	\$ 9,600.29	\$ 3,184.24	\$ 1,654.95	\$ 21.42		\$ 2,895.29	\$ 36,565.29	\$ 527
Henry	1	17.6	E	\$ 6,138.71	\$ 1,988.46	\$ 136.50	\$ 292.35			\$ 335.23	\$ 8,791.25	\$ 500
	2	12.1	E	2,293.56	291.35	2.50	61.50			290.14	3,119.25	258
	3	10.0	E	1,974.16	219.89	39.50	20.50			136.77	2,360.82	239

*To be reimbursed from Franklin county.

SCHEDULE NO. 43—Continued

County	Unit	Mileage	Classification	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile	
				Surface	Road Bed	Structures	Snow Removal	Surface	Road Bed	Structures			
Henry—Continued	4	6.6	E	1,841.04	654.86	168.44	26.00			179.74	2,870.68	435	
	5	5.6	E	962.50	43.76		64.60		\$ 133.36	67.11	1,241.23	222	
Total		51.9		\$ 13,169.97	\$ 3,408.52	\$ 366.94	\$ 374.95		\$ 113.26	\$ 888.99	\$ 18,412.63	\$ 355	
Howard	1	23.4	G	6,702.12	700.31	518.70	6,901.77			\$ 316.17	15,139.07	647	
	2	16.2	G	3,231.67	412.62	172.95	1,889.91			212.50	5,419.95	580	
	3	19.9	G	2,747.70	514.62	381.41	1,807.04			147.31	5,598.08	514	
	4	6.5	G	2,118.32	712.90	368.88	1,916.51			133.56	5,230.12	808	
Total		51.0		\$ 14,769.81	\$ 2,340.45	\$ 1,441.89	\$ 12,006.23			\$ 809.84	\$ 31,398.22	\$ 616	
Humboldt	1	11.0	G	4,865.63	188.29	51.81	1,066.79		\$ 42.70	\$ 140.12	7,368.84	631	
	2	12.2	G	5,291.38	498.70	136.55	1,450.44		34.25	193.73	7,905.06	623	
	3	11.8	G	5,889.81	456.43	86.14	1,373.14		6.90	328.51	7,813.13	662	
	4	5.8	G	4,771.12	387.81	146.13	548.12		52.00	162.29	6,084.60	1,049	
Total		40.8		\$ 20,567.44	\$ 1,530.73	\$ 420.13	\$ 5,821.40		\$ 68.90	\$ 128.34	\$ 28,771.68	\$ 705	
Ida	1	15.7	G	2,817.61	466.01	153.20	1,380.65		\$ 284.13	\$ 463.63	5,505.53	376	
	2	.5	G	84.97	20.91	1.44	31.90			3.82	143.04	287	
	3	11.1	G	1,720.24	496.35	306.95	619.51			501.47	3,734.52	326	
	4	22.8	G	5,609.71	608.82	140.24	823.91		1,923.61	612.01	10,967.30	481	
Total		50.1		\$ 10,232.53	\$ 1,682.00	\$ 700.83	\$ 2,805.97		\$ 2,307.74	\$ 1,170.00	\$ 1,581.23	\$ 20,430.39	\$ 408
Iowa	1	.4	E	117.02						\$ 1.81	118.83	295	
	2	25.4	F	6,036.05	1,987.71	738.12	783.34			\$ 375.36	9,916.18	390	
	3	12.8	E	1,944.69	2,575.10	3,164.24	443.41			\$ 301.77	8,429.21	659	
	4	7.3	E	1,246.10	1,920.40	501.46	42.90			\$ 138.87	3,849.73	324	
	5	20.2	E	7,608.89	2,846.42	720.21	446.05			\$ 339.65	12,620.62	595	
Total		66.1		\$ 16,953.35	\$ 9,329.63	\$ 5,119.03	\$ 1,715.70			\$ 1,216.89	\$ 34,384.57	\$ 519	
Jackson	1	15.3	G	3,015.39	1,456.67	1,337.88	462.63			\$ 410.72	6,652.69	435	
	2	27.3	E	4,892.13	3,637.93	1,912.25	813.34			\$ 659.43	11,915.68	436	
	3	19.8	E	4,313.49	2,572.81	325.23	796.00			\$ 495.26	8,413.00	426	
	4	11.8	E	2,881.33	1,254.39	107.60	453.15			\$ 231.45	5,021.70	423	
	5	1.5	G	324.02	178.95	4.95	54.98			\$ 55.91	619.11	413	
Total		75.7		\$ 15,436.94	\$ 9,170.65	\$ 3,687.61	\$ 2,579.50			\$ 1,736.97	\$ 32,621.67	\$ 431	
Jasper	1	15.4	G	3,972.59	\$ 569.30	\$ 93.25	\$ 631.10		\$ 5.25	\$ 332.22	\$ 5,630.21	\$ 366	
	2	.5	G	80.22	13.10		5.66			\$ 7.16	117.04	234	
	3	15.1	E	1,638.75	811.39	45.25	183.91		10.20	\$ 327.81	3,637.22	222	
	4	14.4	E	2,949.40	49.94	33.75	190.98			\$ 305.84	3,530.21	244	
	5	15.0	M	5,592.02	839.83	159.00	260.65		\$ 2.50	\$ 473.68	7,771.61	540	
	6	15.2	M	4,631.37	704.90	91.25	808.00			\$ 135.64	6,691.16	449	
	7	14.6	G	\$ 3,319.74	558.65	28.25	61.95			\$ 249.32	4,228.91	288	
Total		88.2		\$ 22,510.09	\$ 3,330.92	\$ 460.73	\$ 2,165.15		\$ 2.90	\$ 489.13	\$ 2,167.50	\$ 31,316.04	\$ 350
Jefferson	1	10.4	E	3,373.75	334.71	546.41	578.31			\$ 298.87	5,242.05	504	
	2	11.7	M	3,064.18	129.05	94.00	196.63			\$ 197.08	3,689.98	315	
	3	17.2	E	6,925.66	1,919.06	137.54	819.97			\$ 273.67	9,199.00	433	
	4	6.8	E	2,200.15	145.10	309.62	85.35			\$ 100.83	2,844.68	418	
Total		46.1		\$ 14,963.74	\$ 2,621.82	\$ 1,078.73	\$ 1,682.37			\$ 780.45	\$ 20,696.11	\$ 454	
Johnson	1	25.8	M	4,988.75	1,465.51	269.74	413.48			\$ 620.57	7,758.05	301	
	2	15.4	E	3,683.73	235.70	329.20	113.22			\$ 368.30	4,558.20	296	
	3	14.6	E	5,833.74	135.00		144.25			\$ 368.01	6,211.01	425	
	4	9.7	E	2,656.00	738.70	72.22	70.15			\$ 231.97	3,739.10	391	
	5	7.7	E	1,709.97	982.20	15.00	217.37			\$ 305.30	3,090.74	402	
Total		73.2		\$ 18,467.30	\$ 3,547.11	\$ 679.16	\$ 968.38			\$ 1,794.15	\$ 25,416.10	\$ 347	
Jones	1	4.9	G	1,819.10	\$ 558.60	\$ 146.95	\$ 368.68			\$ 122.27	\$ 3,015.96	\$ 615	
	2	10.0	G	2,569.39	731.55	273.28	488.99		\$ 247.05	\$ 229.16	4,474.89	447	
	3	9.4	G	1,862.93	806.71	5.25	394.00			\$ 187.51	3,226.49	346	
	4	21.3	M	4,982.59	2,397.51	529.43	509.16			\$ 837.75	9,159.43	439	
	5	7.9	E	1,310.39	455.23	198.22	60.71			\$ 199.91	2,215.45	280	
	6	7.9	E										
Total		60.7		\$ 12,338.46	\$ 4,869.63	\$ 1,153.12	\$ 1,764.90			\$ 247.05	\$ 1,568.60	\$ 22,121.75	\$ 364
Keokuk	1	14.3	M	4,060.54	1,099.26	881.41	319.07			\$ 350.44	6,090.72	483	
	2	12.7	E	5,715.06	781.72	78.14	347.99			\$ 277.30	6,923.50	545	
	3	16.4	E	6,326.96	1,170.85	66.39	391.06			\$ 447.73	8,335.29	598	
	4	19.9	E	7,091.16	1,633.51	751.82	1,069.47		\$ 140.60	\$ 1,071.77	11,691.33	556	
	5	14.1	E	2,411.39	875.76	568.62	75.71			\$ 256.96	4,216.31	299	
Total		77.4		\$ 25,456.98	\$ 5,241.10	\$ 2,186.00	\$ 2,580.17			\$ 140.60	\$ 1,828.20	\$ 37,437.15	\$ 484

SCHEDULE NO. 42—Continued

Country	Unit	Mileage	Classification	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Price Per Mile	
				Surface	Road Bed	Structures	Snow Removal	Surface	Road Bed	Structures			
Kossuth	1	92.8	G	\$ 13,928.69	\$ 222.70	\$ 326.88	\$ 990.02	\$	\$	\$ 815.00	\$	\$ 15,282.70	\$ 698
	2	11.6	G	2,528.74	229.58	327.53	798.37	\$	\$	1,232.42	\$	4,888.13	439
	3	12.3	P	997.89	145.99		698.70	\$	\$	549.00	\$	2,290.38	186
	4	11.0	G	6,719.35	276.57	610.32	261.86	\$	\$	276.00	\$	7,676.87	689
	5	31.5	G	12,966.83	815.50	419.32	979.56	\$	\$	829.10	\$	16,514.39	534
Total		88.7		\$ 37,691.01	\$ 2,699.23	\$ 871.93	\$ 3,689.41	\$	\$	\$ 3,129.18	\$	\$ 47,574.89	\$ 534
Lee	1	18.6	E	\$ 6,772.79	\$ 2,902.47	\$ 980.22	\$ 159.40	\$	\$	\$ 277.38	\$	\$ 11,285.17	\$ 697
	2	15.4	E	5,888.46	1,258.03	1,158.76	244.75	\$	\$	312.38	\$	8,798.28	371
	3	27.1	E	10,679.31	3,891.27	1,660.74	218.10	\$	\$	899.03	\$	15,888.03	384
	4	13.0	G	1,531.13	1,228.02	585.96	198.29	\$	\$	256.48	\$	4,749.28	288
	5	13.0	G	2,717.77	1,271.68	195.79	139.26	\$	\$	235.69	\$	4,941.44	289
Total		88.8		\$ 30,396.39	\$ 11,852.65	\$ 3,638.98	\$ 887.10	\$	\$	\$ 1,882.29	\$	\$ 47,597.68	\$ 579
Linn	1	30.8	P	\$ 6,682.76	\$ 738.78	\$ 127.92	\$ 1,224.90	\$	\$	\$ 765.15	\$	\$ 7,410.19	\$ 328
	2	5.9	P	2,383.45	58.01	144.41	115.25	\$	\$	300.10	\$	\$ 3,096.21	111
	3	6.5	E	1,605.26	102.23	149.54	297.49	\$	\$	307.52	\$	2,153.00	231
	4	22.5	M	7,301.69	1,194.39	678.45	389.66	\$	\$	307.71	\$	9,736.02	423
	5	1.2	E	148.58	15.99	19.00	12.20	\$	\$	6.34	\$	\$ 233.00	225
Total		96.8		\$ 14,514.38	\$ 2,022.85	\$ 1,611.16	\$ 2,106.22	\$	\$	\$ 441.10	\$	\$ 20,994.79	\$ 419
Lousia	1	19.4	M	\$ 7,795.64	\$ 489.79	\$ 309.27	\$ 885.01	\$	\$	\$ 274.00	\$	\$ 9,348.76	\$ 482
	2	12.6	M	4,271.00	336.67	113.30	734.87	\$	\$	295.23	\$	\$ 5,411.37	\$ 378
	3	12.6	M	5,865.25	551.49	489.52	568.85	\$	\$	1,701.63	\$	\$ 8,735.79	\$ 437
	4	3.5	E	995.82	498.73		111.29	\$	\$	152.54	\$	\$ 1,701.49	\$ 437
Total		58.1		\$ 18,927.71	\$ 2,886.68	\$ 1,922.08	\$ 3,299.03	\$	\$	\$ 83.61	\$	\$ 25,958.16	\$ 497
Lucas	1	11.5	E	\$ 4,418.46	\$ 1,076.88	\$ 184.30	\$ 513.68	\$	\$	\$ 111.81	\$	\$ 7,238.07	\$ 629
	2	11.4	E	3,085.71	411.79	91.88	377.59	\$	\$	111.44	\$	\$ 4,068.44	\$ 354
Lyon	1	54.6	G	\$ 17,346.27	\$ 4,139.09	\$ 745.32	\$ 2,275.10	\$	\$	\$ 528.01	\$	\$ 25,286.38	\$ 468
	2	16.2	G	8,631.09	831.66	278.23	1,010.26	\$	\$	234.88	\$	\$ 10,366.22	\$ 310
	3	15.8	G	2,565.55	551.49	220.07	218.90	\$	\$	68.38	\$	\$ 3,574.39	\$ 229
	4	11.4	E	2,979.41	599.78	250.47	218.90	\$	\$	61.37	\$	\$ 4,099.43	\$ 216
	Total		68.1		\$ 34,362.32	\$ 5,479.02	\$ 786.70	\$ 1,779.70	\$	\$	\$ 469.71	\$	\$ 40,524.74	$ 889
Madison	1	29.2	E	\$ 37.89	\$ 13.95	\$	\$ 1.11	\$	\$	\$ 1.49	\$	\$ 57.22	\$ 269
	2	33.2	E	4,314.22	1,877.43	681.05	688.30	\$	\$	229.70	\$	\$ 6,861.05	\$ 420
	3	13.9	E	3,288.15	2,006.01	4.29	542.05	\$	\$	166.20	\$	\$ 6,841.70	\$ 510
	4	11.4	E	2,811.89	2,174.13	215.76	354.39	\$	\$	360.20	\$	\$ 7,566.37	\$ 553
	Total		68.1		\$ 17,783.67	\$ 7,728.58	\$ 386.68	\$ 2,187.82	\$	\$	\$ 909.09	\$	\$ 28,943.81	$ 815
Mahaska	1	12.8	M	\$ 4,538.39	\$ 990.95	\$ 80.00	\$ 273.88	\$	\$	\$ 236.01	\$	\$ 6,093.19	\$ 469
	2	11.6	M	4,877.03	1,000.15	15.75	132.00	\$	\$	218.15	\$	\$ 6,332.13	\$ 544
	3	13.9	E	2,231.97	739.98	216.00	299.45	\$	\$	168.80	\$	\$ 3,692.55	\$ 306
	4	13.9	E	1,780.95	769.65	46.00	39.40	\$	\$	105.43	\$	\$ 3,805.58	\$ 475
	5	22.8	M	5,585.68	1,708.96	152.71	312.29	\$	\$	435.61	\$	\$ 9,019.45	\$ 295
	6	18.0	E	5,746.34	1,400.98	175.34	515.29	\$	\$	323.90	\$	\$ 7,866.08	\$ 459
Total		86.9		\$ 26,174.31	\$ 5,816.69	\$ 1,100.66	\$ 2,022.17	\$	\$	\$ 1,012.33	\$	\$ 36,784.10	\$ 433
Marion	1	13.1	G	\$ 2,690.41	\$ 163.16	\$ 101.87	\$ 252.23	\$	\$	\$ 279.69	\$	\$ 3,285.65	\$ 339
	2	10.5	E	4,006.88	1,344.27	312.11	441.98	\$	\$	327.29	\$	\$ 6,071.91	\$ 349
	3	12.4	E	1,664.51	491.68	91.66	141.96	\$	\$	206.22	\$	\$ 2,595.03	\$ 301
	4	13.9	E	2,061.85	2,028.00	245.72	51.90	\$	\$	206.37	\$	\$ 7,044.47	\$ 453
Total		60.9		\$ 10,423.69	\$ 5,035.11	\$ 741.36	\$ 998.07	\$	\$	\$ 819.57	\$	\$ 16,280.73	\$ 439
Marshall	1	23.2	E	\$ 23,232.16	\$ 8,294.78	\$ 689.88	\$ 2,317.51	\$	\$	\$ 1,296.45	\$	\$ 37,266.12	\$ 415
	2	18.8	E	1,513.46	2,056.69	2,328.26	1,883.03	\$	\$	737.03	\$	\$ 8,287.16	\$ 399
	3	12.4	G	3,831.39	227.29	20.25	511.94	\$	\$	199.22	\$	\$ 4,890.85	\$ 589
	4	14.8	G	1,618.07	1,307.81	99.35	949.04	\$	\$	249.27	\$	\$ 5,837.17	\$ 453
Total		69.2		\$ 30,195.08	\$ 11,888.85	\$ 1,019.56	\$ 5,653.52	\$	\$	\$ 3,481.97	\$	\$ 49,127.41	\$ 609
Mills	1	12.1	E	\$ 2,341.89	\$ 594.69	\$ 798.08	\$ 156.27	\$	\$	\$ 231.14	\$	\$ 4,428.97	\$ 279
	2	16.0	E	2,495.51	2,403.51	1,273.88	522.00	\$	\$	448.22	\$	\$ 11,061.60	\$ 717
	3	8.5	E	1,792.14	448.97	11.04	33.96	\$	\$	124.13	\$	\$ 2,434.16	\$ 286

SCHEDULE NO. 43—Continued

County	Unit	Mileage	Classification	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile
				Surface	Road Bed	Structures	Snow Removal	Surface	Road Bed	Structures		
Mills—Continued	4	11.9	E	2,153.36	1,446.05	318.92	411.93			226.47	4,556.73	383
Total.....	48.5			11,668.80	5,216.27	4,405.50	1,114.21			1,020.36	23,425.14	483
Mitchell	1	9.8	G	2,985.28	790.10	272.67	696.52			999.61	5,601.18	581
	2	17.2	G	8,025.51	1,136.78	949.16	2,199.49			999.19	12,901.84	754
	3	7.1	G	2,578.40	353.83	296.33	612.74			137.99	3,869.49	555
	4	19.8	G	6,427.87	921.73	191.33	989.45			333.82	8,864.22	448
	5	3.9	E	1,724.46	175.46	8.75	225.43			204.81	2,941.91	307
Total.....	58.8			21,691.52	3,400.92	1,688.74	4,681.54			2,985.43	33,708.14	565
Monona	1	13.4	G	3,463.30	98.72		124.30			147.88	3,834.20	309
	2	19.8	E	1,744.27	159.78	85.23	75.43			127.27	2,141.97	292
	3	24.5	E	4,796.07	2,336.53	265.25	1,371.57			706.24	10,074.29	411
	4	20.4	E	3,293.54	736.94	397.43	1,625.77			555.76	6,509.24	319
Total.....	67.9			13,296.98	3,291.97	737.90	3,197.07			1,409.45	23,559.61	332
Monroe	1	9.0	E	3,473.57	592.89		322.71			347.92	4,556.89	500
	2	13.7	E	5,643.47	585.04	10.60	479.16			259.63	4,977.90	363
	3	8.3	E	2,903.61	676.12	247.64	903.41			255.34	4,635.12	561
	4	17.2	E	5,704.90	1,223.70	436.73	1,363.34			292.34	8,990.70	523
	5	8.2	E	3,159.79	768.26	20.65	301.04			174.23	4,504.97	549
	6			400.00		285.66					133.94	100
	7	11.8	E	804.23	220.30	7.00	90.90			55.25	1,196.58	100
Total.....	67.7			19,690.40	4,376.21	448.96	3,273.56			1,221.71	29,017.90	420
Montgomery	1	8.1	E	1,582.34	983.80	53.42	376.22			129.80	3,140.48	388
	2	17.4	E	6,931.37	1,750.19	458.62	797.31			361.54	10,338.03	594
	3	16.6	E	2,497.42	561.82	192.77	187.59			175.89	3,618.46	341
	4	16.8	E	4,818.45	793.05	64.59	119.73			251.14	6,948.96	360
Total.....	58.9			15,829.58	4,137.86	769.40	1,483.85			928.34	23,143.99	419
Muscatine	*1				6.00							
	*2			9.43								
	3	27.6	M	7,821.30		1,579.37	647.78			618.54	11,165.26	406
	4	18.6	E	3,457.79	398.26	522.13	336.71			342.80	4,947.88	260
	5	10.8	M	2,093.44	453.86	15.38	72.18			294.16	2,969.09	266
	6	15.9	G	4,285.54	564.05	145.12	671.96			322.19	5,988.86	377
	7	13.2	E	3,518.25	1,771.21	590.17	339.71			274.61	6,487.96	491
	8	8.2	G	3,400.21	327.22	87.50	280.34			491.00	4,716.18	575
Total.....	94.3			24,535.06	4,066.58	2,008.08	2,407.30			16.18	32.01	394
O'Brien	1	22.5	P	1,432.31	487.96		1,029.63			132.86	3,102.76	138
	2	27.7	M	5,907.67	855.49	15.85	1,253.21			180.34	6,942.47	251
	3	23.5	G	5,499.57	562.09	16.25	318.63			139.89	6,917.47	277
Total.....	73.7			11,939.55	1,476.06	32.10	2,641.47			453.09	16,562.56	225
Oceola	1	25.4	G	9,199.33	555.23	768.62	1,369.57			145.43	13,923.38	549
	2	17.3	G	3,137.96	361.98	55.05	458.64			132.53	4,146.16	240
Total.....	42.7			12,337.29	917.21	823.67	1,828.21			277.96	18,069.54	376
Pago	1	5.8	E	1,773.15	1,205.62	661.46	168.05			180.13	3,961.41	688
	2	16.8	E	4,898.29	1,909.39	156.44	294.49			349.49	7,608.19	453
	3	11.5	E	2,333.55	1,732.58	135.25	304.63			351.53	4,708.22	409
	4	16.4	E	3,332.94	1,738.96	741.94	119.13			446.68	7,179.39	438
	5	18.3	E	2,351.47	1,832.35	138.76	123.84			.80	6,068.41	309
Total.....	66.8			10,659.78	8,551.20	1,870.85	691.15			885.55	29,400.53	441
Palo Alto	1	11.9	G	5,009.69	457.68	403.09	2,050.43			5.89	8,923.59	760
	2	11.9	G	3,424.80	496.92	123.80	1,822.06			424.58	6,290.41	529
	3	12.6	G	3,874.31	311.32	95.58	1,077.92			3.14	5,507.73	437
	4	11.0	P	597.84	379.31	317.16	400.92			300.66	2,090.51	190
	5	2.0	G	570.43	147.25		229.01			22.18	990.56	490
Total.....	49.4			14,476.10	1,792.48	941.62	5,601.34			19.50	23,987.92	485
Plymouth	1	16.6	P	4,226.32	371.90	868.49	217.56			121.50	5,805.97	352
	2	14.7	E	3,156.86	1,128.01	135.76	2,631.11			348.91	8,285.65	569
	3	19.0	E	2,872.48	777.77	133.46	333.68			145.98	4,282.70	218
	4	20.2	E	3,674.54	1,058.12	1,324.23	2,096.46			151.30	8,585.79	423
	5	7.4	G	1,635.55	543.78	29.75	173.43			60.81	2,443.23	330
	6	22.3	E	5,412.48	2,577.17	511.36	367.30			291.16	9,999.31	467
	7	17.6	E	2,469.39	1,191.36	129.05	304.62			148.29	3,954.19	224
Total.....	118.4			23,408.89	7,663.11	3,145.10	6,960.81			151.30	42,336.84	318

*To be reimbursed from Scott county.

SCHEDULE NO. 43—Continued

County	Unit	Mileage	Classification	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile	
				Surface	Road Bed	Structures	Snow Removal	Surface	Road Bed	Structures			
Pocahontas	1	12.2	G	\$ 6,941.44	\$ 105.46	\$ 9.09	\$ 1,071.84	\$ 339.55	\$ 328.11	\$ 187.15	\$ 8,982.64	\$ 736	
	2	21.2	G	11,740.65	384.13	71.41	1,065.97	543.31	60.96	303.55	14,179.78	669	
	3	5.0	G	1,631.16	101.57	3.64	238.81	133.84	12.74	75.22	2,245.38	443	
	4	19.8	G	4,725.16	206.08	7.73	796.86	386.64	216.30	169.93	6,361.23	320	
	5	15.9	G	7,977.13	156.96	16.14	1,031.66	336.31	39.63	217.30	9,516.12	654	
Total		64.2		\$ 33,065.54	\$ 973.90	\$ 108.01	\$ 4,150.14	\$ 1,097.55	\$ 645.24	\$ 943.07	\$ 41,583.75	\$ 618	
Polk	1	69.2	P	\$ 6,095.16	\$ 4,463.68	\$ 1,641.98	\$ 3,207.83				\$ 1,790.57	\$ 17,234.92	\$ 391
	2	.5	E	1,492.22							5.83	1,498.12	2,992
	3	22.5	M	3,022.97	1,317.33	86.48	3,638.81				816.33	8,911.54	396
	4	4.9	P	381.85	301.96	44.72	87.10				96.87	1,462.50	298
	5	.5	G	122.09							3.83	195.92	390
	6	3.5	G	348.10	70.90	43.70	126.95				66.89	656.04	187
Total		91.1		\$ 12,122.06	\$ 6,153.87	\$ 1,816.38	\$ 7,100.39			\$ 2,704.34	\$ 29,057.84	\$ 329	
Pottawattamie	1	17.0	E	\$ 7,505.11	\$ 2,687.09	\$ 279.18	\$ 166.89				\$ 921.69	\$ 19,959.87	\$ 645
	2	31.9	E	8,094.66	6,413.35	2,442.26	2,869.08				1,176.60	21,580.95	677
	3	36.6	E	16,393.91	6,542.86	4,316.49	3,176.91				1,403.76	31,748.93	867
	14			2,492.96	111.30	368.15	474.65					3,444.96	636
	5	5.8	E	1,460.46	1,386.90	464.85	161.85				216.17	3,688.13	636
	6	1.2	E	593.85	139.15	179.21	22.61				109.69	1,082.45	902
	7	1.1	P	484.96	509.50	90.33	5.40				93.92	1,274.11	1,158
	8	26.9	E	5,790.89	5,537.75	1,474.77	874.35				779.66	14,427.42	536
Total		139.5		\$ 43,292.30	\$ 22,817.30	\$ 9,604.24	\$ 7,741.59			\$ 4,732.49	\$ 88,207.82	\$ 732	
Poweshiek	1	.5	E	\$ —	\$ 146.30		\$ 6.50				\$ 2.38	\$ 118.96	\$ 230
	2	8.9	E	2,616.10	1,097.29	5.00	948.69				65.69	4,732.08	532
	3	16.0	G	6,069.15	1,037.56	398.64	3,963.47				121.74	10,911.55	682
	4	23.5	G	10,960.68	1,962.13	7.00	2,350.09				177.84	14,067.66	688
	5	18.6	E	3,922.29	1,162.61	216.70	1,851.23				210.65	6,943.43	373
Total		67.5		\$ 23,972.92	\$ 5,005.38	\$ 437.34	\$ 7,649.79			\$ 577.73	\$ 37,068.66	\$ 558	

*One-half of this will be paid by Jasper county. 130.25 miles withdrawn from Primary Road System, April 5, 1929.

Ringgold	1	12.7	M	\$ 2,943.34	\$ 1,142.98	\$ 264.69	\$ 255.63				\$ 230.94	\$ 5,456.38	\$ 430
	2	16.0	E	2,599.81	998.67	191.40	809.82				397.08	4,838.98	370
	3	12.4	G	3,120.90	1,377.60	215.95	104.14				223.76	5,042.41	407
	4	11.2	E	2,505.40	1,110.14	143.52	312.34				203.98	4,338.38	387
Total		52.3		\$ 11,222.45	\$ 4,597.06	\$ 1,405.86	\$ 1,011.93			\$ 924.80	\$ 19,102.15	\$ 466	
Sac	1	6.3	G	\$ 1,830.90	\$ 459.63	\$ 21.85	\$ 536.15				\$ 130.16	\$ 2,978.69	\$ 373
	2	.5	G	85.15	30.40	1.45	31.48				5.31	143.79	286
	3	21.1	G	8,505.29	1,548.17	118.38	2,373.32				400.90	13,006.15	616
	4	6.7	G	3,403.72	386.75	42.59	520.02				96.30	4,461.25	666
	5	20.5	G	8,839.54	1,472.34	211.87	1,557.78			\$ 95.15	411.69	12,577.22	614
	6	14.6	G	8,521.66	994.27	92.07	1,797.22				461.68	11,896.90	813
	7	18.8	G	4,567.13	1,034.29	167.76	1,918.85				169.80	7,848.43	417
Total		88.5		\$ 33,736.39	\$ 5,926.45	\$ 635.94	\$ 8,734.82			\$ 93.15	\$ 17,854.74	\$ 22,882.49	\$ 598
Scott	1	3.0	E	\$ 492.92	\$ 33.70	\$ 28.27	\$ 119.05				\$ 20.39	\$ 694.33	\$ 231
	2	1.2	G	356.18	34.06	1.51	93.83				8.16	466.74	411
	3	23.6	P	1,338.69	2,225.43	385.73	1,128.38				1,377.48	6,375.71	270
	4	46.9	P	4,406.77	6,202.63	1,032.62	1,342.36			\$ 5.85	1,769.65	15,268.89	333
	5	9.0	P	582.08	160.24	60.89	33.37	1,800.00			22.85	2,077.94	231
Total		82.7		\$ 7,169.61	\$ 8,665.03	\$ 1,537.59	\$ 2,716.89	\$ 1,205.85		\$ 487.11	\$ 3,067.53	\$ 24,900.68	\$ 301
Shelby	1	11.1	E	\$ 2,768.50	\$ 691.50	\$ 275.78	\$ 1,715.09				\$ 157.52	\$ 5,008.39	\$ 456
	3	12.3	E	3,965.71	368.24	219.61	1,094.43				184.49	5,472.39	445
	4	9.8	E	3,215.64	673.52	41.75	310.36				358.30	6,801.77	684
	5	14.5	E	3,496.13	2,455.58	2,047.28	789.42				5,782.79	14,571.39	1,066
Total		47.7		\$ 13,071.98	\$ 4,489.14	\$ 2,564.42	\$ 3,909.39			\$ 6,882.91	\$ 32,458.75	\$ 689	
Sioux	1	4.4	P	\$ 263.78	\$ 34.67	\$ 3.40	\$ 131.15				\$ 30.75	\$ 463.15	\$ 105
	2	27.0	G	4,973.74	2,398.99	777.94	635.55				399.99	9,118.88	359
	3	27.6	G	6,761.04	2,250.84	349.69	1,886.52				278.44	11,095.53	392
	4	13.8	G	4,394.19	898.70		678.36				115.10	6,066.35	439
Total		72.8		\$ 16,392.75	\$ 5,582.60	\$ 1,131.03	\$ 2,864.58			\$ 733.95	\$ 20,694.91	\$ 366	
Story	1	20.7	G	\$ 17,289.19	\$ 575.79	\$ 396.35	\$ 2,251.23				\$ 179.42	\$ 20,691.89	\$ 1,099
	2	9.5	G	10,221.43	232.30	378.31	489.86				99.78	11,391.68	1,199
	3	13.1	G	4,469.12	288.50	897.13	454.41				106.95	6,176.11	471
	4	12.8	G	6,158.42	222.90	122.38	134.88				87.09	6,725.67	525
	5	10.0	G	2,345.53	130.00	125.42	72.50				71.98	2,945.43	294
Total		66.1		\$ 49,683.69	\$ 1,449.40	\$ 1,879.59	\$ 3,402.38			\$ 515.22	\$ 47,690.78	\$ 725	

SCHEDULE NO. 43—Continued

County	Unit	Mileage	Classi- fication	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile
				Surfaces	Road Bed	Struc- tures	Snow Removal	Surface	Road Bed	Structures		
Tama	1	22.5	E	774.53	1,406.00	1,857.95	1,633.04		629.44		14,881.02	651
	2	6.6	E	1,371.96	4,466.40	1,585.04	1,682.04		4,000.36		14,073.78	561
	3	6.4	G	3,208.07	81.90	41.45	734.94		348.40		4,315.75	659
	4	6.3	G	1,991.50			1,483.45		197.00		3,492.00	554
	5	8.5	E	2,883.73	143.15	24.25	1,149.02		124.48		3,710.53	437
Total				\$ 28,410.37	\$ 2,472.10	\$ 1,610.00	\$ 6,159.32		\$ 1,306.10	\$ 40,320.32	\$ 578	
Taylor	1	12.9	E	5,818.82	1,727.46	60.74	133.30		212.60		5,004.51	462
	2	14.0	E	4,284.50	1,698.20	285.21	257.55		212.79		6,509.25	495
	3	6.2	E	1,913.45	775.11	17.82	79.30		73.84		2,853.52	460
	4	15.4	E	4,513.37	1,905.00	149.49	185.40		169.88		7,003.34	466
	5	1.0	E	239.28	131.19		15.72		25.14		468.19	466
Total				\$ 14,791.45	\$ 6,062.95	\$ 473.46	\$ 617.07		\$ 728.54	\$ 25,320.78	\$ 469	
Union	1	15.0	E	5,479.21	2,001.23	312.30	897.00		322.05		8,980.89	590
	2	8.2	E	2,916.10	1,052.34	111.64	482.47		513.55		4,969.52	468
	3	9.0	E	3,939.34	255.24	51.45	333.65		262.02		4,581.56	468
	4	10.4	E	1,458.73	1,059.15	4,603	79.57		172.01		2,308.54	259
	5	10.4	E	1,855.58	140.25	28.15	34.60		15.00		2,025.21	214
Total				\$ 12,664.64	\$ 4,574.69	\$ 890.74	\$ 1,496.60		\$ 66.50	\$ 21,329.16	\$ 469	
Van Buren	1	10.8	G	4,300.94	943.44	60.75	315.42		79.51		6,432.98	603
	2	8.7	G	1,674.73	324.50	23.50	137.50		347.09		1,990.23	222
	3	16.6	E	6,381.04	1,476.76	185.52	415.06		8,800.24		8,800.24	430
	4	17.2	E	5,112.89	1,855.33		682.35		210.45		7,812.04	430
	5	17.2	E	1,809.15								430
Total				\$ 17,199.10	\$ 4,300.23	\$ 410.52	\$ 1,341.02		\$ 210.45	\$ 24,492.79	\$ 500	
Wapello	1	8.6	M	2,020.20	865.90	12.48	250.00		296.07		4,154.65	500
	2	11.6	E	4,334.35	1,618.25	75.88	475.24		500.37		6,960.29	611
	3	11.6	E	5,744.25	1,671.07	17.68	475.24		500.37		8,490.50	741
	4	10.1	E	5,354.19	2,139.05	147.80	671.00		229.79		8,438.32	855
	5	5.4	E	1,475.55	725.14	105.70	89.00		135.59		2,728.58	505
Total				\$ 17,629.67	\$ 6,962.25	\$ 264.00	\$ 1,423.14		\$ 1,208.89	\$ 27,818.55	\$ 615	
Warren	1	12.9	M	3,700.95	1,317.25	145.26	624.70				6,011.45	463
	2	11.5	M	3,825.12	1,858.40	327.55	430.47				6,039.51	555
	3	9.8	G	1,085.02	229.61	192.00	229.79				1,736.42	238
	4	10.9	G	3,951.30	565.10	225.16	397.39				5,049.18	516
	5	10.9	E	1,432.07	1,462.09	62.35	1,793.19				5,184.01	392
Total				\$ 23,789.43	\$ 5,839.26	\$ 1,269.57	\$ 3,940.94		\$ 21.11	\$ 26.55	\$ 26,728.47	\$ 447
Washington	1	26.4	E	7,141.00	1,254.27	139.17	300.71				10,754.13	408
	2	12.1	M	4,465.70	500.41	40.03	27.20				5,270.41	460
	3	23.7	M	2,537.80	2,412.32	10.84	170.60				5,463.56	544
	4	25.2	E	5,875.75	945.17	574.17	84.81				7,897.55	316
	5	9.5	E	5,519.29	137.29	148.62	95.37				6,095.02	316
Total				\$ 23,559.60	\$ 6,274.30	\$ 965.43	\$ 528.85			\$ 1,004.57	\$ 37,773.95	\$ 389
Wayne	1	15.5	E	1,914.94	1,254.27	505.64	275.05				4,089.78	387
	2	9.2	E	5,241.25	267.52	149.72	218.24				6,296.58	698
	3	12.5	E	2,102.87	1,668.22	126.87	397.05				4,314.11	481
	4	15.1	E	3,144.22	1,114.72	101.48	181.47				5,221.94	384
	5	15.1	E	2,848.30	1,165.10	1,844.79	417.64				6,465.83	394
Total				\$ 17,864.18	\$ 4,323.29	\$ 2,130.74	\$ 1,226.33		\$ 318.55	\$ 281.50	\$ 27,451.00	\$ 469
Webster	1	12.1	G	8,017.63	765.30	128.71	1,132.15				10,044.66	789
	2	9.2	G	2,675.70	227.40	122.72	1,333.48				4,359.30	711
	3	12.5	G	3,149.45	267.52	149.72	218.24				3,785.13	808
	4	12.5	G	8,469.47	471.00	365.35	1,005.48				10,311.70	845
	5	16.0	G	5,854.91	727.10	315.62	772.65				7,670.28	540
Total				\$ 30,906.51	\$ 3,110.65	\$ 815.98	\$ 5,909.75		\$ 80.00	\$ 82.12	\$ 48,417.25	\$ 592
Winnebago	1	21.5	G	8,039.79	483.80	326.88	1,156.05				11,150.65	523
	2	6.5	G	1,600.22	218.15	41.85	1,211.02				3,130.97	480
	3	21.4	G	10,101.35	1,024.12	389.11	1,367.02				15,181.76	610
	4	60.3	E	20,443.65	1,786.77	787.84	3,774.89				27,462.25	536
	5	18.4	E	3,955.63	766.17	274.53	1,091.85				6,066.27	453
Total				\$ 46,140.73	\$ 6,264.01	\$ 1,526.21	\$ 6,874.83		\$ 6.29	\$ 3.30	\$ 61,976.16	\$ 612
Winneshiek	1	12.2	E	3,446.20	1,167.36	116.67	408.64				5,138.87	547
	2	14.7	E	2,499.25	1,014.20	314.31	385.64				4,313.40	453
	3	10.5	E	2,181.85	1,231.62	36.85	1,933.79				5,483.11	580
	4	10.5	M	4,331.12	701.34	33.89	5,916.14				10,982.25	539
	5	36.5	M	4,531.12	701.34	33.89	5,916.14				10,982.25	539
Total				\$ 21,701.75	\$ 4,600.35	\$ 285.00	\$ 15,928.29		\$ 1,406.02	\$ 6.29	\$ 41,376.10	\$ 522

SCHEDULE NO. 43—Continued

County	Unit	Mileage	Classification	Maintenance Proper				Betterments			Total Maintenance Proper and Betterments	Average Per Mile
				Surface	Road Bed	Structures	Snow Removal	Surface	Road Bed	Structures		
Woodbury	1	60.2	P	\$ 3,980.93	\$ 3,785.14	\$ 954.43	\$ 2,993.66		\$ 348.46	\$ 1,216.05	\$ 13,278.67	\$ 192
	2	17.3	E	4,038.76	1,617.15	419.65	311.15			327.56	6,714.27	388
	3	5.6	E	884.71	609.87	81.00	88.77			70.49	1,734.84	310
	4	7.7	G	1,235.45	440.90	58.90	153.50			92.94	2,011.69	391
	5	12.1	E	1,897.70	1,100.17	161.85	198.68			118.21	3,383.21	380
	6	8.0	E	965.43	897.29	5.65	70.73			94.93	2,694.00	354
Total		119.9		\$ 12,932.98	\$ 8,429.49	\$ 1,670.98	\$ 3,864.49		\$ 348.46	\$ 1,920.28	\$ 29,156.68	\$ 243
Worth	1	14.2	G	\$ 13,952.65	\$ 418.64	\$ 138.95	\$ 716.79			\$ 441.67	\$ 15,998.71	\$ 1,111
	2	24.0	G	4,815.30	697.28	75.85	804.46			378.59	6,944.00	289
	3	22.4	G	5,800.81	1,081.10	79.55	1,772.59			462.41	8,786.46	392
Total		60.6		\$ 24,161.77	\$ 2,167.02	\$ 293.86	\$ 3,293.84			\$ 1,482.68	\$ 31,309.17	\$ 518
Wright	1	10.0	G	\$ 3,977.09	\$ 319.02	\$ 14.80	\$ 1,299.73		\$ 40.00	\$ 259.54	\$ 5,999.88	\$ 594
	2	11.2	G	3,789.85	490.77	34.10	1,195.96		443.98	370.67	6,214.33	555
	3	10.5	G	2,832.70	591.59	289.17	1,044.25			285.11	5,042.82	480
	4	15.3	G	2,796.50	792.90	15.87	1,639.29			413.40	5,628.05	368
	5	10.8	G	1,877.05	466.04	34.37	917.27			308.15	3,692.88	342
Total		60.8		\$ 15,353.88	\$ 2,669.32	\$ 388.31	\$ 6,006.50		\$ 483.98	\$ 1,626.67	\$ 26,518.06	\$ 436
Grand Total		6,658.7		\$1,887,429.42	\$448,725.84	\$136,047.16	\$873,411.59		\$ 41,578.47	\$ 15,255.43	\$16,290,553	\$3,008,708.44

SCHEDULE NO. 44

STATEMENT SHOWING EXPENDITURES AND GRAND TOTAL BY COUNTIES
PRIMARY SYSTEM, DECEMBER 1, 1925 TO NOVEMBER 30, 1926

County	Miles	Classification	Superintendence				Total Maintenance Proper and Betterments	Grand Total Expenditures for Maintenance	Average Expenditure Per Mile	Total Appropriation for Budget	Balance in Budget November 30, 1926
			Salary	Expense	Transportation	Sub-Total					
Adair	57.9	E	\$ 1,945.38	\$ 48.28	\$ 456.49	\$ 1,559.16	\$ 23,739.16	\$ 25,549.22	\$ 438	\$ 29,173.00	\$ 3,823.78
Adams	35.2	E	674.91	98.10	4.40	746.51	16,916.76	16,765.27	476	21,685.00	4,321.73
Allamakee	89.8	M	673.27	132.27	598.04	1,313.58	24,546.74	25,860.32	301	36,000.00	10,139.68
Appanoose	37.5	M	857.73	39.83	295.59	1,214.05	25,575.05	26,789.10	466	30,000.00	3,245.90
Audubon	45.5	E	801.53	104.80	473.70	1,380.03	29,635.47	31,038.52	713	33,770.00	2,761.48
Benton	90.8	M	796.65	165.78	542.79	1,505.13	29,169.91	30,674.94	338	38,304.00	7,551.96
Black Hawk	72.5	M	1,187.92	148.12	456.50	1,792.54	35,505.51	37,298.05	514	37,500.00	306.95
Boone	78.0	G	1,401.81	157.82	835.20	2,394.83	35,447.02	37,841.89	485	49,129.00	11,278.15
Bremser	72.1	M	954.52	168.50	699.39	1,722.22	36,560.84	38,283.06	532	39,706.00	1,326.94
Buchanan	46.0	M	777.54	163.79	652.80	1,574.04	33,839.86	35,413.90	543	35,800.00	830.10
Buena Vista	67.4	G	675.26	90.48	396.63	1,161.97	24,333.81	25,515.78	379	34,017.00	8,501.22
Butler	60.3	M	808.31	186.09	499.40	1,483.80	38,080.97	39,578.77	571	41,000.00	1,421.23
Calhoun	73.5	G	2,176.56	222.06	853.99	3,352.61	34,557.30	37,909.91	505	50,707.00	12,797.09
Carroll	70.3	M	650.59	184.62	461.30	1,296.44	36,772.18	38,068.62	539	34,008.00	5,990.28
Cass	73.2	M	629.30	74.79	424.49	1,128.60	38,960.96	40,128.50	548	42,242.00	2,113.44
Cedar	75.6	E	873.84	186.41	318.48	1,378.73	35,246.92	36,775.65	486	36,855.00	49.35
Cerro Gordo	53.1	M	703.30	191.39	115.40	929.00	19,031.53	19,961.53	378	28,000.00	6,048.47
Cherokee	77.0	M	791.85	222.23	312.05	1,326.13	24,991.77	26,317.90	342	36,094.00	9,776.10
Chicago	45.7	G	1,182.93	176.99	512.17	1,872.09	27,921.74	29,798.83	642	34,500.00	4,706.17
Clark	44.8	E	1,239.30	177.87	461.00	1,861.17	22,739.44	24,591.61	529	24,950.00	358.39
Clay	53.8	G	949.50	54.93	334.99	1,329.36	32,438.85	33,768.21	628	43,169.00	9,389.99
Clayton	104.7	M	779.10	204.24	659.50	1,642.84	22,839.32	24,482.16	230	34,915.00	432.84
Clinton	81.1	M	622.00	174.82	384.50	1,181.92	34,296.54	35,478.46	590	39,965.00	4,516.54
Crawford	80.1	M	607.65	157.87	481.82	1,250.55	30,467.10	31,675.65	393	42,971.00	11,313.35
Dallas	86.0	M	1,061.87	108.33	394.69	1,474.90	46,118.93	47,593.73	555	56,345.00	8,751.27
Davis	47.4	M	1,184.15	128.28	151.10	1,463.53	25,175.88	26,639.41	590	27,842.00	3,202.59
Deaer	53.1	E	986.24	199.39	457.90	1,555.49	25,646.98	27,150.28	474	26,310.00	1,159.62
Delaware	59.1	M	508.83	154.58	210.20	873.61	29,887.92	30,761.53	529	37,245.00	6,483.47
Des Moines	39.2	M	817.56	265.52	372.60	1,255.68	24,610.21	25,865.89	630	26,174.00	307.11
Dickinson	41.5	M	932.97	78.85	282.30	1,414.32	25,836.94	27,251.26	637	33,271.00	6,019.74
Dubuque	85.7	M	1,153.42	184.33	522.80	1,817.55	39,189.91	40,527.96	496	50,009.00	9,472.14
Emmet	40.0	G	916.59	205.86	379.50	1,501.92	25,966.14	27,467.26	637	31,018.00	5,529.74
Fayette	106.2	M	1,407.59	222.49	656.40	1,686.59	44,466.39	46,153.88	545	49,215.00	3,041.12
Floyd	67.5	M	1,252.89	192.58	326.70	1,972.17	27,244.14	29,216.31	433	33,000.00	3,783.69

SCHEDULE NO. 44—Continued

County	Miles	Classi- fication	Superintendence				Total Maintenance Proper and Betterments	Grand Total Expenditures for Maintenance	Average Expendi- ture Per Mile	Total Appropriation for Budget	Balance in November 30, 1926
			Salary	Expense	Trans- portation	Sub- Total					
Franklin	42.5	G	508.41	129.31	160.40	747.12	20,016.85	29,763.97	489	30,500.00	9,736.03
Freemont	56.5	E	1,080.81	167.97	382.17	1,630.95	16,859.38	18,506.33	328	33,825.00	15,322.67
Greene	72.6	M	865.43	166.82	675.90	1,648.15	33,408.57	35,106.72	484	35,200.00	158.28
Grundy	64.2	G	757.06	132.57	623.60	1,533.25	18,909.63	20,442.73	318	31,000.00	10,557.22
Guthrie	70.2	M	888.36	123.70	356.00	1,368.00	37,401.11	38,824.17	568	41,000.00	2,176.83
Hamilton	67.5	G	875.22	186.66	512.50	1,574.08	39,708.63	41,282.11	612	43,300.00	2,077.89
Hancock	57.9	M	844.55	130.47	421.69	1,416.92	21,361.29	22,781.31	363	37,000.00	4,218.79
Hardin	65.8	G	1,354.82	119.24	306.40	1,780.47	41,795.35	43,575.72	602	45,000.00	1,424.28
Harrison	75.2	E	1,060.65	344.43	591.26	1,916.73	38,565.23	40,479.96	553	47,500.00	7,020.04
Henry	51.9	E	694.74	163.03	249.66	1,097.48	18,412.63	19,480.11	375	22,814.00	3,333.89
Howard	51.0	M	1,157.39	308.28	467.89	1,933.47	31,328.22	33,331.69	654	34,000.00	1,308.31
Humboldt	49.8	G	885.48	258.47	312.80	1,456.75	28,771.88	30,328.63	742	34,220.00	3,903.37
Ia	66.1	M	370.25	86.35	349.78	1,006.38	39,439.89	21,437.27	425	25,000.00	3,562.73
Iowa	66.1	M	894.16	188.32	323.30	1,315.79	34,334.57	35,650.36	530	36,500.00	890.64
Jackson	75.7	M	670.61	256.65	57.90	1,024.16	32,021.62	33,045.83	444	37,000.00	3,494.17
Jasper	88.2	M	734.75	130.47	332.00	1,197.22	31,316.94	32,513.29	399	50,000.00	17,486.74
Jefferson	46.1	M	1,030.72	113.92	129.50	1,284.14	20,930.11	22,216.25	422	25,350.00	3,133.75
Johnson	72.3	M	854.00	287.43	285.60	1,427.03	25,415.10	26,843.13	397	32,116.00	5,272.82
Jones	69.7	M	760.10	529.59	397.92	1,315.61	22,121.75	22,438.36	436	31,788.00	8,349.64
Keeok	77.4	M	1,236.34	205.54	10.30	1,502.18	37,437.15	38,430.23	503	39,300.00	420.67
Kossuth	88.7	M	1,347.52	72.50	400.30	1,820.22	47,374.86	49,103.06	555	68,274.00	19,078.92
Lee	82.8	M	748.59	141.67	140.27	1,030.53	47,907.48	48,938.19	591	49,505.00	566.81
Lincoln	96.8	M	1,358.31	222.30	598.00	2,208.61	40,543.74	42,751.35	442	45,275.00	325.65
Linn	82.2	M	286.89	114.31	135.40	682.21	25,833.56	26,644.77	510	29,720.00	3,085.23
Lucas	54.6	E	791.64	206.04	529.80	1,327.48	25,286.38	26,613.86	401	28,210.00	1,596.14
Lyon	66.1	G	437.39	86.39	319.90	843.68	18,514.89	19,358.57	332	27,320.00	7,961.43
Madison	56.2	E	790.00	123.94	132.05	1,015.99	28,943.63	29,989.60	534	30,655.00	615.40
Mahaska	85.9	M	1,055.34	165.77	332.90	1,554.01	36,784.10	38,338.17	451	44,200.00	4,891.83
Marion	96.3	M	921.79	149.17	111.10	1,182.06	37,232.12	38,678.43	522	41,570.00	3,891.57
Marshall	49.2	M	780.70	141.64	374.20	1,306.50	20,695.97	21,992.57	440	22,180.40	187.43
Mills	48.5	E	756.48	112.50	300.48	1,209.51	23,435.14	24,633.60	568	28,336.00	7,702.33
Mitchell	39.8	M	980.29	114.30	706.50	1,751.09	33,798.14	35,549.23	594	40,000.00	4,450.77
Monroe	67.9	M	627.89	189.01	481.40	1,298.34	22,550.61	23,867.85	351	29,979.00	6,121.15
Monroeville	67.7	E	1,058.55	134.25	312.92	1,495.72	29,017.90	30,423.62	442	32,410.00	1,886.30
Montgomery	52.9	E	1,237.62	301.69	331.73	1,871.04	33,548.94	35,421.98	460	33,187.00	2,234.98
Muscatine	94.3	M	1,199.66	176.41	129.04	1,505.11	36,363.29	37,768.70	399	46,325.00	8,616.30
*Average based on mileage prior to recent additions.											
O'Brien	78.7	M	614.34	225.02	286.26	1,136.52	16,569.56	17,600.08	240	24,465.00	6,785.92
Osceola	42.7	G	411.82	44.28	284.69	740.79	16,099.54	16,810.24	304	20,215.00	3,404.76
Page	66.8	E	1,124.23	278.49	412.10	1,815.82	29,490.53	33,306.36	469	38,176.00	6,870.45
Palo Alto	49.4	M	730.98	60.30	342.50	1,142.78	23,637.82	25,080.30	508	30,839.00	5,750.70
Plymouth	118.4	M	1,248.60	270.64	534.30	2,053.54	42,333.84	44,389.38	575	48,000.00	3,619.82
Pocahontas	61.2	G	1,164.31	187.28	451.00	1,802.59	41,688.75	43,486.34	670	52,345.00	8,868.66
Polk	91.1	M	969.33	198.22	649.50	1,817.05	29,967.04	31,774.09	349	38,200.00	6,425.91
Pottawattamie	130.5	M	1,698.00	694.16	331.77	2,723.93	88,207.82	90,931.71	1060	108,012.00	17,079.29
Poweshiek	67.5	M	792.65	130.69	598.69	1,451.95	37,693.60	39,145.61	480	40,225.00	1,079.39
Ringgold	52.3	M	1,157.36	188.43	446.74	1,792.53	19,162.15	20,954.68	401	27,450.00	6,496.32
Sac	88.5	G	2,133.01	195.10	458.98	1,800.69	52,882.49	54,691.58	618	57,048.00	2,336.42
Scott	82.7	M	1,336.09	164.01	220.70	1,719.80	24,099.98	26,629.78	322	27,445.00	815.22
Shelby	47.7	E	738.03	89.46	327.80	1,165.29	33,433.75	35,603.04	705	39,096.00	5,379.04
Sioux	72.8	M	610.54	166.24	541.90	1,318.68	26,604.91	28,015.59	385	30,680.00	6,068.41
Story	65.1	G	1,546.70	163.21	651.00	2,360.91	47,930.78	50,291.69	761	50,300.00	8.31
Tama	69.8	M	765.25	170.92	443.10	1,379.28	40,320.32	41,708.60	508	50,000.00	8,291.40
Taylor	49.5	E	1,165.18	196.30	466.71	1,818.19	23,205.78	25,021.97	505	29,030.00	4,008.03
Union	52.2	M	882.77	312.67	584.80	1,670.24	23,329.16	25,999.40	441	29,775.00	6,775.00
Van Buren	45.4	M	824.25	251.60	301.90	1,377.75	21,815.55	23,850.97	534	27,545.00	1,685.03
Wapello	43.1	M	923.68	106.87	345.73	1,376.28	27,815.55	29,194.83	677	29,925.00	1,769.83
Warren	82.2	M	847.88	201.11	119.61	1,168.70	39,728.47	37,897.17	461	47,000.00	3,792.83
Washington	86.8	M	787.34	184.83	118.22	1,090.39	33,775.95	34,896.34	402	48,745.00	13,878.66
Wayne	58.9	E	607.99	60.33	557.50	1,225.82	27,454.00	28,679.82	463	29,340.00	690.18
Webster	86.3	G	1,156.85	168.89	378.59	1,704.33	48,417.25	50,124.46	581	50,982.00	9,867.54
Winnebago	52.9	G	1,010.68	302.02	545.19	1,757.89	27,603.23	29,225.08	384	35,500.00	6,378.92
Winnesiek	82.4	M	1,100.60	399.53	288.50	1,888.60	41,376.10	43,059.95	523	45,000.00	1,940.76
Woodbury	119.9	M	849.87	184.16	566.00	1,537.03	29,156.68	30,693.71	252	39,030.00	8,326.29
Worth	67.6	M	811.10	108.16	618.10	1,537.36	31,329.17	32,895.93	544	35,000.00	2,663.47
Wright	60.8	M	1,508.59	279.69	408.89	2,188.08	36,515.06	38,706.14	473	38,500.00	9,766.80
Total	6,633.7		\$ 92,616.98	\$ 16,721.15	\$ 37,735.71	\$ 147,073.84	\$ 3,018,708.44	\$ 3,265,782.29	\$ 482	\$ 3,722,282.00	\$ 516,499.72
E—Earth, G—Gravel, P—Paving and M—Mixed (Embraces two or more classification). *Average based on mileage prior to recent reductions.											

SCHEDULE NO. 45

MEMORANDUM SHOWING AMOUNT OF GAS TAX COLLECTED BY THE TREASURER OF STATE AND CREDITED TO THE PRIMARY ROAD FUND, AS CERTIFIED TO THE HIGHWAY COMMISSION AND APPORTIONED TO THE COUNTIES FOR THE PERIOD DECEMBER 1, 1925 TO NOVEMBER 30, 1926

County	Square Miles	Amount
Adair	573	\$ 16,073.43
Adams	427	11,977.58
Allamakee	671	18,322.49
Appanoose	513	14,206.25
Audubon	443	12,426.75
Benton	712	19,272.56
Black Hawk	569	15,877.08
Boone	578	16,213.67
Bremser	434	12,174.30
Buchanan	547	15,005.16
Buena Vista	580	16,209.75
Butler	577	16,185.64
Calhoun	571	16,017.31
Carroll	573	16,045.36
Cass	564	15,250.86
Cedar	578	16,213.67
Cerro Gordo	575	16,129.56
Cherokee	572	16,073.43
Chickasaw	497	13,941.53
Clarke	428	12,005.90
Clay	573	16,073.43
Clayton	700	22,130.58
Clinton	709	19,388.43
Crawford	515	20,056.72
Dallas	593	16,006.41
Davis	502	14,081.78
Decatur	533	14,953.37
Delaware	571	16,017.31
Des Moines	435	12,034.04
Dickinson	411	11,520.13
Dubuque	616	17,270.63
Emmet	437	11,607.43
Fayette	724	20,309.19
Floyd	435	13,285.43
Franklin	578	16,213.67
Fremont	622	14,642.80
Greene	576	16,137.61
Grundy	501	14,063.74
Guthrie	547	15,746.47
Hamilton	570	15,580.28
Hancock	575	16,073.43
Hardin	569	16,091.33
Harrison	512	13,973.59
Henry	427	11,977.58
Howard	468	13,128.03
Humboldt	434	12,174.30
Ia	430	12,062.09
Iowa	582	16,353.96
Jackson	619	18,205.33
Jasper	730	20,477.50
Jefferson	431	12,060.14
Johnson	611	17,139.38
Jones	523	13,981.25
Keokuk	578	16,213.67
Kossuth	974	27,322.00
Lee	545	15,288.00
Linn	717	20,112.35
Louis	426	11,249.86
Lucas	432	12,115.18
Lyon	582	16,235.91
Madison	563	16,792.94
Mahaska	575	16,129.56
Marion	577	16,185.64
Marshall	572	16,045.36
Mills	447	12,528.97
Mitchell	463	12,967.17
Monona	752	19,850.37
Monroe	433	12,146.30

SCHEDULE NO. 45—Continued

County	Square Miles	Amount
Montgomery	424	11,806.78
Muscatine	456	12,763.96
O'Brien	569	15,981.23
Osceola	395	11,080.32
Page	531	14,806.20
Palo Alto	372	10,045.20
Plymouth	861	24,132.23
Pocahontas	389	10,289.75
Polk	506	16,718.62
Pottawattamie	958	26,873.19
Poweshiek	590	16,209.75
Racine	540	15,147.73
Ringgold	376	10,137.61
Scott	470	13,154.14
Shelby	569	16,222.27
Sioux	700	21,319.02
Story	567	15,905.11
Tama	730	20,190.67
Taylor	634	14,979.42
Union	427	11,977.58
Van Buren	490	13,745.17
Wapello	458	12,226.51
Warren	571	16,017.31
Washington	509	15,620.70
Wayne	524	14,028.92
Webster	723	20,281.14
Winnebago	369	11,129.50
Winnesiek	809	19,242.25
Woodbury	878	24,629.11
Worth	300	11,129.50
Wright	578	16,213.67
Total	66,147	\$ 1,575,000.00

SCHEDULE NO. 46

MEMORANDUM SHOWING TOTAL PRIMARY ROAD BONDS AUTHORIZED, ISSUED, PAID OFF, AND OUTSTANDING NOVEMBER 30, 1926

County	Bonds Authorized	Bonds Issued	Bonds Paid Off	Bonds Outstanding November 30, 1926
Appanoose	\$ 650,000.00	\$ 100,000.00		\$ 100,000.00
Benton	1,242,673.00			1,242,673.00
Black Hawk	1,500,000.00	1,500,000.00	100,000.00	1,370,000.00
Cedar	712,000.00			712,000.00
Cerro Gordo	750,000.00		520,000.00	230,000.00
Clinton	2,800,000.00	1,737,000.00	525,000.00	1,218,000.00
Des Moines	1,000,000.00	200,000.00		800,000.00
Dubuque	1,870,000.00	300,000.00		1,570,000.00
Floyd	1,000,000.00	671,500.00	300,000.00	328,500.00
Greene	1,000,000.00	780,000.00		220,000.00
Hancock	1,000,000.00	630,000.00	75,000.00	295,000.00
Jasper	870,000.00	250,000.00		620,000.00
Jefferson	895,000.00	225,000.00		670,000.00
Johnson	849,148.00	225,000.00		624,148.00
Kossuth	1,500,000.00	225,000.00		1,275,000.00
Linn	1,467,896.00	1,100,000.00	10,000.00	357,896.00
Mahaska	1,000,000.00	350,000.00		650,000.00
Marshall	800,000.00	800,000.00		
Muscatine	650,000.00			650,000.00
O'Brien	1,500,000.00	800,000.00	250,000.00	450,000.00
Polk	3,500,000.00	3,050,000.00	100,000.00	3,350,000.00
Scott	3,250,000.00	3,250,000.00	1,700,000.00	1,450,000.00
Tama	894,000.00			894,000.00
Wapello	1,000,000.00	200,000.00		800,000.00
Woodbury	3,570,000.00	2,500,000.00	625,000.00	445,000.00
Totals	\$ 33,575,637.00	\$ 19,844,500.00	\$ 4,584,000.00	\$ 13,260,500.00

*\$140,000.00, \$100,000.00, \$11,350,000.

Refunded under provisions Section 1, Chapter 215, 39th G. A.

SCHEDULE NO. 47

MEMORANDUM SHOWING ANTICIPATION CERTIFICATES ISSUED, REDEEMED
AND OUTSTANDING NOVEMBER 30, 1926

County	Issued and Sold	Certificates Redeemed	Outstanding November 30, 1926
Adair	\$ 60,000.00	\$ 60,000.00	
Adams	117,000.00	92,000.00	\$ 25,000.00
Allamakee	224,000.00	174,000.00	50,000.00
Appanoose	60,000.00	60,000.00	
Audubon	150,000.00	85,000.00	65,000.00
Benton	135,000.00	135,000.00	
Boone	214,500.00	207,500.00	7,000.00
Bremer	87,000.00	87,000.00	
Buchanan	215,000.00	215,000.00	
Butler	240,000.00	180,000.00	60,000.00
Calhoun	20,000.00	20,000.00	
Carroll	194,250.00	174,250.00	20,000.00
Cass	155,000.00	110,000.00	45,000.00
Cherokee	125,000.00	95,000.00	30,000.00
Chickasaw	245,000.00	208,000.00	37,000.00
Clarke	55,000.00	55,000.00	
Clayton	205,000.00	205,000.00	
Crawford	25,000.00		25,000.00
Dallas	225,000.00	225,000.00	60,000.00
Davis	92,000.00	35,000.00	57,000.00
Delaware	125,000.00	125,000.00	
Des Moines	184,000.00	164,000.00	20,000.00
Dubuque	197,000.00	197,000.00	
Payette	226,000.00	225,000.00	
Fremont	118,000.00	118,000.00	
Greene	119,000.00	119,000.00	
Grundy	290,000.00	226,000.00	64,000.00
Guthrie	227,700.00	247,700.00	80,000.00
Hamilton	301,000.00	255,000.00	46,000.00
Hardin	215,000.00	215,000.00	
Henry	60,000.00		60,000.00
Howard	154,500.00	154,500.00	
Humboldt	90,000.00	90,000.00	
Ia	147,000.00	107,000.00	40,000.00
Iowa	25,000.00		25,000.00
Jackson	115,000.00	75,000.00	40,000.00
Jasper	347,000.00	347,000.00	
Jefferson	80,000.00	80,000.00	
Johnson	70,000.00	70,000.00	
Keokuk	35,000.00		35,000.00
Kossuth	223,500.00	223,500.00	
Lee	228,000.00	182,000.00	46,000.00
Linn	181,000.00	181,000.00	
Lucas	114,500.00	80,500.00	34,000.00
Lyon	25,000.00		25,000.00
Madison	38,000.00	38,000.00	
Mahaska	228,500.00	156,500.00	72,000.00
Marion	35,000.00		35,000.00
Marshall	203,000.00	203,000.00	
Mills	105,000.00	105,000.00	
Mitchell	181,000.00	141,000.00	40,000.00
Monona	20,000.00	20,000.00	
Montgomery	80,000.00	80,000.00	
Muscatine	178,000.00	111,000.00	67,000.00
Page	182,000.00	113,000.00	71,000.00
Palo Alto	261,000.00	246,000.00	15,000.00
Plymouth	218,000.00	115,000.00	103,000.00
Pocahontas	72,000.00	72,000.00	
Pottawattamie	408,000.00	340,000.00	128,000.00
Poweshiek	65,000.00	40,000.00	25,000.00
Ringgold	138,000.00	138,000.00	
Sac	40,000.00	40,000.00	
Shelby	102,500.00	102,500.00	
Sioux	340,000.00	340,000.00	
Story	245,000.00	246,000.00	47,000.00
Tama	181,000.00	181,000.00	
Taylor	126,000.00	126,000.00	
Union	15,000.00		15,000.00

SCHEDULE NO. 47—Continued

County	Issued and Sold	Certificates Redeemed	Outstanding November 30, 1926
Van Buren	50,000.00		50,000.00
Wapello	117,000.00	117,000.00	
Warren	82,000.00	67,000.00	15,000.00
Washington	212,000.00	152,000.00	60,000.00
Wayne	30,000.00		30,000.00
Webster	264,000.00	225,000.00	
Winnebago	94,500.00	94,500.00	
Winneshiek	180,000.00	160,000.00	20,000.00
Worth	100,000.00	125,000.00	25,000.00
Wright	185,000.00	185,000.00	
Total	\$ 11,739,350.00	\$ 9,994,360.00	\$ 1,815,000.00

STATE	1926	1927	TOTAL
Alabama	1,000,000	1,000,000	2,000,000
Arizona	500,000	500,000	1,000,000
Arkansas	750,000	750,000	1,500,000
California	1,500,000	1,500,000	3,000,000
Colorado	1,000,000	1,000,000	2,000,000
Connecticut	250,000	250,000	500,000
Delaware	100,000	100,000	200,000
District of Columbia	50,000	50,000	100,000
Florida	750,000	750,000	1,500,000
Georgia	1,000,000	1,000,000	2,000,000
Idaho	500,000	500,000	1,000,000
Illinois	1,500,000	1,500,000	3,000,000
Indiana	1,000,000	1,000,000	2,000,000
Iowa	1,000,000	1,000,000	2,000,000
Kansas	1,000,000	1,000,000	2,000,000
Kentucky	750,000	750,000	1,500,000
Louisiana	500,000	500,000	1,000,000
Maine	250,000	250,000	500,000
Maryland	250,000	250,000	500,000
Massachusetts	250,000	250,000	500,000
Michigan	1,000,000	1,000,000	2,000,000
Minnesota	1,000,000	1,000,000	2,000,000
Mississippi	500,000	500,000	1,000,000
Missouri	1,000,000	1,000,000	2,000,000
Montana	500,000	500,000	1,000,000
Nebraska	1,000,000	1,000,000	2,000,000
Nevada	500,000	500,000	1,000,000
New Hampshire	250,000	250,000	500,000
New Jersey	250,000	250,000	500,000
New Mexico	500,000	500,000	1,000,000
New York	1,500,000	1,500,000	3,000,000
North Carolina	750,000	750,000	1,500,000
North Dakota	500,000	500,000	1,000,000
Ohio	1,000,000	1,000,000	2,000,000
Oklahoma	500,000	500,000	1,000,000
Oregon	500,000	500,000	1,000,000
Pennsylvania	1,500,000	1,500,000	3,000,000
Rhode Island	250,000	250,000	500,000
South Carolina	500,000	500,000	1,000,000
South Dakota	500,000	500,000	1,000,000
Tennessee	750,000	750,000	1,500,000
Texas	1,500,000	1,500,000	3,000,000
Utah	500,000	500,000	1,000,000
Vermont	250,000	250,000	500,000
Virginia	750,000	750,000	1,500,000
Washington	1,000,000	1,000,000	2,000,000
West Virginia	500,000	500,000	1,000,000
Wisconsin	1,000,000	1,000,000	2,000,000
Wyoming	500,000	500,000	1,000,000
Total	20,000,000	20,000,000	40,000,000

PART TWO

State of Iowa
PART TWO
 OF
REPORT OF THE
State Highway Commission
 FOR THE YEAR
January 1, 1926 to January 1, 1927
 ISSUED BY
STATE HIGHWAY COMMISSION
 Commissioners { J. W. HOLDEN, Chairman
 ANSON MARSTON
 CARL C. RIEPE
 AMES, IOWA
 FEBRUARY 1, 1927

INDEX

Table Number

1. Bridge and Road Work Expenditures—County Fund.
2. Bridge and Culvert Construction—Road Construction and Maintenance—County Funds.
3. Township Road Expenditures for Construction and Maintenance.
4. Classified Bridge and Culvert Construction.
5. Classification of Permanent Bridge and Culvert Construction for which Warrants were issued in 1926.
6. Classification of Temporary Bridge and Culvert Construction for which Warrants were issued in 1926.
7. Repairs to Bridges and Culverts and Culvert Material Purchased for Townships.
8. Bridge Equipment, Unused Material, Filling Bridges and Culverts and Special Cases.
9. Comparison of Bridge and Culvert Construction 1921-22-23-24-25 and 26.
10. Classification of Road Work.
11. Classified Road Construction.
12. Classified Road Maintenance.
13. R. R. Crossings, Gravel Pits, Right-of-Way and other Special Cases.
14. Progress and Condition Report, County Roads.
15. Secondary Road Districts Petitioned for and Established.
16. Gravel Pits.
17. Total and Relative Cost of Earth, Gravel and Paved Roads.
18. Road and Bridge Work Planned by and Constructed by County Engineers.
19. Cost of County Engineering.
20. Financial Statement—Bridge and Motor Vehicle Funds.
21. Financial Statement—County Road Fund.
22. Financial Statement—Township Funds.
23. Bonded Indebtedness.
24. Total Indebtedness for Road and Bridge Work January 1, 1927.
25. Classification of Township Road Work.
26. Progress and Condition Report, Township Roads.
27. Inventory of Equipment and Machinery showing Estimated Value January 1, 1927.
28. Mileage of Counties and Total Mileage of State.

PART TWO

SUMMARY OF ANNUAL REPORTS OF COUNTY ENGINEERS

INTRODUCTION

This summary is prepared from the Annual Reports of the County Engineers of the ninety-nine counties of Iowa and submitted in accordance with the provisions of Section 252—Code of 1924.

The County Engineers' reports include detailed statements of all county expenditures for road and bridge work, and also detailed reports of township expenditures in so far as County Engineers were able to obtain data from Township Clerks.

Statements of expenditures are based on warrants issued by the County Auditors for the year 1926. The County Engineers obtain the information contained in their reports from the following sources:

(a) Total expenditures from County Bridge, County Motor Vehicle Road, and County Road funds, from County Auditor's Warrant Register; Detailed classification of these expenditures from County Engineer's Claim Register.

(b) Financial statement of the receipts and disbursements in above named funds, from County Treasurer's ledger.

(c) Statement of county's indebtedness from records of County Auditor and County Treasurer.

(d) Statement of classified expenditures from all township funds, and financial statement of receipts and disbursements in said funds, from annual reports of township clerks.

This report includes a general summary of the activities of the ninety-nine counties, and twenty-eight summary tables showing in detail the expenditures for road work on the secondary system and bridge work on all roads paid for from county funds, and the present financial condition of the several counties.

Summary of Financial Statement for Entire State

ANNUAL REPORT OF COUNTY ENGINEERS
JANUARY 1, 1926 TO JANUARY 1, 1927

Total Expenditures:

During 1926, the counties and townships spent \$18,248,831.65 for road and bridge work on the 96,460.46 miles of road in the county and township road systems. The total expenditure for both road and bridge work is an average of \$189.19 per mile on the total mileage above named. The expenditures are classified as follows:

Bridge work paid for from county funds	\$ 5,218,844.20
Road work on county system	5,317,080.17
Road work on township roads	7,712,907.28
Total	\$18,248,831.65

The expenditure for bridge work alone averaged \$54.10 per mile. The expenditure for road work on the county system averaged \$460.33 and on the township road system \$90.84 per mile.

The following schedule compares expenditures for the past several years, according to purpose for which spent and according to the fund from which derived.

TOTAL EXPENDITURES FROM COUNTY FUNDS FOR ROAD AND BRIDGE WORK

	1922	1923	1924	1925	1926
Bridge work on both county and township roads	\$ 5,470,087.00	\$ 5,753,987.42	\$ 5,708,857.97	\$ 5,849,009.87	\$ 5,218,844.20
Road work on county roads	4,255,871.21	3,894,782.83	4,034,018.48	4,311,239.07	5,317,080.17
Road work on township roads	6,048,746.67	6,048,836.45	6,616,022.16	6,830,236.06	7,712,907.28
Totals	\$15,774,704.94	\$15,697,606.68	\$16,359,898.61	\$16,989,565.00	\$18,248,831.65

TOTAL EXPENDITURES FROM COUNTY AND TOWNSHIP FUNDS

	1922	1923	1924	1925	1926
County bridge fund	\$ 5,330,316.36	\$ 5,619,176.75	\$ 5,587,361.85	\$ 5,650,146.72	\$ 5,014,914.11
County road fund	4,388,646.14	3,949,407.23	4,121,386.02	4,376,088.73	4,968,063.20
Motor vehicle road fund	39,707.17	4,408.57			
Secondary road special assessments	30,274.00	79,242.67	95,337.95	44,008.75	373,215.45
Township funds	5,901,802.41	5,921,408.30	6,490,004.93	6,677,879.81	7,367,443.70
All other sources	72,719.80	93,968.07	65,417.37	251,456.61	559,195.21
Totals	\$15,738,154.94	\$15,697,596.68	\$16,369,498.61	\$16,989,565.00	\$18,248,831.65

Cash Balances January 1, 1927:

On January 1, 1927, there were cash balances on hand in the county and township road and bridge funds amounting to \$4,501,213.90 as follows:

County bridge fund	\$1,068,890.79
County road fund	1,426,374.50
Total county balance	2,495,265.29
Township road, drag and drainage funds	2,005,948.61
Total	\$4,501,213.90

Indebtedness:

On January 1, 1927, there were outstanding bonds, for road and bridge work, amounting to \$20,073,994.65 as follows:

Bridge bonds outstanding	\$12,531,247.72
Road bonds outstanding	7,542,746.93
Total bonds outstanding	\$20,073,994.65
Bonds issued during 1926:	
Bridge bonds	\$ 139,000.00
Road bonds	55,000.00
Total	\$ 194,000.00
Bonds retired during 1926:	
Bridge bonds	\$ 817,441.77
Road bonds	259,504.62
Total	\$ 1,076,946.39
Net decrease in bonds outstanding	882,946.39

TOTAL INDEBTEDNESS FOR ROAD AND BRIDGE WORK

County Bridge Fund

	January 1, 1922	January 1, 1924	January 1, 1925	January 1, 1926	January 1, 1927
Outstanding bills	\$ 81,996.71	\$ 325,144.18	\$ 80,491.11	\$ 83,139.03	\$ 49,386.60
Outstanding warrants	745,641.84	249,336.86	212,819.12	294,648.34	191,735.21
Outstanding bonds	13,908,429.05	14,272,651.08	13,767,626.46	13,439,691.00	12,531,247.72
Total bridge indebtedness	\$14,735,968.10	\$14,847,491.12	\$14,060,936.69	\$13,817,478.37	\$12,772,369.53

County Road Fund

	January 1, 1922	January 1, 1924	January 1, 1925	January 1, 1926	January 1, 1927
Outstanding bills	\$ 89,900.00	\$ 149,661.22	\$ 74,695.57	\$ 85,701.68	\$ 90,128.65
Outstanding warrants	1,047,281.22	417,019.94	111,479.04	95,496.93	86,373.70
Outstanding bonds	8,257,706.28	8,807,354.20	8,039,395.36	8,680,716.15	7,542,746.93
Total road indebtedness	\$ 9,394,886.19	\$ 9,374,026.36	\$ 8,125,570.00	\$ 8,661,914.71	\$ 7,719,049.18
Total indebtedness	\$24,130,854.29	\$24,221,517.48	\$22,186,506.69	\$22,479,393.08	\$20,491,418.71

COMPARISON OF EXPENDITURES FOR PERMANENT AND TEMPORARY BRIDGE CONSTRUCTION

	1922		1923		1924	
	Expenditures	%	Expenditures	%	Expenditures	%
Permanent bridges and culverts—county	\$ 2,479,448.25	71.61	\$ 2,755,908.20	75.81	\$ 2,566,561.04	73.17
Temporary bridges and culverts	543,335.34	15.69	455,650.71	12.54	498,672.81	14.22
Culvert materials furnished townships	439,884.30	12.70	423,421.79	11.65	442,641.17	12.61
Totals	\$ 3,462,667.89	100.00	\$ 3,634,980.70	100.00	\$ 3,507,875.02	100.00

	1925		1926		Five-Year Period	
	Expenditures	%	Expenditures	%	Expenditures	%
Permanent bridges and culverts—county	\$ 2,674,378.88	72.87	\$ 2,176,968.00	67.23	\$12,652,236.97	72.25
Temporary bridges and culverts	575,445.56	15.68	507,070.73	17.53	2,540,775.15	15.68
Culvert materials furnished townships	449,966.64	11.45	404,129.12	15.96	2,290,057.02	11.67
Totals	\$ 3,699,791.08	100.00	\$ 3,238,167.85	100.00	\$17,513,069.14	100.00

COMPARISON OF CLASSIFIED PERMANENT BRIDGE AND CULVERT CONSTRUCTION

No.		1922	1923	1924
		Amount	Amount	Amount
1	Concrete culverts (Box, Cir., Arch and Pipe).....	\$1,462,581.28	\$1,357,908.25	\$ 1,398,594.81
2	Headwalls and culverts lengthened.....	80,081.22	76,725.66	78,377.70
3	Concrete slab bridges.....	66,117.76	63,719.54	55,523.48
4	Concrete arch bridges.....	120,711.03	71,846.64	238.75
5	Concrete abutments.....	21,785.89	56,878.26	35,000.61
6	Concrete thru girders.....	4,519.46		
7	Concrete deck girders.....	41,516.07	38,886.36	29,735.81
8	Retaining walls.....	3,374.70	1,365.47	
9	I-beam spans—concrete abutments.....	222,928.17	445,813.51	384,807.69
10	Steel girders—concrete abutments.....	18,348.68		194.39
11	Pony truss—concrete abutments.....	367,853.10	373,687.11	300,432.58
12	High steel trusses—concrete abutments.....	164,335.82	65,101.82	178,866.51
13	Miscellaneous permanent construction.....	5,264.45	23,535.24	14,439.47
	Totals.....	\$2,479,448.25	\$2,755,908.20	\$ 2,566,561.04

COMPARISON OF CLASSIFIED TEMPORARY BRIDGE AND CULVERT CONSTRUCTION

No.		1922	1923	1924
		Amount	Amount	Amount
1	Concrete pipe culverts.....	\$ 37,686.70	\$ 37,739.61	\$ 36,713.41
2	Corrugated pipe culverts.....	112,564.03	84,062.14	86,279.87
3	I-beam spans—piling abuts.....	42,900.50	43,904.09	22,052.67
4	Pony truss on piling—wood floor.....	71,084.07	37,206.18	83,080.85
5	Wood pile bridges.....	237,371.24	238,969.53	246,378.26
6	Miscellaneous temporary bridges and culverts.....	41,725.80	23,059.13	20,167.75
	Totals.....	\$ 543,335.34	\$ 455,650.71	\$ 498,672.81
	Grand totals.....	\$3,022,783.59	\$3,211,138.91	\$ 3,005,236.41

COMPARISON OF CLASSIFIED TEMPORARY BRIDGE AND CULVERT CONSTRUCTION

No.		1925	1926	Five-Year Period
		Amount	Amount	Amount
1	Concrete culverts (Box, Cir., Arch and Pipe).....	\$1,340,629.04	\$1,271,962.66	\$ 6,811,727.04
2	Headwalls and culverts lengthened.....	85,968.00	73,209.04	294,552.28
3	Concrete slab bridges.....	97,201.91	66,964.69	338,027.38
4	Concrete arch bridges.....			194,887.45
5	Concrete abutments.....	46,754.08	29,566.13	183,024.92
6	Concrete thru girders.....			4,919.46
7	Concrete deck girders.....	38,973.64	36,642.88	185,753.29
8	Retaining walls.....			4,740.22
9	I-beam spans—concrete abutments.....	346,363.02	256,116.04	1,637,583.40
10	Steel girders—concrete abutments.....			18,348.83
11	Pony truss—concrete abutments.....	490,781.15	280,225.20	2,611,971.30
12	High steel trusses—concrete abutments.....	170,064.80	112,306.19	600,735.14
13	Miscellaneous permanent construction.....	60,205.58	51,284.51	154,277.25
	Totals.....	\$2,674,378.88	\$2,176,968.00	\$12,652,236.97

COMPARISON OF CLASSIFIED TEMPORARY BRIDGE AND CULVERT CONSTRUCTION

No.		1925	1926	Five-Year Period
		Amount	Amount	Amount
1	Concrete pipe culverts.....	\$ 37,575.32	\$ 39,426.40	\$ 100,128.56
2	Corrugated pipe culverts.....	74,779.65	98,995.10	452,368.79
3	I-beam spans—piling abuts.....	82,740.45	77,373.41	273,571.19
4	Pony truss on piling—wood floor.....	65,037.16	35,900.26	232,438.52
5	Wood pile bridges.....	266,806.54	316,490.47	1,300,090.04
6	Miscellaneous temporary bridges and culverts.....	48,303.47	23,442.99	156,899.14
	Totals.....	\$ 575,445.56	\$ 607,670.73	\$ 2,640,775.15
	Grand totals.....	\$3,249,794.44	\$2,744,688.78	\$15,202,012.12

CULVERT MATERIAL PURCHASED FOR TOWNSHIPS

Operating under the law which provides that counties may furnish townships with the materials for temporary culverts, the 1,608 townships were furnished material in 1926 at a total cost to the counties of \$494,123.12.

A summary of the cost of material of various classes furnished in 1924, 1925 and 1926 is as follows:

	1924	1925	1926
Corrugated pipe	\$313,721.75	\$284,360.68	\$354,801.64
Concrete pipe	55,939.06	65,958.93	71,341.40
Lumber	60,764.67	56,751.30	57,645.92
Miscellaneous material	12,215.69	12,915.73	10,334.16
Total	\$442,641.17	\$419,986.64	\$494,123.12

SUMMARY OF ROAD WORK AND EXPENDITURES FOR ENTIRE STATE

County Road Expenditures:

During the year 1926 the total expenditures for road work on county roads was \$5,317,080.17, or an average cost of \$460.33 per mile.

The above total expenditure does not include items amounting to \$179,061.72 listed under bridge work for filling of bridges and culverts but paid out of county road fund.

The classification of work, amount and percentage of expenditure for construction, maintenance and special cases is shown below.

Construction		Maintenance		R. R. Crossing Special Cases	
Amount	%	Amount	%	Amount	%
\$ 1,942,558.13	36.54	\$ 2,960,809.13	55.67	\$ 414,717.91	7.79

A total of 1,233.56 miles of county roads were constructed during 1926 as follows:

Class of Construction	Miles of County Road System
Built to permanent grade	402.65
Gravel surfaced	779.91
Hard surfaced	
Totals	1,233.56

Condition of the county road system January 1, 1927 was as follows:

Condition	County
Miles of earth road not built	7,007.45
Miles of earth road Built to permanent grade	717.80
Miles surfaced with gravel	3,223.42
Miles paved	1.00
Total miles in system	11,550.67

The total expenditure for repairing and maintaining county roads was \$2,959,809.13 of which \$1,542,077.98 was spent for patrol maintenance including dragging, \$740,172.02 for gang maintenance and \$677,559.13 for equipment and tools, or an average of \$256.25 per mile.

The comparative cost of maintenance of earth, gravel and paved road for the years 1924, 1925 and 1926 is shown by the following table:

	County System	
	Number of Miles	Average Cost Per Mile
Earth		
1924	9,119.37	222.00
1925	8,781.11	238.00
1926	8,335.25	259.00
Gravel		
1924	2,068.85	354.00
1925	2,500.66	237.00
1926	3,223.42	249.00
Paved		
1924	2.01	449.00
1925	1.99	115.00
1926	1.00	11.00

Township Road Work:

Reports from 1,350 of the 1,610 townships were received. Average expenditures for the 260 townships which did not report are included in tabulations in this report.

The 1,350 townships reporting show a total road expenditure of \$6,467,343.48 or an average of \$4,790.63 per township. In 1925 the average township expenditure was \$4,253.25. The township road work for 1926 is classified as follows:

Construction	\$ 1,594,106.56	20.4%
Maintenance	5,996,410.42	77.7%
Special cases	120,830.28	1.5%
Total	\$ 7,712,907.28	100.0%

The township expenditures reported are shown in detail in summary tables Nos. 3, 22 and 25.

Condition of the township road system January 1, 1927 was as follows:

Condition	Township
Miles of earth road not built.....	82,045.02
Miles of earth road built to permanent grade.....	276.40
Miles surfaced with gravel.....	3,588.37
Total miles in system.....	84,909.79

SECONDARY ROAD DISTRICTS

During 1926, under the provisions of Section 4746 Chapter 241 Code of 1924, 274 secondary road districts were petitioned for in 28 counties proposing the gravel surfacing of 1,210.00 miles of road, of which 197.00 miles was county and 1,013.00 was township.

190 secondary road districts were established, embracing 656.00 miles of road, of which 233.00 was county and 423.00 township. Contracts were let for graveling 598.00 miles, 179.00 on the county and 419.00 on the township system.

Graveling was completed on 568.00 miles of which 174.00 was county and 394.00 township.

The average cost of gravel surfacing completed on secondary roads was \$1,280.00 per mile.

One-fourth of the cost of graveling has been assessed against lands within the several districts. The average width of assessment districts was 1.66 miles and the assessment per acre was approximately 26 cents.

A more detailed showing as to the counties in which secondary roads were improved under the district plan will be found in Summary Table No. 15.

TOTAL ROAD MILEAGE

A check of the county and township road mileage was made following the passage of the Gasoline tax bill by the 41st G. A. and some slight changes appear as from time to time the roads are either relocated or taken into another system. This year it appears that there are 11,550.67 miles of county roads, 84,909.79 miles of township roads which together with the 6,653.70 miles of primary roads, makes a total of 103,114.16 miles in the state.

A detailed showing as to the mileage of each county will be found in Summary Table No. 28.

SUMMARY TABLE NO. 2 Expenditures for Bridges, Culverts, Road Construction and Maintenance County and Township Road System Shown by Funds—Annual Report of County Engineers

County	Bridges and Culverts				County Roads					
	Bridge Fund	Road Fund	All Other Sources	Total	Road Fund	Bridge Fund	Secondary District Special Assessments	All Other Sources	Total	Grand Total
	Adair.....	\$ 53,700.67	\$ 4,719.17	\$ 4,617.43	\$ 65,037.27	\$ 28,006.12			\$ 3,000.13	\$ 31,006.25	$ 96,043.52
Adams.....	37,368.40			37,368.40	28,698.42				28,698.42	66,066.82
Adair.....	55,889.87			55,889.87	33,880.97				33,880.97	89,770.84
Appanoose.....	8,556.43	9,117.32		17,673.75	10,997.35				10,997.35	28,671.10
Ashtabula.....	58,841.32	14,339.72		73,181.04	43,689.46				43,689.46	116,870.50
Beaumont.....	40,895.60			40,895.60	88,830.32				88,830.32	129,725.92
Black Hawk.....	56,403.01			56,403.01	85,406.91			5,161.83	91,568.74	148,150.28
Boone.....	48,608.61			48,608.61	88,830.07				88,830.07	137,438.68
Bremerton.....	43,301.30		2,021.00	45,322.30	59,944.10				59,944.10	105,266.40
Buchanan.....	22,129.56			22,129.56	47,729.97				47,729.97	69,859.53
Butler.....	63,479.44			63,479.44	79,309.00				79,309.00	142,788.44
Calhoun.....	84,897.97			84,897.97	67,041.11				67,041.11	151,939.08
Cass.....	67,679.12			67,679.12	47,729.97				47,729.97	115,409.09
Cedar.....	43,973.95			43,973.95	16,347.35				16,347.35	60,321.30
Cerro Gordo.....	56,768.61			56,768.61	34,887.87				34,887.87	91,656.48
Cherokee.....	65,745.58	878.19		66,623.77	89,064.13				89,064.13	155,687.90
Chickasaw.....	49,771.60			49,771.60	39,344.81				39,344.81	89,116.41
Clarke.....	20,536.62	9,170.38		29,707.00	10,370.95				10,370.95	40,077.95
Clay.....	39,843.22	271.10		40,114.32	51,845.96				51,845.96	91,959.28
Clayton.....	45,008.91			45,008.91	65,878.01				65,878.01	110,886.92
Clinson.....	105,498.46			105,498.46	75,789.04				75,789.04	181,287.50
Dallas.....	86,822.83			86,822.83	89,491.91				89,491.91	176,314.74
Dawson.....	42,329.34	3,683.20		46,012.54	43,305.14				43,305.14	89,317.68
DeWitt.....	45,729.07			45,729.07	35,689.90		8,790.43	14,917.99	50,597.89	96,326.97
DeKalb.....	89,396.57	300.00		90,696.57	22,645.91				22,645.91	113,342.48
Dodge.....	97,892.00	131.00		98,023.00	39,965.75				39,965.75	137,988.75
Dubuque.....	97,892.00			97,892.00	87,244.90				87,244.90	185,136.90

SUMMARY TABLE NO. 2—Continued

County	Bridges and Culverts			County Roads			Grand Total		
	Bridge Fund	Road Fund	All Other Sources	Total	Road Fund	Bridge Fund		Secondary Road District Special months	All Other Sources	Total
Zemmet.....	14,362.26			14,362.26	17,178.21				17,178.21
Fayette.....	51,227.00	1,497.20	10.00	52,724.20	56,853.98	200.10		13.26	57,054.14
Floyd.....	2,714.00	231.75		2,945.75	2,945.75				5,891.50
Franklin.....	41,310.00		2,672.24	43,982.24	27,007.50		3,740.20		30,747.70
Freemont.....	39,008.08			39,008.08	49,992.02			6,938.78	56,000.80
Greene.....	39,206.07	80.00		39,286.07	26,475.07				65,761.14
Guthrie.....	29,710.72			29,710.72	72,535.61			8,607.00	80,848.33
Hancock.....	23,431.97			23,431.97	72,535.61				95,967.58
Harlin.....	61,001.58	1,292.00		62,293.58	41,423.91				103,717.49
Harrison.....	32,272.18			32,272.18	22,191.71				54,463.89
Henry.....	44,625.27			44,625.27	25,745.00				70,370.27
Howard.....	22,058.90			22,058.90	30,720.00				52,778.90
Iaia.....	55,013.41			55,013.41	46,838.50			5,201.47	107,053.41
Iowa.....	55,004.90			55,004.90	43,704.05				98,708.95
Jackson.....	60,873.07	51.00		60,924.07	25,745.02				86,669.09
Jasper.....	102,702.00	9,871.20		112,573.20	59,671.13				172,244.33
Johnson.....	45,048.29	43.00	18,477.83	63,569.12	55,333.75	3,882.64			122,775.51
Keokuk.....	72,140.57	822.84		72,963.41	46,121.03		4,820.12		123,804.56
Kossuth.....	56,646.54			56,646.54	34,903.25				91,549.79
Linn.....	60,150.83	379.80	82,110.62	142,641.25	52,487.07		4,356.25		199,484.57
Louisia.....	22,062.44			22,062.44	39,305.51			211,141.00	272,508.95
Lucas.....	38,179.62			38,179.62	26,479.40				64,659.02
Lyon.....	89,607.50	2,143.70		91,751.20	52,522.22				144,273.42
Mason.....	55,004.18			55,004.18	37,282.80				92,286.98
Marion.....	42,346.50	3,700.61		46,047.11	33,506.52				79,553.63
Marshall.....	42,346.50	357.04		42,703.54	51,132.68	2,140.71		246.86	96,323.79
Total.....	85,005,901.02	\$ 28,220.86	4320,741.82	\$ 113,547,463.70	\$ 4,822,825.34	\$ 89,033.00	\$ 94,428.41	\$ 898,770.23	\$ 119,330,924.37

Mills.....	69,084.44			69,084.44	22,329.69				91,414.13
Monroe.....	44,421.20			44,421.20	49,792.79				94,213.99
Montrose.....	34,373.74			34,373.74	54,427.10	1,333.24		10.74	89,934.88
Montgomery.....	50,619.56	1,976.90		52,596.46	25,225.48				77,821.94
Muscatine.....	19,322.01	174.58		19,496.59	50,405.14			16.50	69,902.23
O'Brien.....	48,320.73			48,320.73	13,507.54				61,828.27
Pocahontas.....	22,114.74			22,114.74	41,024.71				63,139.45
Pottawattamie.....	37,302.88			37,302.88	22,979.41				60,282.29
Polk.....	79,918.19	61.68		80,079.87	37,656.41		9,725.08		127,461.36
Pottawattamie.....	40,325.80	3,157.58		43,483.38	177,462.40	1,706.10			222,651.88
Preble.....	64,106.29			64,106.29	55,341.87				119,448.16
Ringgold.....	38,982.45			38,982.45	50,224.22				89,206.67
Sac.....	36,342.46			36,342.46	36,156.29				72,498.75
Scott.....	162,829.57	5,605.21		168,434.78	108,465.18				276,899.96
Shellsby.....	100,213.40			100,213.40	85,532.27				185,745.67
Sioux.....	79,005.54	631.00		80,636.54	25,903.05		5,609.48		112,149.07
Tama.....	88,002.70			88,002.70	78,232.80				166,235.50
Taylor.....	19,770.35			19,770.35	38,947.22			12,286.00	71,003.57
Union.....	18,370.82			18,370.82	69,825.03				88,195.85
Vanmosen.....	8,677.10			8,677.10	51,900.29				60,577.39
Wadena.....	9,801.00			9,801.00	34,450.64				44,251.64
Washington.....	60,240.00			60,240.00	18,823.02				79,063.02
Wayne.....	46,089.08			46,089.08	95,347.87				141,436.95
Webster.....	8,801.00			8,801.00	26,827.57				35,628.57
Wells.....	60,240.00			60,240.00	52,600.94				112,840.94
Winneshiek.....	47,801.21			47,801.21	33,458.14				81,259.35
Winneshiek.....	31,908.19			31,908.19	96,486.14				128,394.33
Winneshiek.....	49,450.00			49,450.00	38,104.30				87,554.30
Woodbury.....	85,702.56	42.20		85,744.76	159,922.63				245,667.39
Worth.....	36,042.53	33.10		36,075.63	62,173.54				98,249.17
Wright.....	38,516.58			38,516.58	62,173.54				100,690.12
Total.....	85,005,901.02	\$ 28,220.86	4320,741.82	\$ 113,547,463.70	\$ 4,822,825.34	\$ 89,033.00	\$ 94,428.41	\$ 898,770.23	\$ 119,330,924.37

SUMMARY TABLE NO. 3

Expenditures for Road Construction and Maintenance on Township Road System Shown by Funds—Annual Report of County Engineers

County	Twp. in County	Reporting	Township Road Fund	Township Drag Fund	Township Drainage Fund	County Funds on Twp. Roads in Secondary District	Secondary Road Dist. Spec. Assessment Funds	All Other Sources	Total
Adair	18	14	\$ 37,067.12	\$ 12,788.43	\$ 1,236.15			\$ 51,096.70	
Adams	12	11	28,204.03	9,945.59	49.00			38,204.62	
Allamakee	18	10	26,009.62	6,238.27				34,307.89	
Ankeny	17	17	40,031.78	12,759.42	884.24			53,625.54	
Benton	20	16	23,734.15	7,396.16			\$ 125.97	31,456.28	
Black Hawk	18	18	61,637.45	13,292.95	2,828.59			114,615.67	
Bloomer	17	17	96,867.73	12,616.68	21,772.67	\$ 22,213.31	\$ 22,213.31	162,695.60	
Buchanan	14	9	36,232.97	6,231.68	1,501.21			43,965.86	
Buena Vista	16	15	51,817.75	12,264.21	4,302.65			68,404.61	
Butler	17	13	57,363.49	9,814.07	7,950.13	47,673.04	22,583.68	129,187.32	
Calhoun	16	16	65,943.11	11,554.30				84,196.41	
Carrroll	16	16	71,415.34	13,144.00				107,511.86	
Cass	16	15	30,678.29	14,278.12	1,112.62			66,069.03	
Cedar	16	13	43,017.02	14,167.09				67,184.71	
Cerro Gordo	17	13	40,363.57	15,964.80	113.11			66,441.48	
Cherokee	16	16	59,827.29	12,454.43	14,809.29	5,908.00	3,968.03	95,137.06	
Chickasaw	16	14	45,458.85	12,765.19				59,779.87	
Clarke	12	12	63,607.42	12,827.23	5,620.57			82,055.22	
Clay	12	9	20,428.54	8,890.22				29,318.76	
Clayton	16	15	48,296.48	10,317.45	3,165.41			61,779.34	
Clinton	20	16	30,611.42	9,031.98	4,437.05			44,070.45	
Crawford	20	16	56,048.26	17,000.74	1,845.42			75,894.42	
Dallas	20	14	50,429.09	19,630.42	11,911.28			82,010.79	
Davis	16	16	79,564.28	19,492.91	9,800.77	6,171.36	6,171.36	121,170.68	
Decatur	15	15	36,186.72	12,300.35				48,387.07	
Delaware	16	12	30,234.93	7,537.12	148.74			37,920.79	
Des Moines	16	15	60,070.59	9,548.33	1,443.43			71,062.35	
Dickinson	18	13	30,228.01	16,306.09				61,392.65	
Dubuoque	12	8	22,008.96	5,092.89	14,197.53			46,311.70	
Emmet	17	17	65,007.92	15,011.51				78,109.43	
	12	10	20,888.90	5,234.10	8,606.92	37,294.20		68,034.27	
Fayette	30	14	30,616.47	13,692.79	2,034.82			66,304.08	
Floyd	12	12	56,270.94	9,714.94	16,329.12			82,315.00	
Franklin	16	13	48,073.26	14,730.75	11,079.70		815.81	73,889.52	
Fremont	15	14	34,275.71	17,779.57	1,781.42			53,836.70	
Greene	15	14	35,639.12	24,361.01	28,096.87			88,107.00	
Grundy	14	14	40,950.15	10,975.74	1,427.75			53,353.64	
Guthrie	17	17	61,228.52	15,223.34	1,309.74			86,861.13	
Hamilton	16	16	47,008.41	14,048.45	13,338.43	1,334.27	1,334.26	75,063.29	
Hancock	16	15	46,056.27	11,569.64	13,613.74			71,239.65	
Hardin	15	14	55,266.86	15,102.61	4,191.79			74,561.26	
Harrison	20	19	63,947.86	18,429.61	5,811.17		1,886.08	90,074.72	
Henry	12	8	20,536.51	9,471.14	519.24			31,006.89	
Howard	12	12	42,580.89	9,413.99	3,802.02			55,796.90	
Humboldt	12	10	22,923.48	7,854.31	7,414.10	7,515.06	29,517.88	65,224.73	
Iowa	12	9	32,137.76	7,348.30				39,286.06	
Jackson	16	16	56,488.67	18,558.89	624.05			76,022.14	
Jasper	19	13	36,795.37	12,178.47	1,176.47		1,279.96	48,973.84	
Jefferson	19	6	21,423.91	7,596.36	1,110.54			30,131.81	
Johnson	12	12	48,369.69	13,076.19	1,191.20			62,637.08	
Jones	21	13	36,272.24	13,346.67	4,083.77			53,702.68	
Keokuk	16	12	43,929.11	8,811.35	8.10			52,745.56	
Keosauqua	17	17	61,893.67	20,017.37	2.70			81,883.74	
Kossuth	18	14	25,613.45	7,213.04	18,141.15			39,967.61	
Lee	15	13	40,148.66	15,614.01	24.98			55,787.47	
Linn	30	18	86,614.04	18,474.24	2,067.30	4,900.26	4,876.33	115,825.98	
Louis	12	9	25,540.76	10,045.25	471.37			36,057.38	
Lyon	12	11	32,137.46	12,461.71				44,599.19	
Madison	18	18	43,088.00	6,163.59				49,251.59	
Mahaska	18	18	58,624.53	20,838.76	2,198.72			81,662.01	
Marion	15	12	65,158.79	21,692.07	9,401.60			96,252.46	
Marshall	18	14	38,182.58	11,808.72	2,294.09		2,224.72	51,505.11	
Mills	13	15	32,654.91	13,383.96	2,374.65		1,790.33	50,103.85	
Mitchell	16	14	35,551.94	5,029.32	965.16			41,547.42	
Monona	19	14	89,176.33	8,776.60	3,515.45			101,468.38	
Monroe	12	12	34,126.60	10,670.19	59.75			44,856.54	
Montgomery	12	12	26,239.44	13,255.00	4.40			39,699.59	
Muscatine	14	14	39,467.24	16,282.05	732.38			56,481.67	
O'Brien	16	15	37,585.68	15,659.22	1,827.39	1,823.38	1,823.38	57,718.05	
Osceola	12	15	29,953.30	5,473.67	7,875.97			43,302.94	
Page	16	13	32,019.34	14,720.24	805.55			47,545.14	
Palo Alto	16	13	39,321.32	8,059.11	15,544.90	17,993.88	15,106.73	80,765.93	
Plymouth	24	14	43,863.86	13,006.26				56,870.12	
Pocahontas	18	17	66,639.21	11,126.85	10,278.57	165.74	165.74	88,361.11	
Polk	19	11	29,651.82	10,259.64	4,319.82			44,231.10	
Pottawattamie	29	14	70,126.25	14,253.39	1,365.44			85,745.08	
Poweshiek	16	13	47,308.84	13,115.43	5,250.94			65,765.21	

SUMMARY TABLE NO. 3—Continued

County	No. Twp. in County	No. Twp. Reporting	Township Road Fund	Township Drainage Fund	Township Funds on Twp. Roads in Secondary District	Secondary Road Dist. Spec. Assessment Funds	All Other Sources	Total
Ringgold	17	12	22,041.15	5,649.00				27,690.15
Sac	16	16	60,065.46	14,687.66	2,363.34	2,243.62	2,780.66	91,680.74
Scott	15	15	70,271.07	16,667.10	650.94			92,589.11
Shelby	16	16	59,496.48	21,896.49	2,410.28			83,803.24
Sioux	22	22	70,415.47	13,318.56		7,589.00		91,323.03
Story	16	14	61,878.18	12,591.55	10,410.60			84,880.33
Tama	21	16	61,064.95	15,476.99	4,517.25		1,196.00	82,255.19
Taylor	12	9	24,312.00	7,904.86				32,216.86
Union	14	14	35,233.78	7,715.01				42,948.79
Van Buren	14	14	40,789.26	14,250.02	328.00			55,297.88
Wapello	16	14	44,633.06	15,682.05	900.19			61,215.30
Warren	15	13	53,589.58	21,599.88				75,189.46
Washington	16	12	26,328.08	11,031.92	408.35			37,768.35
Wayne	22	19	70,286.45	15,305.22	14,072.89	3,656.34	10,988.73	118,960.63
Webster	12	12	40,742.22	8,742.83	11,973.53			61,458.58
Winnebago	20	11	35,504.54	9,750.16			1,181.38	46,526.08
Winneshek	23	15	49,509.60	13,781.80	6,700.90			69,992.30
Woodbury	12	11	30,748.96	6,026.16	3,378.80		100.00	42,253.92
Worth	16	12	47,428.69	7,574.49	12,386.01		706.68	68,247.77
Wright	16	12						
Total reported	1,619	1,350	\$4,514,440.39	\$1,247,175.33	\$ 416,063.37	\$ 153,508.81	\$ 112,030.17	\$ 6,467,243.48
Not reported, estimated		200	800,448.67	240,197.00	80,128.88	29,582.02	21,576.16	1,245,563.80
Grand total	1,610	1,610	\$5,383,889.06	\$1,487,372.33	\$ 496,192.25	\$ 183,190.83	\$ 133,606.33	\$ 7,712,907.28

SUMMARY TABLE NO. 4

Expenditures for Bridges and Culverts, Primary, County and Township Roads—Classified—Annual Report of County Engineers

County	Permanent Bridges and Culverts	Temporary Bridges and Culverts	Repair Work	Culvert Material Purchased for Townships	Equipment and Unused Material	Filling Bridges and Culverts	Special Cases	Total
Adair	\$ 15,117.03	\$ 10,656.64	\$ 11,388.07	\$ 11,864.62	\$ 7,969.54	\$ 4,719.17	\$ 327.50	\$ 65,057.27
Adams	2,392.77	9,021.41	6,895.40	7,079.11	6,839.62	361.50	4,865.59	37,348.40
Albany	33,434.94	844.56	14,974.20	3,547.83	692.12	832.70	1,328.95	55,084.87
Appanoose	2,637.83	14,900.02	15,778.40	12,988.00	6,931.70	3,146.25	1,032.15	58,516.15
Arden	9,902.04	27,217.34	6,647.23	6,926.00	7,797.00	14,394.73	197.00	73,172.06
Benton	13,461.15	8,543.05	6,445.02	9,005.41	1,555.91	61.00	1,812.95	40,885.99
Black Hawk	31,042.84	1,607.60	15,499.80	3,665.00	2,241.00	1,059.15	1,220.83	56,463.91
Boone	22,228.24	460.93	9,448.05	2,201.78	2,661.62	19,534.27	372.72	48,018.61
Bremser	29,118.68	1,831.30	12,516.91	4,350.49	11,637.04	1,040.95	467.29	60,892.25
Buchanan	17,769.26	10,263.12	9,000.42	5,114.07	173.82	806.95	77.65	43,204.29
Buena Vista	13,602.45	303.22	3,714.76	2,600.94	1,440.85		920.24	22,122.56
Butler	39,533.94	9,642.31	12,316.41	2,806.72	6,724.77	2,401.64	320.45	63,476.44
Calhoun	39,191.55	1,786.89	8,144.19	2,220.52	1,706.72	30.00	868.00	54,869.87
Carroll	57,452.43	8,066.58	8,574.92	10,728.16	5,132.41	2,375.22	3,673.30	96,054.12
Cass	15,655.25	9,479.70	30,621.15	8,328.00	2,306.25	3,072.45	5.00	57,479.80
Cedar	30,014.14		9,231.47	1,974.22		318.65	2,437.37	43,975.95
Cerro Gordo	42,314.98	1,094.46	3,320.01	3,354.48	4,661.38	416.00	1,596.20	56,723.61
Cherokee	47,094.04	608.72	6,079.33	6,433.77	2,623.00	1,664.00	1,410.85	60,123.77
Chickasaw	17,305.92	9,890.02	11,674.08	5,314.88	4,699.03	811.37	56.00	49,721.60
Clarke	7,439.10	3,243.29	4,051.60	9,490.49	2,130.30	7,086.53		35,098.27
Clay	13,553.10	9,786.59	2,786.42	3,206.05	187.86			30,619.62
Clayton	28,625.16	1,798.45	3,485.86	4,596.25	1,000.00	4,843.34	1,289.85	45,608.91
Clinton	26,427.69	2,728.24	11,427.80	7,989.26	1,468.20	1,254.53	4,162.65	55,698.46
Crawford	9,791.53	7,829.27	43,199.29	7,672.12	17,000.00	642.08	3,231.02	90,464.91
Dallas	27,148.17	1,208.72	15,568.68	7,304.89	3,709.14	2,362.68	295.30	54,881.89
Davis	18,705.28	435.97	19,982.27	1,468.84	4,634.61	2,351.29	2,135.32	46,281.44
Decatur	3,305.57	4,909.74	20,167.71	7,218.41	5,114.67	1,123.29	3,616.68	45,729.07
Delaware	19,217.44	8,146.07	3,983.35	8,802.70	449.16	912.65	100.00	36,541.36
Des Moines	7,572.00	219.58	12,730.11	3,461.88	5,287.16		1,125.48	30,306.27
Dickinson	1,473.00	222.94	155.15	1,220.77	824.00		155.00	4,062.59
Dubuque	68,131.05	1,276.98	11,537.56	6,545.89	1,850.00	2,786.28	6,221.90	97,865.66
Emmet	10,255.38	889.11	849.38	1,711.53	812.52	76.44		14,365.96

SUMMARY TABLE NO. 4—Continued

County	Permanent Bridges and Culverts	Temporary Bridges and Culverts	Repair Work	Culvert Material Purchased for Townships	Equipment and Unused Material	Filling Bridges and Culverts	Special Cases	Total
Fayette	49,908.85	165.41	9,765.67	2,834.14	7,960.58	4,435.40	10,634.87	85,734.96
Floyd	18,679.88	1,562.31	4,010.25	3,184.03	2,836.48		204.25	29,929.20
Franklin	17,736.39	576.31	9,327.02	3,634.50	3,189.19	151.40		34,716.98
Frederick	2,421.14	1,133.64	34,306.90	3,804.10	1,877.65	88.24	644.41	44,339.54
Greene	16,822.32	6,121.66	9,566.07	3,571.54	451.35	610.55	1,464.29	39,088.08
Grundy	22,681.34	4,495.85	5,375.73	3,414.80		1,801.35	1,806.00	39,475.07
Hathrie	12,423.03	12,080.61	12,659.66	4,584.87	9,957.14	4,554.33	731.86	56,091.73
Hamilton	34,905.62	77.35	3,797.35	1,639.33		99.30	132.00	39,710.35
Hancock	15,012.89	2,732.42	1,618.57	4,628.25	1,418.08	11.46		23,421.07
Hardin	29,334.48	7,371.31	19,339.44	1,715.09	4,354.52	2,221.98	2,638.69	65,293.38
Harrison	456.94	10,298.12	35,140.54	1,962.69	3,019.00		1,368.99	53,273.18
Henry	4,279.47	3,806.60	20,084.66	7,728.37	3,885.31		4,580.86	44,379.37
Howard	20,986.58	4,998.81	8,581.05	4,021.05	5,282.14	6,076.67	708.42	50,745.32
Humboldt	12,727.04	1,613.99	4,664.66	2,586.04	811.07	530.20		22,956.29
Iowa	21,324.41	1,321.50	18,741.27	6,789.64	6,120.33	2,480.15	2,137.01	68,915.41
Jackson	29,939.61	2,910.54	25,306.30	1,806.97	3,447.04		1,063.00	55,504.89
Jasper	7,914.70	7,984.73	33,802.90	8,138.37	2,107.50	305.60	7,029.37	66,373.07
Jeferson	71,199.25	1,186.44	24,749.02	189.94	210.19	2,381.50	2,901.62	102,817.96
Johnson	25,692.88	1,630.57	10,726.89	4,468.00	8,283.63	9,815.29	990.13	61,619.29
Jones	34,495.14	6,583.40	9,437.41	5,483.15	3,789.57	33.60	3,751.35	63,571.12
Keokuk	36,539.96	638.72	15,679.41	3,702.84		301.25	30.00	56,868.18
Kossuth	40,785.32	830.00	11,494.21	7,147.73	7,810.69	354.04	3,428.77	72,149.57
Lee	2,472.70	7,442.29	11,810.29	3,918.71	470.18	163.70	550.62	26,768.30
Lincoln	10,706.80	406.96	19,944.76	4,315.92	13,226.70	579.89		49,371.03
Linn	66,772.67	7,031.28	30,847.80	8,569.41	4,540.74	3,240.69	1,548.05	142,453.94
Louis	4,631.77	428.72	11,383.96	3,221.13	414.43		2,082.44	22,082.44
Lucas	9,833.73	1,361.35	33,039.57	6,398.28	1,831.54	566.07		53,179.52
Lyon	60,314.66	1,607.22	9,077.47	7,244.66	3,973.17	1,787.63	5,612.64	89,647.66
Madison	16,537.67	3,067.79	22,903.84	7,461.90	2,570.65	2,145.70		55,684.98
Mahaska	36,610.65	217.60	8,700.80	4,048.20	3,415.21	1,006.30	345.42	55,094.18
Marion	24,699.95	6,147.59	6,029.75	4,682.24	1,051.26	3,704.64	99.25	45,849.48
Marshall	28,712.90	1,289.14	4,427.76	6,605.06		99.58	601.78	42,008.90
Mills	5,376.82	6,871.90	16,855.63	5,461.49	3,573.88	576.63	2,316.07	40,934.44
Mitchell	32,196.62	3,104.28	19,072.62		768.28		302.05	76,348.25
Monona	2,391.81	3,357.94	30,316.50	6,056.50	249.14	971.89	1,099.80	41,474.49
Monroe	7,232.21	7,627.20	15,688.95	4,470.08	155.75	2,463.51	2,288.36	39,849.00
Montgomery	10,685.66	9,854.63	14,631.57	6,322.18	2,155.22	1,685.57	2,631.33	52,596.46
Muscatine	7,823.60	323.36	4,822.93	2,296.72	2,654.99		36.50	19,606.96
O'Brien	37,837.39	894.25	3,624.69	3,508.79	3,600.28	373.82	225.00	48,396.72
Osceola	22,612.75	3,373.92	817.47	2,640.86	2,426.39	122.75		32,114.74
Page	9,601.25	105.01	27,275.17	7,821.14	2,006.26	663.77	1,411.48	48,990.07
Paolo Alto	31,285.75		1,708.26	1,613.18		371.45	742.46	37,147.11
Plymouth	12,441.60	21,640.93	20,334.43	8,531.81	8,735.24	1,862.94	276.80	74,622.71
Pocahontas	24,332.37	2,986.21	5,835.95	2,254.85	1,036.81	1,410.25	2,819.36	40,255.80
Polk	43,991.83	6,957.70	20,754.48	7,123.70	1,000.48	3,156.88		88,676.07
Pottawattamie	2,969.82	32,966.73	19,066.30	4,365.07		475.00	3,901.92	66,156.29
Poweshiek	28,699.24		25,315.37	3,892.70		5,774.61	1,563.35	68,563.27
Ringgold		1,659.54	29,344.23	9,454.81	4,998.65		48.68	38,998.06
Sac	38,898.79		5,888.41	4,244.25	4,174.93		178.59	57,496.65
Scott	7,423.92	95.46	4,806.63	3,748.92	6,524.60		3,097.84	56,342.46
Shelby	2,884.92	106,981.88	13,930.18	8,890.42	14,088.52	13,679.68	7,133.58	168,495.18
Story	31,231.35	15,884.20	25,404.24	10,430.56	16,714.16	1,836.48	1,828.40	103,400.39
Tama	16,897.13	4,947.46	4,496.22	3,560.40	385.00	361.50	290.00	39,163.71
Taylor	49,167.35	975.32	3,726.17	7,128.57	3,988.85	939.80		74,022.56
Union	29,961.10	5,750.43	14,855.35	5,384.19	2,949.91		190.75	58,092.79
Van Buren	2,094.18	1,303.00	4,123.30	10,340.90	63.78	1,190.97	563.96	19,770.35
Wappello	10,115.12		24,194.51	2,904.22	1,085.97			38,299.82
Warren	9,156.79	30.36	18,039.15	2,346.78	9,079.50	3,977.10	2,540.24	46,089.92
Washington	21,630.45	5,521.91	9,255.00	5,439.89	3,943.39	8,961.00	8,478.81	61,299.94
Wayne	46,046.22	961.62	11,049.16	6,367.54	4,154.06			69,549.00
Webster	31,125.66	6,632.70	3,204.63	3,960.50	6,876.23		5,271.49	47,881.31
Winnebago	23,856.53	2,908.37	13,913.26	4,823.90	2,538.48	2,594.52	993.12	51,968.19
Winebush	503.10	936.10	6,934.14	1,633.44	1,015.72			10,106.40
Woodbury	28,307.21	2,181.27	14,885.00	2,703.50	826.05	403.95	230.83	49,436.42
Worth	15,906.39	30,556.50	20,906.96	9,601.99	6,191.92	314.32	2,721.98	85,792.56
Wright	18,400.00	2,442.17	2,604.28	1,211.82	1,007.41	35.75	176.49	26,676.02
Wright	30,313.00	62.14	1,309.09	5,465.72	527.50			38,216.56
Total	\$2,176,308.00	\$ 567,070.78	\$1,273,577.56	\$ 404,123.12	\$ 333,632.32	\$ 179,061.72	\$ 174,300.45	\$ 5,218,844.30

SUMMARY TABLE NO. 5

Classification of Permanent Bridge and Culvert Construction for Which Warrants were Issued in 1926—Primary, County and Township Roads—Annual Report of County Engineers.

County	Concrete Culverts	Head Walls Constructed and Culverts Lengthen'd	Concrete Slab Bridges	Concrete Abutments	Concrete Deck Cantilever	I-Beam Spans Concrete Abutments	Pony Truss Concrete Abutments	High Trusses Concrete Abutments	Miscellaneous Permanent Bridges and Culverts	Total
Adair	\$ 10,277.78						\$ 7,839.35			\$ 18,117.00
Adams	12,895.11	\$ 2,302.77								\$ 2,302.77
Allamakee	2,857.85	1,641.77	\$ 2,768.80			\$ 12,829.36			\$ 3,315.30	33,431.34
Appanoose	8,498.05	1,493.59								2,637.86
Audubon	13,461.15									9,062.04
Black Hawk	22,205.27	1,000.50	1,750.00			4,593.03	828.01			13,461.15
Boone	10,327.56		1,664.99				10,345.00			31,042.84
Bremer	15,029.93	168.96	829.81				15,001.00			22,238.54
Buchanan	16,864.50									29,118.66
Buena Vista	6,400.60	3,176.29								17,709.20
Butler	14,543.40					2,061.71			807.85	15,032.45
Calhoun	10,236.29					5,718.20	3,200.04	\$ 5,006.30		29,235.04
Carroll	19,541.35	212.60		\$ 240.96		9,557.40				30,161.55
Cass	15,635.25					4,007.00	32,791.48			37,452.43
Cedar	20,847.61	840.63								13,635.25
Cerro Gordo	9,065.50	2,913.70			\$ 17,474.78	5,716.00	4,115.00		1,024.78	30,014.14
Cherokee	23,790.46	672.34				22,631.24				42,314.98
Chickasaw	17,242.34									47,094.04
Clarke	7,430.10									17,205.92
Clay	8,838.50	289.10				3,864.50				7,430.10
Clayton	21,074.32									13,553.10
Clinton	3,690.39						7,600.84			28,025.16
Crawford	4,892.50					11,395.83	1,808.27	7,506.20		26,427.69
Dallas	18,801.55	2,071.10	6,276.62			4,809.65				9,791.53
Davis	13,708.23									27,148.17
Decatur	3,202.41	283.16				3,921.49	1,072.54	5,207.45		8,666.57
Delaware	9,135.95					3,218.44	1,700.00			10,217.44
Des Moines	2,159.62									7,272.00
Dickinson	1,472.00									1,472.00
Dubouque	15,283.77			7,417.38	14,749.11	9,322.44	12,275.50	8,882.85		68,131.05
Emmet	10,159.00								65.42	10,224.38
Fayette	29,248.00	543.95	105.13	5,275.48		4,200.00	14,590.24			45,058.86
Floyd	7,915.33	3,983.15					2,921.40			18,079.88
Franklin	5,971.54		2,477.95				9,298.60		10.07	17,738.36
Fremont	2,421.14									2,421.14
Greene	6,631.26	2,721.07	2,126.74				4,922.45			16,822.52
Grundy	13,676.39					4,705.25				22,681.34
Guthrie	6,485.73						5,594.33			13,423.96
Hamilton	9,213.66		4,402.19			21,319.17				34,936.02
Hancock	5,000.93		2,077.00	1,788.00	660.96					13,012.80
Hardin	20,367.89	1,112.91				3,130.80			1,772.88	26,364.48
Harrison	456.94									1,526.94
Henry	2,121.79			985.42					1,182.25	4,279.47
Howard	5,126.47	2,465.44		7,357.55		6,007.12				20,986.55
Humboldt								12,727.04		12,727.04
Ia	18,179.80					3,144.61				21,324.41
Iowa	15,359.13	1,504.99	1,908.00						2,136.80	20,909.01
Jackson	2,330.00						5,614.70			7,944.70
Jasper	42,412.47		13,132.12			9,599.47	9,900.19			71,150.25
Jefferson	24,598.21	1,094.97								25,693.18
Johnson	27,386.93	1,533.00				5,564.31				34,485.14
Jones	12,040.90							24,480.00		36,520.90
Keokuk	40,006.21	790.01								40,796.22
Kossuth	1,315.23			1,167.47						2,482.70
Lee	5,939.60	1,289.47				5,560.65				10,790.80
Linn	86,222.88	1,825.72				41.38	7,322.59			95,772.57
Louis	4,631.77									4,631.77
Lucas	8,837.39	900.34								9,822.73
Lyon	38,114.49	1,007.39	4,214.08			11,126.14	5,101.76			60,254.40
Madison	16,537.67									16,537.67
Mahaska	28,453.15	337.47					7,800.00			36,610.62
Marion	8,488.95						16,185.00			24,673.95
Marshall	18,739.82	1,811.02				5,024.14	2,322.01		9.00	28,712.99
Mills	4,782.10	406.72								5,278.82
Mitchell	16,814.88	438.55				3,180.40			32,453.19	53,196.03
Monona	1,956.11	326.70								2,282.81
Monroe	7,323.21									7,323.21
Montgomery	5,798.93	1,318.13								10,085.06
Muscataine	7,655.27	168.23								7,823.60
O'Brien	18,456.00	3,707.33				9,772.36	5,900.60			37,837.29
Oceola	11,300.68	3,712.97	6,677.10					802.00		22,492.75
Page	9,901.25									9,901.25
Palo Alto	5,355.20	1,810.67					9,469.33	16,981.27		31,297.73
Plymouth	10,456.98					1,107.27	816.81			15,441.06
Pocahontas	528.38		709.20			5,121.90	17,872.20		66.00	24,332.37
Polk	30,971.97	2,932.10	2,908.80				7,098.90			43,991.83
Pottawattamie	2,509.82									2,509.82

SUMMARY TABLE NO. 5—Continued

County	Concrete Culverts	Head Walls Constructed and Opened Lengthwise	Concrete Slab Bridges	Concrete Abutments	Concrete Deck Cattleways	I-Beam Spans Concrete Abutments	Pony Truss Concrete Abutments	High Trusses Concrete Abutments	Miscellaneous Permanent Bridges Culverts	Total
Adair	17,100.54					8,091.38	2,844.32			28,036.24
Adams	13,702.31	1,473.70		921.76		3,319.70	14,530.72			33,968.79
Adel	7,423.02									7,423.02
Adair	2,884.02	2,082.30				3,688.07	12,360.00			18,914.39
Adair	16,838.16	1,440.51				10,305.18	5,771.00			34,364.85
Adair	15,413.23	440.05								15,853.28
Adair	27,947.85	2,064.18		2,787.00						32,809.03
Adair	7,366.13	573.52				1,137.88				9,077.53
Adair	9,162.79	87.30	715.94			5,575.00		21,530.00		36,162.73
Adair	22,955.40	38.20								23,000.00
Adair	13,438.30	659.65	604.97				6,342.14			20,445.06
Adair	13,425.30						3,011.00		8,087.08	24,523.38
Adair	14,333.85	552.90				3,491.38				18,378.13
Adair	13,393.85	1,207.00								14,600.85
Adair	7,400.54	5,000.00			368.17	13,499.40	9,358.60			30,027.31
Adair	7,400.00									7,400.00
Adair										30,313.00
Total	\$1,271,002.06	\$78,299.66	\$55,001.60	\$24,506.13	\$36,612.58	\$276,116.04	\$859,237.26	\$12,260.19	\$31,284.01	\$2,176,308.00

SUMMARY TABLE NO. 10

Classification of Road Work—County Roads—Annual Report of County Engineers

County	Construction	Maintenance	Special Cases	Total
Adair	\$ 431.40	\$ 31,331.20	\$ 142.65	\$ 31,905.25
Adair		25,328.27		25,328.27
Adair		28,391.94		28,391.94
Adair	5,100.00	31,091.58	5,219.02	41,410.60
Adair	345.00	38,082.11	1,061.30	43,688.41
Adair		68,446.82		68,446.82
Adair	60,466.06	37,707.02	5,782.03	103,955.11
Adair	18,772.08	21,003.68	1,423.69	41,199.45
Adair	16,438.61	37,571.02	1,978.45	55,988.08
Adair	10,438.14	10,394.23	4,304.16	25,136.53
Adair	12,365.00	20,565.64	5,802.34	38,733.98
Adair	1,875.50	44,437.60	736.08	47,049.18
Adair	39,033.15	27,118.04	7,149.41	73,300.60
Adair	42,311.30	22,692.80	1,067.01	66,071.11
Adair	7,919.90	39,821.19	804.30	48,545.39
Adair	106.85	14,729.17	1,511.41	16,347.43
Adair	44,633.74	38,821.85	2,815.90	86,271.49
Adair	20,950.41	50,638.30	3,719.88	75,308.61
Adair	21,709.37	14,180.87	3,354.37	39,244.61
Adair		24,023.28	119.70	24,143.06
Adair	15,352.92	27,532.68	8,835.49	51,720.09
Adair		62,823.58		62,823.58
Adair	49,444.00	32,739.84	3,635.20	85,819.04
Adair	41,901.87	33,030.23	2,385.73	77,317.83
Adair	22,140.31	28,002.29	60,142.91	110,285.51
Adair		40,277.10	324.78	40,601.88
Adair		32,056.18	3,594.78	35,650.96
Adair	24,261.07	21,736.25	785.50	46,782.82
Adair		19,739.03	2,009.88	21,748.91
Adair	15,682.24	10,550.26	783.25	26,915.75
Adair	49,968.60	33,524.34	3,721.04	87,214.00
Adair		14,171.98	3,006.33	17,178.31
Adair	29,213.02	47,539.07	21,267.85	98,019.94
Adair	44,748.35	9,465.83	2,269.30	56,483.48
Adair	11,877.04	43,732.51	5,092.33	60,701.88
Adair	2,508.83	23,985.55	603.22	27,097.60
Adair	33,561.21	26,481.80		60,043.01
Adair	44,288.83	15,074.05	2,146.12	61,509.00
Adair	18,660.53	46,288.16	3,094.56	67,943.25
Adair	12,768.23	62,307.17	1,380.21	76,355.61
Adair	31,882.22	28,717.10	1,265.75	61,865.07
Adair	39,438.08	41,546.04	5,109.81	86,093.93
Adair	800.00	17,562.80	4,854.74	22,217.54
Adair		15,620.28	1,657.32	17,277.60
Adair	14,307.92	24,178.08	3,161.41	41,647.41
Adair	23,563.90	16,944.01	1,370.81	41,878.72
Adair	17,854.44	29,604.07	9,879.69	57,338.20
Adair	3,765.39	37,790.05	2,228.10	43,783.54
Adair	4,238.60	21,147.80	320.55	25,706.95
Adair	27,730.42	38,471.87	1,704.00	67,906.59
Adair		24,734.05	4,387.08	29,121.13
Adair	31,943.09	38,359.53	5,146.85	75,449.47
Adair	19,571.00	35,144.88	1,404.00	56,120.88
Adair	1,095.55	26,428.61	6,191.07	33,715.23
Adair	29,539.23	37,389.66	5,221.89	72,149.78
Adair	17,165.42	36,392.25	39.00	53,597.67
Adair	219,838.16	62,299.88	7,411.81	289,549.85
Adair		23,855.39	6,448.12	30,303.51
Adair		26,134.46	326.00	26,460.46
Adair	21,135.58	13,691.00	4,391.00	39,127.58
Adair		30,772.00	626.00	31,398.00
Adair	11,792.63	31,822.99		43,615.62
Adair		30,897.21	3,380.19	34,277.40
Adair	23,034.04	25,568.21	9,335.19	57,937.44
Adair	3,866.50	28,278.36	1,395.86	33,540.72
Adair	22,813.56	21,822.99	22,072.25	66,708.80
Adair	6,516.94	18,430.28	4,680.68	29,627.90
Adair		30,319.14	3,148.09	33,467.23
Adair	429.00	35,192.90	162.50	35,784.40
Adair	24,012.50	30,192.14	5,667.35	59,871.99

SUMMARY TABLE NO. 11—Continued

County	Finished Grade Standard		Gravel, Macadam and Sand Clay Surfacing		Tiling and Drainage Assessments	Equipment and Tools	Total Expenditure
	Miles Built	Total Warrants Issued	Miles Built	Total Warrants Issued			
Floyd	15.90	22,016.88	22.74	17,250.63	987.03	4,491.31	44,748.85
Franklin			10.25	9,831.19	1,900.03	55.82	11,877.04
Franklin							2,508.82
Premont			26.00	20,956.74	6,871.98		30,561.21
Greene	6.00	5,492.49	17.50	27,953.56	4,054.78	495.07	44,088.86
Grundy	5.00	12,185.45	16.00	12,888.46	38.70		15,938.61
Guthrie	.50	3,003.37	10.00	5,088.13	5,815.17	1,051.91	18,768.53
Hamilton	5.50	2,910.02	19.30	29,603.15	3,279.07		31,882.22
Hancock			29.17	15,304.25	72.45		30,438.08
Hardin	5.73	14,771.37			890.08		890.08
Harrison							14,307.92
Henry			3.50	1,542.43	3,372.42		36,503.96
Howard	6.25	9,336.07	6.37	5,893.89	2,587.17		17,834.44
Humboldt	11.50	18,133.10	14.35	12,144.69			3,765.30
Ida	1.00	3,765.30					4,238.06
Iowa	.89	3,239.38	1.00	998.08			27,730.42
Jackson	1.25	3,259.50	18.00	24,123.07	337.85		61,942.00
Jefferson			2.54	5,671.29	432.37		19,574.90
Johnson	11.83	45,849.05	14.00	5,333.93			1,685.66
Jones	18.00	14,370.37					20,538.23
Keokuk	.40	1,085.53	12.00	19,634.52	204.88	1,007.75	17,035.42
Kossuth	5.50	8,599.08	1.34	14,684.68		2,370.84	219,853.56
Lee			36.25	82,302.81			
Linn	38.50	137,550.75					
Louisa			9.00	13,668.22			21,125.58
Lucas	3.00	7,457.26					
Lyon			16.70	11,672.63			11,792.63
Madison						130.00	
Madaska							23,094.04
Marion			16.19	15,303.46	366.67	108.11	3,055.50
Marshall	27.00	7,253.89					26,518.66
Marshall	.30	3,055.50					6,516.04
Mills	15.75	18,153.70	4.00	3,306.57	4,908.29		
Mitchell	.58	6,516.04					
Monona							
Monroe							
Montgomery	2.19	10,967.66	4.81	18,024.11	430.00	43.20	24,612.55
Muscatine	24.31	16,336.79	19.00	3,050.06	107.58		19,772.32
O'Brien	8.40	12,602.04			7,532.73		30,131.82
Oscola		4,385.18					4,385.18
Page	5.00	11,209.54	18.00	16,744.37	5,854.93		33,908.27
Palo Alto	2.60	10,239.52	1.40	1,363.64			11,503.16
Plymouth	5.00	3,634.98	2.00	1,577.19	9,339.17		14,671.34
Pocahontas	21.74	65,945.70	15.55	12,775.70	461.46		76,222.86
Polk							
Pottawattamie							
Poweshiek							
Ringgold							
Sac	21.02	13,908.96	20.54	17,008.45	47.90		30,965.31
Scott	4.70	8,135.62	4.70	14,149.75	831.50		23,116.87
Shelby							30,597.70
Sioux	22.50	39,967.79					34,908.00
Story			18.50	32,027.01	2,311.59		31,138.29
Tama	9.50	17,021.70	7.60	13,823.44	273.25		56.20
Taylor							
Union							
Van Buren							
Wapello							
Warren							
Washington			.50	912.73	2,630.42		3,002.15
Wayne					183.44		183.44
Webster	2.50	18,300.79	19.50	26,778.67	2,265.68		47,373.54
Winnebago	7.30	11,255.45	5.30	6,407.59	4,902.52	2,015.07	23,678.63
Winnebiek	6.57	25,096.22	11.62	15,333.05	531.39		40,390.66
Woodbury	9.50	45,745.31	11.65	34,567.64		4,232.36	84,545.31
Worth	10.75	20,044.82	4.50	8,064.99	1,470.33	2,195.51	31,775.65
Wright			42.00	36,781.61	119.07	501.14	37,402.42
Total	480.67	\$ 912,109.35	757.56	\$ 903,471.21	\$ 97,501.59	\$ 28,410.98	\$ 1,942,522.18

SUMMARY TABLE NO. 12

Showing Cost of Maintenance—County Roads—Annual Report of County Engineers.

County	Miles County Road System	Patrol			Gang			Equipment and Tools			Total Cost Maintenance	Average Cost Per Mile
		Earth	Gravel	Paving	Earth	Gravel	Paving	Earth	Gravel	Paving		
Adair	114.30	9,424.90			14,264.56			6,971.85			31,331.20	274
Adams	117.04	16,405.51			5,040.09			3,882.67			25,288.27	216
Allamakee	107.50	14,249.75			6,461.99			8,690.39			29,301.94	263
Appanoose	119.75	9,031.43			15,682.87			6,346.28			31,060.58	259
Audubon	96.00	15,006.16			19,718.23			3,304.73			38,066.11	393
Beaumont	156.00	24,064.33			35,600.98			10,745.51			68,446.85	439
Black Hawk	124.00	6,000.38		\$ 4,470.03				1,600.05		\$ 2,725.26	25,737.92	207
Boone	115.26	314.70	14,145.53		3,365.07	\$ 229.35		2,149.19		2,908.84	24,008.05	200
Bremer	70.24	11,877.61	3,791.78		5,174.47			4,674.52		2,052.64	27,571.01	393
Buchanan	132.00	611.03	12,641.15		5,811.21	15,100.02		2,008.91	3,007.00		39,529.23	297
Buena Vista	132.00		28,841.12			2,496.28		2,496.28		2,496.28	39,566.04	294
Buena Vista	132.00	20,846.58	5,325.91		16,420.19			4,774.67	72.24		44,437.49	300
Burke	145.00		2,216.06		2,229.16			907.41		5,135.85	27,118.84	270
Calhoun	100.30		14,371.32				6,608.35				14,180.27	132
Carroll	131.00	6,054.40	5,000.47		2,565.06	1,483.80		5,430.08	138.63		22,602.80	173
Cass	91.00	12,280.62			14,802.41			2,734.26			39,821.19	328
Cedar	37.60	10,987.36		\$ 22.00	2,272.81			1,490.00			14,739.17	166
Cerro Gordo	113.04	6,461.63	10,822.09		881.30			156.00	10,470.36		28,821.85	255
Cherokee	129.70	9,915.79	3,216.06		2,229.16		88.25	4,353.61	593.49		30,638.39	160
Chickasaw	116.00	2,254.38	1,507.33		4,413.95			2,219.96	2,164.50		28,300.22	239
Clarke	80.00	10,168.00			1,429.21	2,461.69		13,822.36			24,029.25	300
Clay	134.41	1,499.35	21,156.20		242.32	2,986.29		144.96	1,836.55		27,802.68	207
Clayton	136.50	24,708.80			15,854.40			22,300.28			62,823.58	400
Clinton	123.00	13,099.70	2,012.94		5,458.09	429.80		1,838.28			22,739.84	178
Crawford	75.60	10,332.26	770.15		10,179.22			11,719.32			33,030.22	427
Dallas	121.00	2,905.19	11,801.11		1,429.21	2,461.69		5,907.74	4,107.00		26,821.66	229
Davis	136.85	14,375.89			6,064.40			19,833.84			40,377.10	274
Decatur	123.68	18,064.51			8,373.42			1,723.25			32,086.18	259
Delaware	142.20	10,977.11	5,229.35		1,449.94			201.30	354.40		31,736.35	153
Des Moines	47.75	13,314.44			700.65	1,203.37		3,410.47	871.10		19,730.03	413
Desh Moines	125.40	2,917.66			2,280.30			301.35	1,841.34		10,300.30	149
Dubuque	91.60	9,302.62	3,381.00		10,207.80		767.00	5,431.73	3,917.30		33,345.34	361
Emmet	62.25		7,380.50			6,229.72			481.76		14,171.68	224
Fayette	136.00	6,429.14	19,631.17		4,414.55	11,522.80		2,909.05	2,841.30		47,539.07	359

IOWA STATE HIGHWAY COMMISSION

REPORT OF COUNTY ENGINEERS

Floyd	101.30	3,886.46	4,641.47		290.19			312.80	342.91		9,405.83	93
Franklin	161.75	9,259.26	14,646.51		1,221.51	1,050.71		5,318.29	10,570.13		45,702.51	284
Franklin	122.00	19,191.23			7,501.97			252.35			25,985.56	197
Greene	66.00	450.13	8,003.34		9,454.47	4,407.40		6,034.11			36,451.60	401
Grundy	120.00	7,718.46	4,881.51		1,175.00			690.70	568.28		15,054.06	125
Guthrie	126.50	21,494.30	915.04		12,740.42			11,057.80			46,328.16	300
Hamilton	134.40	807.32	13,808.76		3,145.50	28,819.14		1,573.63	4,030.82		32,307.17	289
Hancock	118.80	7,720.61	5,013.59		7,194.61			6,054.11	1,304.50		28,717.10	253
Hardin	125.40	4,772.06			4,515.39		2,228.61	13,240.21	4,133.25		31,345.64	249
Harrison	105.50	9,978.10			3,321.00			4,236.79			17,002.80	166
Henry	106.00	12,885.55			10,606.12			5,122.61			31,620.68	288
Howard	70.68	9,948.00	261.27		8,559.94	13.00		5,934.37			24,178.08	205
Humboldt	107.32	1,859.32	5,330.16			7,462.28			2,322.25		16,944.01	158
Iowa	90.35	15,792.12	926.33		1,222.73			3,282.94	10.85		29,004.07	226
Jackson	126.00	22,694.22			5,568.19			9,247.94			37,706.65	300
Jackson	81.00	6,743.79	25.50		6,529.00			7,818.22			31,147.80	255
Jasper	168.25	26,790.60	3,532.49		9,138.88			9,138.88			38,471.87	229
Jefferson	103.00	18,431.90			2,711.63			3,584.22			24,734.05	240
Johnson	121.84	17,473.34	342.62		14,738.21	780.79		3,313.82			38,599.83	316
Jones	136.50	11,194.59	3.00		8,065.66			6,131.63			25,144.88	187
Keokuk	114.00	12,368.65			8,907.34			5,862.62			26,438.61	222
Kossuth	195.35				3,757.90	22,372.32		1,692.43	5,728.28		37,500.95	190
Lee	94.30	21,666.75	5,937.96		3,025.35	2,199.09		2,800.92	784.28		36,392.25	285
Linn	129.00	15,435.15	29,325.61		400.00			2,944.56	4,044.56		55,239.88	405
Louisia	79.50	14,424.02			456.75			1,232.42	7,785.29		23,826.39	292
Lucas	108.00	11,828.31			10,674.72			4,859.60			36,155.66	241
Lyon	133.75	2,223.54	6,816.89		765.75	529.14		892.73	2,467.63		11,634.66	108
Madison	131.75	14,246.46			10,416.00			12,040.44			36,702.90	279
Mahaska	89.70	10,264.98	1,828.72		6,529.75			5,621.24	259.49		24,823.99	271
Marion	102.50	12,365.43			18,692.97			8,548.81			39,607.21	289
Marshall	170.29	8,084.19	7,086.50		5,515.09	1,971.87		657.72	2,271.87		35,548.23	156
Mills	98.00	14,845.91			11,753.07			2,076.28			28,278.36	289
Mitchell	104.50	5,171.67	3,722.60		5,411.41	2,219.09		5,548.46			22,072.29	211
Monona	97.85	8,514.38			1,226.44			3,689.56			13,439.38	137
Monroe	119.00	16,149.77			10,439.83			4,729.54			30,319.14	254
Montgomery	75.75	14,889.34	2,961.60		1,562.47			8,750.00	2,311.23		25,192.50	331
Muscatine	37.61	8,969.39	2,961.60		331.15			6,028.34	3,131.23		20,192.14	250
O'Brien	123.25	5,221.54	2,622.75		2,853.82			6,046.40	3,176.69		21,316.69	168
Oceola	93.29	2,268.92	4,818.70		2,047.02	3,692.79		451.51	1,542.15		14,221.11	152
Page	134.50	12,669.35			4,224.70			3,185.05			19,569.71	143
Palo Alto	135.00	629.10	13,243.51			5,707.70			3,676.32		23,906.69	173
Plymouth	119.75	18,675.02			3,763.79			6,388.65			28,806.87	211
Pocahontas	125.75	1,370.24	24,205.65			2,564.61			9,550.29		37,679.19	242
Polk	97.25	24,329.45	50,172.00		10,569.28	3,396.20		2,062.40	3,738.01		66,592.79	368
Pottawattamie	201.61	27,504.05			5,659.55			2,945.76			46,156.29	202
Poweshiek	91.00	31,482.33			9,286.42			13,631.07			47,066.82	203
Ringgold	172.03	14,294.82			5,066.15			926.79			20,137.77	122

SUMMARY TABLE NO. 12—Continued

County	Miles County Road System	Patrol			Gang			Equipment and Tools			Total Cost Maintenance	Aver- age Cost Per Mile
		Earth	Gravel	Paving	Earth	Gravel	Paving	Earth	Gravel	Paving		
Sac	79.16	1,322.09	16,718.10		580.57	11,610.90			1,880.05		31,441.80	397
Scott	86.79	6,353.63	2,403.75		13,788.67	4,385.03		11,076.80	10,068.39		48,736.45	562
Shelby	114.20	15,500.04			8,506.08			11,303.11			35,419.23	310
Sioux	163.35	9,506.56	1,067.30		4,158.67			15,838.41	61.52		30,722.36	188
Story	144.00	2,037.32	9,671.64		2,056.24	3,696.83		2,024.28	5,105.11		24,611.42	171
Tama	181.89	24,849.29			1,711.03			3,049.33			27,898.62	153
Taylor	135.00	23,497.40			4,114.44			5,355.24			28,831.64	188
Union	109.00	9,322.94			4,915.53			7,152.80			26,347.87	242
Van Buren	105.75	14,310.54			4,884.47			1,405.14			35,183.48	304
Wapello	115.75	19,317.00			4,127.16			1,405.14			23,170.19	213
Warren	109.00	17,037.89			4,915.53			12,866.80			38,716.42	358
Washington	105.57	9,333.81			4,229.72			7,280.22	5,479.06		27,745.38	217
Wayne	125.00	17,428.42			5,104.24	1,517.24		6,074.44			39,058.29	259
Webster	129.30	7,887.38	11,739.95		164.00	501.51		1,000.04	39.32		8,007.03	83
Winnebago	97.80	4,339.94	1,901.32		11,154.45			1,732.64	381.22		25,451.65	212
Winneshiek	119.73	11,008.00	1,175.44		10,844.42	7,918.80		19,588.02	2,041.83		52,414.57	447
Woodbury	117.34	10,007.85	1,223.45		789.00	1,456.75		100.00	620.60		4,082.76	77
Worth	85.00	557.62	538.70					56.18	8,324.27		23,064.17	171
Wright	134.83	750.62	13,933.10									
Total	11,350.07	\$1,078,133.27	\$463,902.71	\$ 22.00	\$65,589.06	\$174,582.06		\$512,841.41	\$164,717.72		\$2,969,809.13	\$ 296

SUMMARY TABLE NO. 13

Showing Miscellaneous Items County Expenditures Special Cases—Annual Report of County Engineers

County	Railroad Crossings Improved		Gravel Pits Purchased		Gravel Purchased By Yard	Right of Way	Channel Changes	Miscel- laneous	Total Special Cases
	No.	Cost	No.	Cost					
Adair								\$ 142.65	\$ 142.65
Adams						\$ 3,199.05			3,199.05
Allamakee						2,113.23			5,719.03
Appanoose								5,279.62	5,279.62
Audubon						767.50	\$ 3,803.80		4,661.30
Beeton						347.50		45.00	392.50
Black Hawk			2	\$ 2,100.00	\$ 306.45	563.00		2,812.58	5,782.03
Boone			5	1,058.55		270.34		1,153.39	1,423.09
Braner						649.59		270.34	1,078.45
Buchanan			17	2,901.01	1,433.15				4,334.16
Buena Vista			2	1,506.92	2,244.96				5,892.24
Butler			1	225.00	400.63	2,050.36			726.68
Calhoun				5,385.18		233.38		1,530.85	7,169.41
Carroll						689.30		577.71	1,067.01
Cass						894.30			894.30
Cedar							133.24	1,378.17	1,511.41
Cerro Gordo			2	2,514.60		301.20			2,815.80
Cherokee						938.70		2,715.18	3,719.88
Chickasaw				250.00		2,017.17		1,067.29	3,364.37
Clarke						119.70			119.70
Clay			11	4,943.00		1,030.00		1,985.80	8,853.49
Clayton						2,312.75		3,242.28	5,555.03
Clinton						3,605.20			3,605.20
Crawford			1	1,200.00		1,125.25		60.48	2,385.73
Dallas						4,856.44		324.25	9,099.42
Davis						171.15		53.60	224.75
Decatur						1,082.19		1,081.59	3,594.78
Delaware			2	710.50		75.00			785.50
Des Moines						249.00	147.61	2,513.27	2,909.88
Dickinson						148.00		635.25	783.25
Dobson			1	600.00	41.56	2,305.00	715.40		3,721.96
Dubuque						355.00			3,006.33
Emmet						398.45			21,697.85
Fayette			1	55.58	849.13				20,124.00
Floyd					2,116.75	143.55	9.00		2,269.30

SUMMARY TABLE NO. 13—Continued

County	Railroad Crossings Improved		Gravel Pits Purchased		Gravel Purchased By Yard	Right of Way	Channel Changes	Miscellaneous	Total Special Cases
	No.	Cost	No.	Cost					
Franklin						115.00		1,422.32	1,537.32
Fremont						100.00		2,686.84	3,151.41
Greene									1,370.81
Grundy						6,482.59	550.00		9,559.69
Guthrie						2,238.10			2,238.10
Hamilton			1	600.00	322.00	29.64		309.32	339.56
Hancock					3,257.43	446.80		1,237.50	1,704.30
Hardin						3,388.84	1,248.24		4,637.08
Harrison						4,719.65	436.20		5,146.85
Henry			3	1,068.50	1,611.53	279.00			1,404.00
Howard			2	364.57		1,141.21	33.95	3,518.54	6,191.67
Humboldt						1,370.81		14.50	5,231.39
Ida	1	173.79	2	2,696.31		20.60			39.00
Iowa						7,611.81			7,611.81
Jackson						322.00		6,122.12	6,444.12
Jasper						275.00	50.00		325.00
Jefferson						3,408.79		45.15	4,351.90
Johnson						609.50	25.00		635.50
Jones			1	1,125.00		479.80			479.80
Keokuk	1	1,502.27				2,197.64	808.00	214.55	3,280.19
Kossuth			4	5,296.89		1,683.92		5,483.17	9,335.19
Lee						90.00	206.15	910.68	1,306.83
Linn								1,302.94	1,302.94
Louis						1,070.00			4,480.68
Lucas						1,906.50	182.19		2,148.69
Lyon			2	400.00	418.05	162.50			162.50
Madison								5,288.16	5,677.25
Mahaska						338.90	108.00		1,478.61
Marion						2,081.31			6,068.84
Marshall			1	1,700.00	218.10	5,466.67		3,467.86	8,902.52
Mills						389.29			6,410.81
Mitchell						1,034.15	7,342.88		9,377.03
Monona						90.50		5,583.84	9,072.69
Monroe						3,682.37	285.50		5,611.81
Montgomery						1,234.27		7,855.21	9,151.48
Muscatine					394.00	2,069.50		1,453.80	3,223.49
O'Brien						64.48			64.48
Osceola			3	3,872.78	114.73	2,872.41	62.50	3,077.35	6,229.45
Page						2,711.39	175.00	2,995.54	4,954.74
Palo Alto			5	8,819.68	700.00	1,137.75		1,214.55	5,865.33
Plymouth						496.30	106.92		603.22
Pocahontas			8	3,308.65		235.00	188.50	224.92	648.42
Polk					1,343.94	407.13	194.00	1,554.99	2,146.12
Pottawattamie						2,418.29	696.35		5,021.56
Poweshiek								1,280.21	1,280.21
Ringgold						309.25		74.50	1,395.75
Sac					216.79	45.00		1,808.98	5,109.31
Scott			1	3,000.00		3,195.15		164.83	6,359.98
Shelby						2,377.84		259.15	2,627.99
Sioux			3	3,653.01		907.29		1,228.08	5,788.48
Story			3	3,135.10	2,302.00	994.42		74.75	6,406.27
Tama						2,139.11	440.62	230.75	2,800.48
Taylor	1	85.00				195.20	253.55	5,028.05	5,561.80
Union									
Van Buren									
Wapello						767.57	896.53		1,654.09
Warren						1,528.00		804.75	2,430.75
Washington						1,295.85	10,807.53	2,185.79	14,379.17
Wayne						422.45		5,169.66	5,532.11
Webster			3	3,931.86		85.00		5,997.45	10,014.31
Winneshago						969.40		368.94	1,328.64
Winneshiek						2,443.50		176.42	2,620.32
Woodbury			1	1,250.00		21,832.70	3,252.39	5,473.21	31,338.30
Worth						1,834.25		2,901.40	4,735.65
Wright					7.00	496.45		1,303.00	1,706.95
Total	4	1,786.64	88	65,702.59	22,779.39	142,925.12	33,332.94	148,191.13	414,717.91

SUMMARY TABLE NO. 14

Progress and Condition Report—County Road System—Annual Report of County Engineers

County	Construction Completed in 1929			Condition of County Road System January 1, 1927				
	Built to Permanent Grade	Gravel, Macadam or Sand Clay	Paved	Not Built	Perma-ment Grade Not Surfaced	Gravel, Macadam or Sand Clay	Paved	Total Miles in County System
Adair				118.30	1.00			119.30
Adams				117.00				117.00
Allamakee				95.50	9.25	1.75		106.50
Appanoose		10.50		109.25		10.50		119.75
Audubon				93.40	3.50			96.90
Benett				156.00				156.00
Black Hawk	19.40	16.75		56.00	8.00			74.15
Boone		13.00				118.20		131.20
Bremer		14.00		38.40	6.00	25.75		70.15
Buchanan		11.00		108.25		23.75		132.00
Buena Vista		30.50				132.00		162.50
Butler		1.00		128.00	1.00	16.00		145.00
Calhoun	1.00	40.00				88.30		130.30
Carroll	30.50	19.35		65.00	5.00	61.00		131.00
Cass	.50			90.00	1.00			91.00
Cedar				89.70	5.24	1.05		96.00
Cerro Gordo	7.30	12.10		41.00		71.30	.74	111.34
Cherokee	6.00	6.00		92.98	47.52	22.20		158.70
Chickasaw	10.80	11.80		50.00	11.50	54.50		116.80
Clarke				80.00				80.00
Clay	13.00	6.00			18.50	120.91		141.41
Clayton				136.30	.30			136.60
Clinton		9.85		74.98	28.38	24.64		128.00
Crawford	4.80	21.00		5.16	40.44	21.00		71.40
Dallas	.75	8.80		21.62	.75	98.44	.25	121.06
Decatur				136.85				136.85
Delaware	5.75	3.75		122.68				132.18
Des Moines				90.45	4.50	38.25		133.20
Dickinson	17.50			38.00	5.75	4.00		57.25
Dubuque	17.50	6.70		2.10	13.00	57.50		79.80
Emmet	5.70			73.00	3.45	12.30		91.45
Fayette	7.00	7.00		.85		65.00		72.85
Floyd	15.00	22.74		118.80	7.00	10.20		153.00
Franklin		10.25		33.20	4.50	63.00		100.70
Fremont				74.25	4.00	83.50		161.75
Greene				121.78	.32			122.10
Grundy	6.00	20.00		5.00		61.00		72.00
Guthrie	5.00	17.50		6.00	23.50	31.25		64.25
Hamilton	.50	16.00		98.25	3.75	24.50		122.00
Hancock	5.50	10.00		22.00	3.00	109.40		139.90
Hardin				15.20	12.80	42.50		70.50
Hardy	5.73	20.17		94.46	5.56	85.28		126.49
Harrison				105.50				105.50
Henry				105.00				105.00
Howard	6.25	3.50		55.43	8.75	12.50		77.43
Humboldt	11.50	6.37		21.00	12.00	74.25		107.82
Ida	11.95	14.25		65.53	10.32	14.50		102.50
Iowa	1.00			119.75	6.25			126.00
Jackson	.50	1.00		81.11	.80	1.00		83.41
Jasper	1.25	18.00		144.00	1.00	23.25		176.50
Jefferson				103.00				103.00
Johnson	11.83	3.00		100.81	16.05	4.98		122.86
Jones	18.00	14.00		116.50	4.00	14.00		152.50
Keokuk	.80			109.25	4.77			114.02
Kossuth	5.50			12.00	11.50	174.75		192.75
Lee		1.34		84.50		9.00		93.50
Linn	38.50	36.25		41.14	12.00	75.83		127.37
Louis				58.19	10.81	1.50		70.50
Lucas				108.00				108.00
Lyon	8.00	9.00		46.25	20.00	58.00		131.25
Madison				121.00	.75			121.75
Mahaska		16.70		70.40	2.00	17.30		89.70
Marion				96.41	4.00			100.41
Marshall	27.00	16.19		88.50	18.30	67.64		173.49

SUMMARY TABLE NO. 14—Continued

County	Construction Completed in 1929			Condition of County Road System January 1, 1927				
	Built to Permanent Grade	Gravel, Macadam or Sand Clay	Paved	Not Built	Perma-ment Grade Not Surfaced	Gravel, Macadam or Sand Clay	Paved	Total Miles in County System
Mills	.30			97.80	.20			98.00
Mitchell	15.75	2.75		81.40	2.75	20.35		104.50
Monona	.58			88.25	9.60			97.85
Monroe				119.00				119.00
Montgomery				74.00	.85			74.85
Muscatine	2.19	4.81		24.64	15.70	17.20		57.63
O'Brien	24.31	19.00		33.25	30.00	32.00		125.56
Oceola	8.46			32.80	22.70	37.80		79.00
Page				183.25	1.25			184.50
Palo Alto	5.00	18.00		4.00	4.00	127.00		144.00
Plymouth	2.00	1.40		96.13	21.55	2.07		119.75
Pocahontas	.50	21.25		.20	2.25	118.30		120.75
Pocahontas	21.74	15.55		30.50	26.25	143.00	1.00	240.85
Pottawattamie				225.00				225.00
Poweshiek				88.00	1.34			89.34
Ringgold				122.00				122.00
Sac		20.54				70.16		90.70
Scott	4.70	4.70		34.02	23.14	29.03		67.89
Shelby				113.57	.85			114.42
Scott	22.50			131.43	22.82	9.00		165.35
Story		15.00		23.00	12.00	109.00		144.00
Tama	9.50	7.50		160.55	13.75	7.50		181.80
Taylor				152.15	.88			153.03
Taylor				100.00				100.00
Union				108.75				108.75
Van Buren				115.75				115.75
Wapello				100.00	.50	.50		101.00
Warren				107.07				107.07
Washington		.50		126.00				126.50
Wayne	2.50	19.50		41.25	2.50	76.05		120.30
Webster	7.30	5.20		40.45	11.15	37.20		92.80
Winneshiek	6.07	11.62		105.62	.61	15.50		123.80
Woodbury	9.50	11.45		97.15	20.25	29.34		117.34
Worth	8.75	4.50		19.75	8.75	34.25		52.00
Wright		45.00		15.00		116.85		136.85
Total	602.65	770.91		7,037.45	717.80	3,223.43	1.90	11,550.67

SUMMARY TABLE NO. 15
Showing Secondary Road Districts Petitioned for, Established, Mileage Graveled and Average Cost, January 1, 1926—
Annual Report of County Engineers

County	Sec. Road Dist. for	Total Mileage to be Improved for County Twp.	No. Sec. Road Dist. Est.	Total Mileage to be Graveled		Mileage Graveled Contracted		Mileage Graveled Completed		Ave. Width Asst. Dist.	Ave. Cost Per Mile Work Completed	Average Assessment Per Acre						
				County Twp.	County Twp.	County Twp.	County Twp.	County Twp.	1st 40			2nd 40	3rd 40	4th 40	5th 40	6th 40		
Black Hawk	4	21.00	2.00	17.00	8.00	8.58	7.70	7.70	3.00	1,100.00	.30	.27	.30	.15	.16	.10		
Boone	23	76.88	1	3.00	2.00	24.13	8.00	8.00	1.00	1,000.00	.90	.50						
Boonville	1	1.00	1	1.00	1.00	1.00	1.00	1.00	1.00	1,000.00	.41	.32	.28	.19				
Buena Vista	20	130.00	22	4.00	74.00	4.00	4.00	4.00	1.00	810.00	.65	.30	.35					
Calhoun	30	31.00	2	21.00	40.00	21.00	40.00	21.00	2.00	1,000.00	.52	.40	.34	.17	.13	.10		
Carro Gordo	4	7.00	1	7.00	11.00	7.00	11.00	7.00	1.00	925.00	.40	.30						
Clay	5	31.00	12	10.15	12.15	12.15	12.15	10.15	1.00	1,771.00	.48	.45						
Dallas	10	31.50	1	8.25	29.44	8.25	29.44	8.25	1.00	1,000.00	.57	.33						
Dubuque	1	12.00	1	17.50	17.50	17.50	17.50	17.50	1.00	875.00	.55	.33						
Dwight	2	17.50	3	4.00	17.00	4.00	17.00	4.00	2.00	823.00	.35	.34	.21	.17	.14	.07		
Floyd	11	4.00	3	4.00	4.00	4.00	4.00	4.00	1.00	1,187.00	.33	.30						
Greene	6	33.00	3	6.25	19.00	6.25	19.00	6.25	1.00	807.00	.50	.38	.30	.10				
Harrison	7	18.00	1	1.00	19.00	1.00	19.00	1.00	2.00	1,300.00	.75	.40	.23	.07				
Hancock	1	6.25	1	19.00	19.00	19.00	19.00	19.00	2.00	1,075.00	.50	.50	.30	.10				
Henry	1	6.25	1	19.00	19.00	19.00	19.00	19.00	2.00	1,500.00	.48	.34	.40	.30				
Humboldt	5	42.25	10	12.00	11.00	12.00	12.00	12.00	1.00	2,100.00	.50	.50	.40	.30				
Kossuth	8	42.00	3	12.00	13.50	12.00	13.50	12.00	1.00	2,000.00	.50	.40	.30	.15	.10			
Linn	11	41.25	3	3.25	7.00	3.25	7.00	3.25	1.00	1,115.00	.45	.34	.23	.11				
Lee	2	10.00	1	4.00	4.00	4.00	4.00	4.00	1.00	1,300.00	.48	.30						
Marshall	4	3.50	6	10.00	7.75	1.00	7.75	1.00	1.00	1,070.00	.65	.38	.12					
O'Brien	10	31.00	9	20.75	27.00	27.00	27.00	27.00	1.00	1,070.00	.65	.38	.12					
Polk	15	2.50	2	19.50	19.50	19.50	19.50	19.50	2.00	1,070.00	.50	.32	.10					
Pocahontas	1	1.00	1	3.00	3.00	3.00	3.00	3.00	2.00	1,070.00	.50	.40	.16	.16	.10			
Story	21	54.80	1	44.40	18.50	18.50	18.50	18.50	2.00	1,650.00	.60	.49	.27	.25	.17	.10		
Wadena	1	31.00	1	5.50	34.00	5.50	34.00	5.50	2.00	1,650.00	.60	.45	.23	.35	.17	.10		
Webster	2	31.00	6	29.00	24.00	24.00	24.00	24.00	2.00	1,650.00	.60	.45	.23	.35	.17	.10		
Wright	7	39.00	6	29.00	24.00	24.00	24.00	24.00	2.00	1,650.00	.60	.45	.23	.35	.17	.10		
Total	274	1,008.00	1,013.30	130	202.38	422.37	178.94	419.17	174.82	204.30	1.66	1.38	.90	.58	.39	.19	.14	.09

SUMMARY TABLE NO. 17

Showing Total and Relative Cost of Maintenance of Earth, Gravel and Paved Roads by Counties—County Road System—Annual Report of County Engineers

County	Earth			Gravel			Paved			Total Cost		
	Number of Miles	Cost of Maintenance	Average Cost Per Mile	Number of Miles	Cost of Maintenance	Average Cost Per Mile	Number of Miles	Cost of Maintenance	Cost of Average Cost Per Mile	Number of Miles	Cost of Average Cost Per Mile	Total Cost
Adair	114.30	\$	274									\$
Adams	117.04	21,328.27	216									25,228.57
Albany	105.75	38,301.94	367	1.75	5,844.42	297						28,351.94
Albany	169.25	31,000.38	384	10.50	1,127.80	107						31,000.38
Appanoose	136.90	28,096.11	233									28,096.11
Audubon	100.00	8,313.63	123	60.00	\$ 17,105.20	287						25,707.92
Boone	64.00	5,619.96	88	118.50	18,382.72	156						24,002.68
Bremer	44.40	21,726.69	488	25.75	8,844.42	297						27,571.69
Buchanan	108.25	8,491.12	78	22.75	30,748.68	1,246						39,239.25
Buena Vista	122.00	42,000.44	78	16.00	4,905.05	307						44,907.50
Calhoun	32.00	901.17	75	68.00	26,216.25	387						27,118.01
Carrroll	70.00	16,000.54	228	61.00	6,632.26	109						22,632.80
Cass	91.00	29,801.19	378									29,801.19
Cedar	82.04	14,729.17	171	1.00	1,202.03	207						14,729.17
Cerro Gordo	107.50	10,500.50	133	71.30	1,127.80	107						10,500.50
Chickasaw	61.50	8,879.29	144	54.50	5,301.28	97						14,180.57
Clarke	83.00	24,620.26	300									24,620.26
Clay	134.50	1,873.61	380	120.51	25,979.54	215						27,853.15
Clayton	136.30	62,820.28	600	34.64	2,423.77	60						65,244.05
Crawford	134.25	22,800.67	500	21.00	720.15	30						23,520.82
Crawford	282.27	10,442.64	664	58.44	15,400.64	186						25,843.28
Dallas	133.85	40,577.10	594									40,577.10
Dawson	123.65	22,086.18	259	38.25	5,682.94	104						27,769.12
DeWaver	103.05	16,347.41	100	57.00	8,227.47	143						24,574.88
Dickinson	15.15	1,074.54	173	57.00	8,227.47	143						10,776.63
Dubois	15.15	1,074.54	173	15.20	8,602.19	567						10,750.87
Dubuque	76.45	24,992.19	327	63.00	14,371.68	225						29,363.87

SUMMARY TABLE NO. 17—Continued

County	Earth		Gravel		Number of Miles	Average Cost Per Mile	Number of Miles	Average Cost Per Mile	Total Cost
	Number of Miles	Cost of Main-tenance	Number of Miles	Cost of Main-tenance					
Adair	126.80	15,633.74	10.30	33,332.35	2,533	47,586.07			
Adams	27.70	4,831.45	63.00	4,581.35	2,528	9,465.80			
Admission	123.25	15,729.16	33.2	85.50	388	9,465.81			
Admission	4.00	12,127.44	2.00	29,553.35	1	55,185.51			
Admission	88.75	9,574.16	61.00	14,584.30	235	26,481.50			
Admission	52.00	45,282.32	247	9,312.84	120	15,034.05			
Admission	22.00	5,618.45	100.40	46,688.72	427	46,255.16			
Admission	40.00	22,588.05	307	7,118.18	164	32,307.17			
Admission	105.30	17,421.89	88.88	15,018.01	175	47,545.10			
Admission	100.00	31,030.08	328		17	502.80			
Admission	64.38	25,925.01	372	575.17	82	31,030.68			
Admission	32.00	1,839.22	74.02	16,084.40	302	31,011.01			
Admission	29.80	32,766.89	14.50	337.18	53	36,314.01			
Admission	135.35	31,122.30	1.00	35.00	38	37,290.65			
Admission	145.00	35,019.38	331	4,082.49	139	36,541.87			
Admission	115.86	24,784.05	248	1,422.46	306	26,731.05			
Admission	113.96	37,227.37	14.00	3.00	21	37,244.38			
Admission	114.00	37,141.38	83.95	2,652.49	26	37,141.38			
Admission	21.00	5,520.35	171.71	38,110.00	184	37,000.65			
Admission	85.00	37,530.22	9.00	8,332.00	32	37,530.22			
Admission	18.14	18,929.71	75.80	23,370.17	446	39,299.88			
Admission	16.00	19,123.29	234	1,507.20	5,135	39,299.88			
Admission	17.00	12,411.40	38.00	9,762.08	108	39,299.88			
Admission	78.40	22,355.97	17.33	1,885.62	121	39,299.88			
Admission	102.00	39,867.21	67.64	11,280.23	167	39,867.21			
Admission	18.00	18,574.90	30.35	5,944.75	202	39,867.21			
Admission	84.35	16,120.54				39,867.21			
Admission	9.25	11,379.38				39,867.21			

Admission	100.00	31,030.08	328		17	502.80
Admission	64.38	25,925.01	372	575.17	82	31,030.68
Admission	32.00	1,839.22	74.02	16,084.40	302	31,011.01
Admission	29.80	32,766.89	14.50	337.18	53	36,314.01
Admission	135.35	31,122.30	1.00	35.00	38	37,290.65
Admission	145.00	35,019.38	331	4,082.49	139	36,541.87
Admission	115.86	24,784.05	248	1,422.46	306	26,731.05
Admission	113.96	37,227.37	14.00	3.00	21	37,244.38
Admission	114.00	37,141.38	83.95	2,652.49	26	37,141.38
Admission	21.00	5,520.35	171.71	38,110.00	184	37,000.65
Admission	85.00	37,530.22	9.00	8,332.00	32	37,530.22
Admission	18.14	18,929.71	75.80	23,370.17	446	39,299.88
Admission	16.00	19,123.29	234	1,507.20	5,135	39,299.88
Admission	17.00	12,411.40	38.00	9,762.08	108	39,299.88
Admission	78.40	22,355.97	17.33	1,885.62	121	39,299.88
Admission	102.00	39,867.21	67.64	11,280.23	167	39,867.21
Admission	18.00	18,574.90	30.35	5,944.75	202	39,867.21
Admission	84.35	16,120.54				39,867.21
Admission	9.25	11,379.38				39,867.21

Total

8,257.25 \$6,126,844.91 \$ 259

\$ 249

1.90 \$ 22.60 \$ 11.60 \$ 2,659,860.15

SUMMARY TABLE NO. 19

Showing County Engineering Costs—Annual Report of County Engineers

	Roads					Bridges					Total Cost of Engineering
	County Engineer		Assistant Engineer		Total	County Engineer		Assistant Engineer		Total	
	Salary	Expense	Salary	Expense		Salary	Expense	Salary	Expense		
Adair	\$ 285.24	\$ 30.00	\$ 216.12		\$ 622.36	\$ 1,287.45	\$ 70.00	\$ 304.93		\$ 1,801.71	\$ 2,494.07
Adams	1,159.22				1,159.22	1,159.22				1,159.22	3,418.44
Allamakee	370.00	31.00	600.00	\$ 127.50	1,197.50	1,150.40		600.00	\$ 127.50	2,997.50	3,858.00
Appanoose	111.66				145.40	145.40	31.04			142.10	384.19
Audubon	822.90	144.27	301.47		1,168.64	822.90	144.27	301.48		1,168.71	2,337.41
Beiton	1,079.07	099.00	4,297.47		6,067.47	796.53		383.88		1,352.41	7,919.88
Black Hawk	1,039.97	122.70	3,980.94	796.27	5,989.58	1,059.98	122.70	1,294.33	490.62	2,976.06	8,896.64
Boone	1,649.83	804.46	2,580.00	400.50	5,434.33	824.94	492.28	1,022.49	106.03	2,465.70	7,900.05
Bremner	843.42	119.25	1,544.16		2,497.83	839.23	70.48	997.23		1,506.96	4,994.79
Buchanan	843.20	172.00	129.00		1,144.20	780.00	172.01	109.00		1,059.01	2,193.58
Buena Vista	1,700.80	682.65	5,116.32	1,123.80	8,683.72	823.21	175.50	65.35	17.46	589.32	9,264.24
Butler	506.00	228.54	983.73		1,668.96	906.80	428.54	393.13		1,508.47	3,297.43
Calhoun	1,339.00	396.50	2,616.40	568.95	5,609.85	801.00	341.63	115.20	21.00	1,359.83	6,969.68
Carroll	965.24	448.40	98.22	35.23	2,048.19	955.34	448.40	98.23	35.23	2,011.87	4,060.06
Cass	815.48		95.62		911.10	912.02	896.47	406.24		1,398.71	2,211.73
Cedar	508.58		68.98	1,162.33	2,039.77	1,166.88	100.69	1,248.68	603.05	3,095.28	4,948.25
Cerro Gordo	1,410.00	310.00	1,289.50	190.00	3,249.80	1,409.00	333.13	1,300.00	170.00	3,009.13	6,283.93
Cherokee	799.32	340.00	1,862.15	140.60	3,102.11	1,239.67	304.18	1,149.65	294.19	3,187.64	6,290.75
Chickasaw	731.00	192.00	400.00		1,223.00	792.80	192.70	349.32	2.50	1,277.58	2,600.58
Clarke	611.67	164.92			866.59	641.67	164.92			866.60	1,612.19
Clay	1,279.80	394.95	4,238.83	1,690.75	6,854.33	922.20	87.00	451.55	276.00	1,019.80	7,844.13
Clayton	392.50	172.50	759.00		1,853.00	922.50	172.50	759.00		1,853.00	3,706.00
Clinton	1,498.00	1,285.49	2,568.30	8.33	5,299.33	612.00	592.02	1,140.24	60.50	2,393.06	7,064.04
Crawford	744.01	84.62	2,454.06	370.30	2,662.70	744.01	140.28	988.00	104.20	1,916.49	5,069.28
Dallas	1,604.21	608.46	4,138.19	1,404.39	7,776.85	941.14	242.95	1,023.07	496.29	2,601.35	10,377.90
Davies	983.78		75.75		1,059.53	983.78		75.75		1,059.54	2,119.07
Decatur	991.28		1,204.04		2,195.32	973.82		1,108.17		2,081.99	4,277.31
Delaware	1,300.00	172.69	623.95		2,096.64	985.38	172.69	300.00	171.69	1,459.76	3,546.40
Des Moines	847.48		279.00		1,126.48	800.00		279.00		1,079.00	2,205.48
Dickinson	1,110.00	454.00	1,680.32	26.60	3,271.00	80.50	33.12	60.10		163.72	3,434.72
Dubuque	1,386.51		770.00		2,156.51	1,956.51		1,790.00		3,746.51	6,423.09
Emmet	1,184.90	116.22	3,463.19	30.00	4,923.47	694.48	98.16	300.00	18.00	1,111.24	6,034.71
Fayette	680.28		1,688.28	423.60	2,892.16	872.33		1,688.80	423.61	2,984.74	6,708.94
Florida	744.55	297.07	2,091.73		3,044.35	496.37	89.25	1,394.43		1,980.11	5,024.46
Franklin	1,472.63	172.40	3,388.74	691.94	6,125.61	726.23		1,941.96		3,009.28	9,134.89
Fremont	900.00	300.00			1,200.00	900.00		300.00		1,200.00	2,400.00
Greene	1,294.00	997.73	2,209.14	682.55	5,049.07	461.32	461.37	736.37	194.13	2,063.29	7,112.36
Grundy	1,074.00	193.73	1,038.51	133.75	2,116.28	697.33		687.99		1,385.32	3,501.60
Guthrie	890.74	351.65	829.95	500.00	2,611.74	916.30		324.59		1,240.89	3,852.63
Hamilton	1,167.23	794.90	1,270.83	279.59	3,512.55	1,345.86		1,181.80		2,527.66	6,040.21
Hancock	1,041.34	718.35	1,543.59		3,303.28	885.95		237.90	91.50	1,215.35	4,518.63
Hardin	1,361.75	823.59	3,277.72	404.45	5,397.51	662.25		356.79	124.45	1,143.49	6,541.00
Harrison	769.18	283.24	40.00		1,092.42	769.19		283.25	40.00	1,092.44	2,000.00
Henry	1,000.00				1,000.00	1,000.00				1,000.00	2,000.00
Howard	725.13	206.49	2,117.36	670.43	3,749.41	732.28		215.88		948.16	4,697.57
Humboldt	1,692.14	1,121.00	1,742.53	145.90	4,712.53	922.43		375.94	137.09	1,435.46	6,148.00
Iaia	709.00	158.00	949.00		1,766.00	709.00		158.00		867.00	2,633.00
Iowa	750.74	12.47	2.00		2,039.77	1,285.38		622.77	697.92	2,606.07	4,647.78
Jackson	985.65	334.86	656.30		2,068.71	1,363.60		922.43		2,286.03	4,354.71
Jasper	697.00	199.73	1,420.10	179.39	2,496.22	1,333.00		602.70	23.10	1,958.80	4,455.02
Jefferson	922.48		400.32		1,322.80	922.48		400.32		1,322.80	2,645.60
Johnson	1,409.63	103.60	3,716.00	694.00	5,923.23	1,410.00	150.00	3,714.99	534.17	5,809.16	11,692.41
Jones	1,369.10	594.18	1,468.28		3,431.56	1,369.10		594.18		2,463.28	5,900.84
Keokuk	1,010.00	14.71	637.00		1,651.71	1,010.00		14.71		1,024.71	2,676.42
Kossuth	1,997.22	398.15	2,000.00	500.00	5,045.37	383.66		583.07	29.00	1,045.73	6,091.10
Lee	1,531.71	197.43	2,096.38	316.24	4,041.82	885.01		197.44	961.18	1,273.63	5,315.45
Linn	1,241.02	725.20	10,797.43	1,892.12	14,655.88	1,241.02		725.25	10,797.47	12,004.74	26,660.62
Louis	1,589.46	727.33	971.73	31.94	3,312.46	1,589.46		727.33	31.94	2,348.73	5,661.19
Lutes	642.90				642.90	642.90				642.90	1,285.80
Lyon	696.43	288.10	2,865.85	812.60	4,663.98	921.00		9.55	7.00	1,027.55	5,691.53
Machon	968.00	47.50	130.30		1,145.80	968.00		47.50		1,015.50	2,161.30
Madaska	1,000.00	130.00	37.00		1,167.00	1,000.00		130.00		1,130.00	2,297.00
Marion	1,209.00	75.00	359.00		1,643.00	1,209.00		75.00		1,284.00	2,927.00
Marshall	1,167.33	342.10	2,538.40		4,047.83	1,167.33		342.10		1,509.43	5,557.26
Mills	858.35	315.13			1,173.48	858.35		315.13		1,173.48	2,346.93
Mitchell	942.50		4,237.93	676.16	5,856.59	1,943.00		500.00		2,443.00	8,300.59
Monona	300.00	25.40			325.40	300.00		25.40		325.40	650.80
Monroe	366.09	122.97	217.67		706.73	366.09		122.97		489.06	1,195.79
Montgomery	1,682.10	724.28	2,913.25	85.50	5,405.13	1,682.10		724.28	85.50	2,542.18	7,947.31
Muscatine	1,700.00	60.83	2,028.96		4,389.83	1,700.00		60.83		1,760.83	6,150.66
O'Brien	1,020.10	553.31	2,033.33	187.70	4,794.44	1,020.10		553.31	187.70	1,761.11	6,555.55
Oescola	255.00				255.00	255.00				255.00	510.00
Pago	1,509.84	314.45	3,062.00	341.30	5,227.59	1,509.84		314.45		1,824.29	7,051.88
Palo Alto	1,017.98	232.20	2,291.39		3,541.57	1,017.98		232.20		1,250.18	4,791.75
Plymouth	1,295.54	288.00	2,800.58	767.50	5,151.12	1,295.54		288.00		1,583.54	6,734.66
Pocahontas	1,473.53	317.90	8,287.71	919.50	11,069.74	1,473.53		317.90		1,791.43	12,861.17
Polk	981.41		825.00		1,806.41	981.41		825.00		1,806.41	3,612.82
Pottawattamie	700.00	128.00	400.00	30.00	1,308.00	1,308.00		128.00	30.00	1,466.00	2,774.00
Poweshiek											
Ringgold											

SUMMARY TABLE NO. 19—Continued

	Roads					Bridges					Total Cost of Engineering
	County Engineer		Assistant Engineer		Total	County Engineer		Assistant Engineer		Total	
	Salary	Expense	Salary	Expense		Salary	Expense	Salary	Expense		
Sac	1,038.25	102.00	4,718.00		5,988.34	572.35	92.00	387.35	3.40	1,055.70	6,994.04
Scott	1,456.38	323.41	3,453.50	219.13	5,662.42	1,456.38	523.42	1,739.18	219.13	3,888.11	9,590.53
Shelby	452.11	135.91	309.82		957.84	1,494.61	400.82	710.61		2,606.04	3,563.88
Sioux	1,300.00	227.46	3,378.77	791.96	5,698.79	322.38	113.71	477.62	62.19	1,196.00	6,894.79
Story	910.00	231.37	49.50		1,190.87	690.30	290.73			981.03	2,141.90
Tama	1,127.19	468.23	5,022.42		7,617.84	744.00	322.50	3,348.27	490.00	4,904.77	12,253.01
Taylor	700.00	138.00	185.80		1,023.80	1,050.00	307.26	278.70		1,555.96	3,559.76
Union	950.00	23.50			973.50	507.10	23.13			625.23	1,608.73
Van Buren						159.34		90.00		185.34	185.34
Wapello	1,267.50		31.25		1,298.75	1,907.50	43.93	31.25		1,282.68	2,521.43
Warren	795.00	14.04	1,403.45	309.80	3,419.29	1,100.00	53.00	750.00	314.00	2,217.00	4,637.55
Washington	1,308.50	231.12	405.31		1,944.93	1,336.50	231.14	405.31		1,973.44	3,918.37
Wayne	965.49	436.90	340.69	12.45	1,755.53	965.49	436.90	340.62	12.45	1,795.53	3,551.06
Webster	1,457.56	325.68	3,009.23	848.32	5,707.91	485.39	110.80	1,023.07	282.73	1,902.63	7,610.54
Winnebago	1,100.00	325.22	443.90		1,929.12	394.00	63.50			398.10	2,197.22
Winneshek	1,309.00	732.24	1,734.38	114.05	3,789.55	1,300.00	292.87	675.43	157.85	2,206.15	6,079.70
Woodbury	1,439.45	984.54	3,391.43	651.45	5,466.87	1,439.45	601.25	1,023.98	39.10	3,104.88	8,571.75
Worth	772.38	324.50	1,004.00	300.30	2,355.68	772.38	80.90	332.00		1,385.19	3,940.27
Wright	549.36	337.54	825.27		1,712.17	549.36	337.55	823.27		1,710.18	3,430.35
Total	\$ 90,746.25	\$ 28,727.99	\$160,510.10	\$ 21,422.13	\$310,606.52	\$ 83,027.46	\$ 21,088.70	\$ 68,338.31	\$ 9,553.72	\$182,018.19	\$ 492,654.71

SUMMARY TABLE NO. 20
Financial Statement—County Bridge Fund—Annual Report of County Engineers

	Balance or Overdraft January 1, 1926	Receipts During 1926			Total	Disbursements 1926	Balance or Overdraft January 1, 1927
		Tax Levy	Sale of Bonds	Miscellaneous			
Adair	\$ 2,461.28	\$ 32,787.14		\$ 4,732.07	\$ 60,000.50	\$ 56,400.44	\$ 2,510.15
Adams	2,833.39	37,282.83		1,225.00	41,302.39	39,242.48	2,119.91
Allamakee	9,821.39	47,047.15		9,632.61	66,501.15	62,523.32	18,997.83
Appanoose	28,384.54	47,150.24		379.52	80,454.30	70,294.58	10,249.72
Audubon	16,222.89	47,812.40		2,422.28	66,457.48	63,512.64	2,944.84
Benton	12,719.33	61,250.41		1,098.25	75,067.90	40,719.22	34,318.77
Benton	3,037.20	55,000.72		1,002.11	69,139.63	56,611.08	12,528.55
Boone	6,312.82	32,000.25		10,421.30	48,734.37	45,864.08	2,870.29
Bremer	4,270.45	32,371.73		2,081.81	38,682.90	60,802.55	*2,118.50
Buchanan	1,785.25	41,410.25		473.90	43,669.47	43,619.65	649.82
Butler	1,440.32	21,067.50		107.32	22,615.63	23,113.04	*467.41
Buena Vista	16,110.74	62,673.67		2,334.34	81,308.75	64,304.08	17,294.67
Calhoun	2,641.11	26,009.49		316.84	39,367.44	45,946.39	*10,639.55
Carroll	20,280.13	30,632.18		1,188.23	58,401.54	58,070.97	*12,669.43
Cass	15,616.81	64,137.26		3,771.06	83,525.62	67,479.30	16,046.32
Cedar	32,011.23	50,339.70		111.27	82,362.20	44,179.69	38,182.56
Cherokee	1,440.32	50,739.92		626.70	52,806.94	57,509.19	*1,698.36
Cerro Gordo	9,734.97	60,784.83		1,236.01	71,806.31	67,322.77	10,473.54
Chickasaw	11,171.38	46,032.30		1,219.93	58,423.67	49,660.11	8,763.56
Clarke	*1,171.19	21,822.18		2,467.65	26,118.94	25,005.23	1,022.71
Clay	2,024.16	37,270.66		92.40	39,375.62	32,778.70	6,606.92
Clinton	35,861.39	33,931.63		4,749.00	84,212.28	48,055.92	36,156.46
Clayton	6,461.71	36,973.69	\$ 27,007.04	2,392.05	102,736.69	98,355.26	8,943.43
Crawford	20,308.05	36,049.81		5,406.77	111,704.63	90,592.30	21,202.33
Dallas	1,344.19	33,009.79		6,834.70	37,945.88	39,804.32	*1,668.46
Davis	115.12	36,673.77		6,775.76	55,900.42	50,121.50	5,808.92
Delaware	8,095.68	41,169.38		539.46	105,231.19	95,986.91	9,244.28
Dickinson	2,374.43	41,105.76	60,011.54	2,942.03	36,534.36	22,679.95	1,854.41
Decatur	2,323.36	27,265.97		211.15	13,747.50	3,919.11	9,828.39
Delaware	1,307.38	12,228.97		49,904.33	136,045.77	123,906.23	2,140.54
Delaware	6,514.27	99,330.67		8.47	24,486.27	14,498.34	10,000.98
Emmet	16,187.68	8,306.72		3,655.67	91,742.44	84,795.97	6,946.47
Payette	9,014.56	79,071.81		1,107.87	33,911.24	20,248.85	1,002.39
Floyd	7,413.74	23,330.63					

*Indicates overdraft.

SUMMARY TABLE NO. 20—Continued

	Balance or Overdraft January 1, 1926	Receipts During 1926			Total	Disbursements 1926	Balance or Overdraft January 1, 1927
		Tax Levy	Sale of Bonds	Miscellaneous			
Franklin	27,174.53	15,381.57		1,913.50	44,469.00	34,337.94	10,131.06
Fremont	338.21	47,515.92		4,948.20	52,222.33	50,095.31	2,127.02
Greene	2,342.30	42,418.75		2,051.71	46,712.66	41,606.71	5,015.95
Grundy	1,422.07	43,517.41		1,730.52	46,700.00	45,452.75	1,247.25
Guthrie	30,243.55	57,230.57		7,495.28	39,079.60	31,348.76	*12,996.16
Hamilton	11,239.31	36,921.58		338.54	48,549.43	41,617.03	6,932.40
Hancock	6,726.05	24,005.72		816.05	31,552.32	33,931.02	7,821.30
Hardin	1,958.18	72,089.68		16,847.49	91,495.35	65,734.99	25,760.36
Harrison	10,947.70	46,819.71		1,798.57	30,505.98	54,468.41	5,097.57
Henry	2,486.70	31,140.86		723.77	34,351.33	44,116.35	*9,765.02
Howard	7,185.15	41,277.52		1,746.67	30,309.32	50,738.96	*19,920.30
Humboldt	3,911.07	29,506.58		370.25	33,878.50	22,968.20	10,910.30
Ia	7,796.10	51,803.50		890.23	60,569.89	58,137.72	2,432.17
Iowa	30,358.43	64,118.97		1,174.27	95,551.67	55,303.29	40,048.38
Jackson	62,315.42	34,886.92		3,445.80	100,678.14	68,031.06	32,647.08
Jasper	13,806.50	89,334.80		1,202.42	105,066.48	105,561.19	1,534.29
Jefferson	24,335.30	34,140.35		2,694.32	50,430.43	53,601.07	5,899.36
Johnson	14,586.27	61,038.31		2,631.11	78,975.69	46,375.64	32,700.05
Jones	5,365.05	61,183.63		80.75	66,529.45	57,500.46	9,028.99
Keokuk	14,557.15	51,704.58		4,015.92	70,367.63	70,326.85	10.80
Kossuth	35,835.20	41,754.32			77,089.52	26,768.30	50,821.22
Lee	6,213.38	54,747.35		4,114.30	65,075.03	61,967.40	13,117.63
Linn	4,116.01	87,631.37		1,215.02	92,366.40	84,402.70	7,962.70
Louis	4,608.59	58,804.29		571.63	29,802.12	25,031.14	7,030.98
Lutes	2,389.31	29,459.91		4,756.25	33,605.47	32,654.60	950.31
Lyon	41,840.73	46,474.98		1,697.22	89,912.93	90,529.31	*616.38
Madison	7,066.68	45,521.67		1,846.01	55,431.36	50,461.09	1,982.67
Madaska	21,017.49	51,065.10		888.64	72,901.23	50,830.83	13,170.40
Marion	5,016.62	33,503.43		15,367.11	53,787.16	42,069.86	11,697.31
Marshall	5,711.70	37,627.84		146.01	43,485.55	45,633.70	*2,147.55
Mills	2,168.19	44,308.76		1,138.14	47,605.09	40,336.73	7,268.36
Mitchell	23,292.82	48,088.14		7,646.91	79,028.87	76,647.79	2,381.08
Monona	39.50	39,086.43		3,080.83	62,140.38	44,469.90	17,670.30
Monroe	13,841.10	39,697.33		152.35	49,696.78	36,896.98	3,136.80
Montgomery	10,462.70	51,966.03		2,307.28	64,676.01	30,544.07	14,182.94
Muscatine	3,639.61	30,419.25		1,131.62	35,181.53	19,331.13	15,850.40
O'Brien	32,649.80	38,100.35		1,925.79	72,336.00	48,307.91	24,028.09
Osceola	5,854.98	17,206.78		2,029.05	26,084.81	30,057.93	*3,973.12
Page	3,685.03	63,550.28		1,180.57	68,416.92	30,351.49	8,885.33
Palo Alto	300.32	35,973.08		411.45	36,684.25	32,408.35	3,275.90
Plymouth	2,153.89	70,282.70		4,372.94	76,909.53	70,618.00	6,291.44
Pocahontas	56,854.15	36,247.07		2,689.04	85,700.86	62,514.83	23,276.03
Polk	6,397.08	70,372.02		3,313.09	79,982.79	79,613.35	369.44
Pottawattamie	77,100.89	15,903.58	42,402.00	1,056.33	132,531.11	121,631.16	11,159.95
Poweshiek	3,103.08	72,803.75		974.93	76,881.76	64,470.48	12,411.28
Ringgold	20,963.28	34,967.80		638.37	56,319.54	38,812.17	17,507.37
Sac	28,903.42	69,804.40		574.87	99,342.75	57,189.16	42,153.59
Scott	4,789.13	24,975.91		406.67	30,171.71	26,106.31	4,065.40
Shelby	9,405.54	67,464.92		9,643.01	86,513.78	85,419.34	1,094.44
Sioux	25,473.45	61,135.10		22,850.07	109,518.62	105,146.59	4,372.03
Story	1,755.15	47,692.35		540.15	49,927.65	33,751.76	16,175.89
Tama	21,496.69	85,682.21		235.68	107,311.48	64,806.99	42,414.49
Taylor	1,434.33	49,505.29		11,658.57	62,688.39	61,529.78	1,158.61
Union	62,541.55	35,961.80		416.99	88,920.34	29,260.50	69,659.84
Van Buren	4,131.38	36,728.65		846.54	41,709.57	38,250.82	3,458.75
Wapello	14,410.12	43,075.54		1,549.78	59,035.45	43,836.05	15,209.42
Warren	42,383.27	55,181.48		1,401.34	98,865.09	53,262.01	45,603.08
Washington	25,172.64	72,366.37		2,183.14	99,922.15	68,728.13	31,194.02
Wayne	6,789.31	41,850.27		1,449.58	50,089.11	47,106.19	2,982.92
Webster	25,094.27	32,445.89		220.00	77,700.16	50,641.29	27,058.87
Winnebago	3,749.98	15,774.99		257.25	19,778.23	9,083.29	10,694.94
Winneshiek	2,373.71	63,744.35		6,241.15	73,159.21	66,652.19	6,507.02
Woodbury	5,503.03	82,309.97		2,037.75	91,410.76	86,281.24	4,529.42
Worth	1,383.36	26,545.37		119.87	38,048.60	36,066.84	1,981.76
Wright	19,443.33	29,946.17		7,072.65	56,461.55	45,732.31	12,708.74
Total	\$1,145,347.27	\$4,779,968.09	\$ 130,571.18	\$ 336,711.57	\$6,391,629.01	\$5,222,738.22	\$ 1,068,890.79

*Indicates overdrafts.

SUMMARY TABLE NO. 21

Financial Statement—County Road Fund—Annual Report of County Engineers

County	Balance or Overdraft Jan. 1, 1926	RECEIPTS						Disbursements 1926	Balance or Overdraft Jan. 1, 1927	
		Tax Levy	Gasoline Tax	Sale of Bonds	Refunds from Townships	Refunds from Primary Road Fund	Special Assessment and Miscellaneous			Totals
Adair	\$ 10.61	\$ 16,016.50	\$ 14,220.00		\$ 10,406.00		\$ 451.58	\$ 41,684.28	\$ 41,328.10	\$ 353.82
Adams	18,727.41	20,740.07	12,152.86			\$ 1,168.50	1,282.81	32,381.06	30,108.19	2,272.87
Albama	19,035.93	20,168.05	19,067.37		5,502.00	1,693.39	12,615.35	70,167.50	58,535.64	11,631.86
Appanoose	4,051.36	31,016.14	14,907.32			2,007.76	2,317.58	54,210.16	43,815.39	10,394.77
Audubon	13,576.59	30,400.55	12,835.22			2,191.32	127.80	45,944.43	38,806.41	10,138.02
Benton	38,774.32	47,109.61	30,394.22			12,075.99	2,389.54	130,006.68	68,533.25	61,473.43
Black Hawk	28,631.91	50,031.83	18,108.80			10,736.43	10,500.00	90,279.02	16,230.04	74,048.98
Boone	2,235.15	20,196.80	16,460.49		21,300.70	475.15	79,045.39	139,763.74	137,529.32	2,234.42
Bremser	2,906.42	28,809.92	12,307.07			1,704.94	45,851.35	46,489.72	668.37	
Buchanan	7,339.54	31,897.54	16,137.89		1,223.03	2,456.57	10,550.10	58,840.43	11,718.68	47,121.75
Buena Vista	*19,225.66	40,045.16	12,850.57		23,688.90	30,819.52	79,381.55	108,657.08	28,370.53	80,286.55
Butler	10,213.17	29,674.95	12,465.94		1,335.50	1,326.64	11,310.82	65,737.02	46,913.98	18,823.04
Calhoun	7,166.68	41,170.47	16,329.35		14,868.08	35,040.39	114,567.28	91,626.40	22,940.88	68,685.52
Carrroll	10,314.41	31,449.59	16,279.67			14,378.62	7,222.29	69,570.48	52,501.81	17,068.67
Cass	28,143.34	27,487.40	15,829.97			4,963.61	75,414.32	38,586.39	37,877.93	708.46
Cedar	11,484.33	10,947.94	15,315.08		150.00	4,915.60	1,263.34	43,679.29	15,113.31	28,565.98
Cerro Gordo	4,880.33	55,172.70	16,305.07		4,734.55	1,701.35	18,915.43	100,510.53	95,099.49	5,411.04
Cherokee	8,086.04	28,680.57	19,308.17		105.00	1,804.17	9,062.23	55,800.78	48,232.50	7,568.28
Chickasaw	9,180.37	16,140.15	14,145.15		1,087.20	4,463.94	2,611.07	43,463.94	42,640.35	823.59
Clarke	7,755.64	10,091.74	12,181.33			2,789.37	6,707.47	36,441.81	34,445.97	1,995.84
Clay	*17,765.89	35,484.81	16,308.19		8,448.94	2,411.72	23,269.87	68,549.91	84,594.83	*16,975.60
Clayton	6,070.63	32,694.32	22,484.21		2,553.50	10,391.67	1,025.65	75,142.97	72,117.80	3,025.18
Clinton	31,949.41	45,979.07	30,175.85			4,119.39	1,852.69	104,573.73	77,184.38	27,389.35
Crawford	37,775.70	44,254.30	30,304.64			3,732.89	507.84	106,585.07	85,434.27	21,150.80
Dallas	*15,151.14	31,586.15	11,386.72				55,754.98	83,376.60	100,161.35	*16,584.69
Davis	1,353.65	20,666.36	14,257.44		425.00	10,870.65	47,703.10	45,242.50	2,550.00	
Des Moines	3,429.13	39,650.19	15,169.72		888.31	2,439.31	2,660.98	43,342.03	45,487.47	2,144.56
Delaware	38,913.81	32,305.87	16,261.94			1,689.15	2,244.51	66,501.44	49,771.64	16,729.80
Des Moines	*15,938.42	28,698.28	15,137.78				2,000.00	39,177.94	22,669.83	16,508.11
Dickinson	7,774.73	17,762.91	13,627.11			6,842.38	45,007.13	35,900.97	9,016.16	25,884.81
Dubuque	38,714.78	90,066.97	31,066.94		82.44	4,929.34	130,187.30	99,119.54	31,076.85	68,142.69
Emmet	19,370.59	26,406.77	12,985.25				45,608.10	34,784.05	6,706.05	
Fayette	11,922.51	32,860.07	20,865.77		9,601.40	7,621.37	25,292.50	107,704.02	97,802.11	9,901.91
Floyd	3,717.90	31,209.64	14,088.39		4,877.28	3,902.10	8,407.52	66,302.70	63,197.86	3,104.84
Franklin	663.03	36,759.52	16,450.48		2,015.70	4,173.82	50,948.45	50,897.55	5,000.00	5,897.55
Fremont	9,351.00	31,681.50	14,856.67		928.70	490.15	33,726.55	35,750.71	12,977.04	22,773.67
Greene	1,454.38	33,682.92	16,302.55			15,106.94	66,667.67	55,702.09	10,965.58	
Grundy	5,806.29	34,814.02	14,238.69		600.00	15,697.39	17,146.47	74,646.70	*3,500.23	71,146.47
Guthrie	7,345.52	33,043.88	27,374.02			3,070.88	71,034.30	67,506.61	3,527.69	
Hamilton	13,116.00	46,071.62	16,222.79			9,084.32	8,240.27	58,385.09	74,776.49	16,388.60
Hancock	15,361.71	25,709.62	16,308.17			1,045.32	4,822.36	66,507.18	65,199.40	1,307.78
Hardin	4,206.77	41,536.90	19,194.28			84,304.00	96,793.06	89,744.39	7,949.50	
Harrison	20,029.04	9,963.95	30,994.25			1,672.43	3,913.51	74,243.18	28,394.38	45,848.80
Henry	6,736.02	20,762.18	12,192.83			2,400.34	2,532.66	44,633.43	35,289.74	9,343.69
Howard	*361.19	18,921.65	13,919.73			8,139.46	39,319.65	37,121.34	2,198.31	
Humboldt	9,338.01	27,097.36	13,329.00		9,324.02	1,700.25	3,696.44	62,841.56	60,800.53	2,041.03
Ida	19,791.33	39,677.69	12,528.25		5,594.55	4,518.53	307.54	69,397.40	62,021.34	7,376.06
Iowa	40,918.16	22,042.93	19,520.90			7,079.39	7,079.39	97,462.19	45,794.33	51,667.86
Jackson	62,423.04	30,027.82	18,471.18			2,277.96	548.97	94,647.97	27,135.00	67,512.97
Jasper	10,239.68	28,548.52	20,776.88			12,836.62	82,408.10	70,719.06	11,689.04	
Jefferson	12,809.23	20,664.15	12,269.99			5,119.33	50,889.50	39,824.81	11,065.69	
Johnson	19,882.89	44,374.05	17,389.69	\$ 55,000.00		10,348.70	147,175.30	118,025.36	29,149.94	
Jones	7,941.61	35,221.55	16,194.34		1,222.00	14,434.22	68,016.63	69,311.30	5,705.34	
Keokuk	17,500.63	32,231.59	16,570.45			1,784.78	60,245.48	32,096.02	3,708.76	
Kosciusko	29,720.63	51,839.63	36,222.04		6,312.50	14,110.64	4,800.12	143,165.35	81,694.33	61,471.02
Lee	*11,134.42	37,424.85	24,623.06			150.00	8,032.67	55,768.21	55,686.38	81.83
Linn	20,957.17	38,980.70	20,112.84		3,500.00	3,214.97	3,889.93	145,122.61	122,222.04	22,900.57
Lucas	7,000.24	17,700.38	11,949.21			1,861.65	1,145.99	42,667.56	39,286.42	3,381.14
Linn	1,432.76	15,875.94	12,955.15		1,466.28	2,440.54	2,440.54	32,044.19	31,657.66	386.53
Lyon	5,891.07	26,737.15	17,848.69			2,549.45	307.79	35,130.17	40,090.45	14,899.28
Madison	22,769.78	15,672.56	16,022.50				187.32	32,613.55	39,657.71	12,955.84
Mahaska	15,114.16	20,943.31	16,925.06			5,312.20	4,436.69	70,911.33	32,121.89	38,789.44
Marion	9,973.73	25,124.15	16,422.00		2,319.30	338.40	943.92	70,850.00	55,137.00	15,713.00
Marshall	9,809.29	23,532.13	16,279.68		3,712.91	1,177.68	7,058.68	61,350.97	58,322.96	3,028.01
Mills	3,363.68	13,469.16	12,729.08			467.11	1,132.14	35,794.42	32,090.62	3,703.80
Mitchell	451.95	20,790.13	13,177.48				22,817.81	62,873.00	50,464.05	12,408.95
Monona	18,734.74	17,730.31	20,150.41			4,232.15	69,838.61	24,346.56	56,612.06	28,224.50
Monroe	2,363.42	5,023.58	13,369.69			13,218.29	35,071.98	30,079.78	4,092.50	
Montgomery	1,869.50	17,054.86	13,109.99			6,310.14	37,924.49	28,935.31	9,015.15	
Muscatine	6,539.95	27,701.16	12,788.47		1,915.39	6,675.73	7,192.49	73,168.12	51,941.76	21,226.36
O'Brien	22,049.02	42,302.99	19,194.29			8,073.46	8,227.65	92,841.53	72,765.11	20,076.42
Oseola	15,820.79	21,317.38	10,668.74			64.23	6,541.51	55,000.05	46,016.80	8,983.25
Page	*12,825.77	36,066.41	15,112.79					38,381.43	32,979.41	5,402.02
Palo Alto	12,572.51	21,630.68	16,279.68		13,106.72	2,926.16	10,177.76	79,672.80	79,810.83	3,187.97
Plymouth	51,847.36	56,306.12	24,504.90			5,036.63	1,860.27	180,569.28	50,077.12	130,492.16
Pocahontas	12,526.37	34,576.67	16,507.49		4,982.49	1,889.69	4,251.64	74,870.39	63,061.38	11,809.01
Polk	7,629.30	148,173.94	10,974.21				11,325.59	184,096.34	185,782.65	3,314.69

*Indicates overdrafts.

SUMMARY TABLE NO. 21—Continued

County	RECEIPTS							Totals	Debursements 1929	Balance or Overdraft Jan. 1, 1927
	Balance of Overdraft Jan. 1, 1929	Tax Levy	Gasoline Tax	Sale of Bonds	Refunds from Townships	Refunds from Primary Road Fund	Special Assessment and Miscellaneous			
Pottawatomie.....	15,082.18	46,300.18	27,395.65				870.57	57,000.21	29,054.37	
Poweshiek.....	2,136.61	31,901.09	16,507.42		11,334.79		17,854.71	74,754.53	35,752.12	
Ringgold.....	5,109.34	8,906.82	15,085.94	600.00	600.00		1,822.58	30,724.28	30,404.68	
Scott.....	7,981.43	14,000.00	12,175.65	2,100.00	960.45		3,967.52	30,311.55	36,147.44	
Shelby.....	9,356.50	54,309.07	15,570.45				30,707.23	90,927.14	51,815.35	
Sioux.....	9,205.55	28,933.50	16,703.52	2,100.00	6,231.58		908.41	55,901.56	4,872.81	
Story.....	11,056.50	40,500.82	21,030.32		4,400.39		12,289.58	87,338.55	44,135.81	
Wade.....	6,939.75	47,803.68	36,127.42	5,903.87	1,631.19		422.54	62,254.14	25,050.31	
Wanna.....	22,171.01	29,651.90	23,310.20	1,827.97			44,875.34	14,811.39	9,006.46	
Wasson.....	10,200.74	27,119.88	12,119.82				4.52	30,205.00	3,917.13	
Union.....	2,500.65	13,801.97	15,305.95		1,233.50		510.52	29,485.28	31,044.04	
Wapello.....	9,325.87	27,805.45	12,465.94		1,885.79		3,286.62	41,445.60	42,653.95	
Warren.....	20,328.64	37,300.51	16,251.43		1,581.72		2,483.77	61,480.21	3,697.12	
Washington.....	11,000.81	15,005.71	15,005.71	975.25			2,478.40	30,932.59	27,501.94	
Wayne.....	7,934.10	13,000.00	12,000.00				24,179.40	36,932.59	37,501.94	
Weber.....	27,450.57	24,900.70	9,927.31		1,927.00	1.80	35.15	42,599.20	53,053.43	
Winnebago.....	9,033.39	21,703.01	11,355.05				62.80	34,864.25	9,000.00	
Winneshiek.....	17,479.72	35,506.22	19,524.27		1,827.00		13,250.20	68,908.28	8,080.20	
Woodbury.....	40,830.54	66,829.00	24,088.78				12,116.52	132,005.15	25,877.17	
Woodworth.....	3,887.13	21,255.01	11,055.93		1,413.20		15,706.95	41,158.30	3,613.09	
Wright.....	11,883.89	40,686.40	14,854.85					90,150.10	71,592.81	
Total.....	\$1,231,437.17	\$1,034,323.80	\$1,020,784.50	\$ 55,000.00	\$187,307.08	\$213,340.00	\$70,300.22	\$7,228,060.05	\$3,811,901.53	\$ 1,426,871.30

*Indicates overdraft.

SUMMARY TABLE NO. 22
Financial Statement—Township Road, Drag and Drainage Funds—Annual Report of County Engineers

County	Balance of Overdraft Jan. 1, 1926	Receipts 1926	Total	Disbursements 1926	Balance of Overdraft Jan. 1, 1927
Adair.....	\$ 12,219.40	\$ 47,300.88	\$ 59,519.28	\$ 46,302.80	\$ 13,216.48
Adams.....	6,486.16	43,248.56	49,734.72	38,279.00	11,455.72
Alfalfa.....	4,478.01	37,122.03	41,600.04	35,796.19	5,803.85
Anneke.....	9,770.18	64,328.80	74,101.38	53,177.61	20,923.77
Audubon.....	5,401.63	28,292.63	33,694.28	28,828.12	4,866.16
Benton.....	10,922.33	90,228.72	110,151.05	81,279.00	28,871.90
Black Hawk.....	18,091.12	79,044.70	97,135.82	76,867.29	20,268.53
Boone.....	25,528.60	118,519.14	144,047.74	118,156.93	25,890.81
Bremer.....	4,270.94	32,374.51	37,645.45	32,656.80	4,988.65
Buchanan.....	14,790.99	67,806.39	82,597.38	68,404.61	14,192.77
Butter.....	30,243.72	75,294.55	105,538.27	75,073.03	30,465.24
Butler.....	10,794.01	70,022.40	80,816.41	64,587.00	16,229.41
Calhoun.....	34,928.28	89,791.54	124,719.82	93,392.65	31,327.17
Cass.....	10,971.10	70,840.51	81,811.61	68,900.63	12,910.98
Central.....	15,863.51	55,038.42	71,401.93	55,584.71	15,817.22
Cedar.....	15,168.29	68,569.15	83,737.44	68,888.99	14,848.45
Cerro Gordo.....	33,259.29	82,950.44	116,209.73	81,275.91	34,933.82
Cherokee.....	12,171.40	63,901.39	76,072.79	59,779.87	16,292.92
Chickasaw.....	8,187.10	62,791.22	70,978.42	61,853.26	9,125.16
Clarke.....	4,187.27	36,084.56	40,271.83	29,519.06	10,752.77
Clay.....	55,009.22	68,791.34	123,800.56	68,467.44	55,333.12
Clayton.....	11,158.21	48,836.52	59,994.73	43,395.76	16,600.00
Delaware.....	17,815.91	4,433.28	22,249.19	15,074.89	7,174.30
Crawford.....	14,700.83	70,505.34	85,206.17	66,050.63	19,155.54
Dallas.....	25,755.16	109,539.44	135,294.60	108,827.06	26,467.54
Davis.....	10,576.29	50,011.90	60,588.29	48,387.07	12,201.22
DeWaver.....	12,837.99	34,081.51	47,519.50	30,704.78	16,814.72
Des Moines.....	8,452.58	65,558.94	74,011.52	61,392.65	12,618.87
Des Moines.....	11,256.98	51,463.88	62,720.86	44,551.70	18,169.16
Dickinson.....	11,766.40	47,451.59	59,217.99	41,208.79	17,999.20
Dubuque.....	14,178.56	70,080.07	84,258.63	78,100.42	6,158.21
Emmet.....	53,925.43	44,862.95	98,788.38	60,830.01	37,958.37
Fayette.....	12,076.73	67,160.80	79,237.53	65,304.08	13,933.45
Flora.....	12,813.71	71,309.73	84,123.44	74,221.56	9,901.88
Franklin.....	22,066.14	74,305.07	96,371.21	75,383.70	20,987.51
Fremont.....	10,682.94	58,240.50	68,923.44	53,384.08	15,539.36
Greene.....	28,038.69	105,512.10	133,550.79	95,528.17	38,022.62
Grundy.....	61,439.15	61,828.02	123,267.17	53,823.64	69,443.53
Guthrie.....	18,768.99	72,390.40	91,159.39	75,184.77	15,974.62
Hamilton.....	51,482.19	77,151.91	128,634.10	75,090.29	53,543.81
Hancock.....	22,472.92	72,460.00	94,932.92	71,269.65	23,663.27
Harrison.....	23,078.62	74,715.35	97,793.97	74,570.17	23,223.80
Harrison.....	31,823.63	89,791.51	121,615.14	85,268.64	36,346.50
Henry.....	7,139.02	32,088.60	39,227.62	31,085.50	8,142.12
Howard.....	16,908.24	51,165.27	68,073.51	53,092.10	14,981.41
Humboldt.....	24,644.55	50,270.71	74,915.26	46,475.00	28,440.26
Ia.....	35,388.63	41,751.19	77,139.82	59,286.15	17,853.67
Iowa.....	27,828.63	71,944.63	99,773.26	75,671.86	24,101.40
Jackson.....	8,123.52	54,027.80	62,151.32	48,673.84	13,477.48
Jasper.....	8,384.11	39,407.04	47,791.15	30,132.81	17,658.34
Jefferson.....	12,894.87	65,174.97	78,069.84	61,743.15	16,326.69
Johnson.....	10,882.22	59,158.71	70,040.93	53,182.68	16,858.25
Jones.....	9,390.70	49,806.74	59,197.44	49,946.18	9,251.26
Keokuk.....	14,242.02	70,778.78	85,020.80	70,098.41	14,922.39
Keosauqua.....	3,550.20	58,534.17	62,084.37	53,007.61	9,076.76
Lee.....	19,841.08	58,867.50	78,708.58	56,787.47	21,921.11
Lincoln.....	16,641.20	107,941.48	124,582.68	107,729.00	16,853.68
Louis.....	8,937.44	28,708.80	37,646.24	30,617.88	7,028.36
Luce.....	7,843.12	41,837.84	49,680.96	44,599.10	5,081.86
Lyon.....	29,068.80	58,730.70	87,800.50	49,393.50	38,407.00
Madison.....	5,990.69	60,961.79	66,952.48	58,367.14	8,585.34
Madison.....	12,027.14	103,918.00	115,945.14	81,413.07	34,532.07
Marion.....	12,472.27	74,180.21	86,652.48	73,645.81	13,006.67
Marshall.....	36,465.54	61,735.00	98,200.54	51,500.11	46,699.43
Mills.....	5,602.08	48,354.38	53,956.46	49,513.22	4,443.24
Mitchell.....	11,789.10	55,395.52	67,184.62	41,145.95	26,038.67
Monona.....	7,784.13	62,350.73	70,134.86	49,504.94	20,629.92
Monroe.....	7,963.53	44,880.97	52,844.50	44,866.63	7,977.87

SUMMARY TABLE NO. 22—Continued

County	Balance of Overdraft Jan. 1, 1926	Receipts 1926	Total	Disbursements 1926	Balance or Overdraft Jan. 1, 1927
Montgomery	6,397.44	44,571.64	50,972.08	38,509.50	12,302.58
Muscatine	21,746.16	53,297.15	75,043.25	56,441.67	18,571.68
O'Brien	44,114.15	72,297.58	116,401.73	53,885.29	62,516.44
Oscola	22,433.28	49,802.83	72,236.11	49,307.84	22,928.27
Page	12,574.03	50,815.46	63,389.49	47,045.23	16,344.26
Palo Alto	21,249.66	65,014.69	86,264.35	63,006.40	23,257.95
Plymouth	15,249.66	69,915.01	85,164.67	56,450.12	28,714.55
Pocahontas	37,451.57	92,447.34	129,898.91	88,681.03	41,217.88
Polk	11,735.34	65,422.01	77,157.35	53,622.28	23,535.07
Pottawattamie	11,323.77	61,137.57	72,461.34	54,877.07	17,584.27
Poweshiek	15,909.47	74,069.75	90,000.22	65,735.21	24,264.01
Ringgold	7,768.16	31,220.02	38,988.18	27,600.15	11,388.03
Sac	41,379.89	86,375.85	127,755.65	86,048.46	41,707.19
Scott	26,054.80	65,620.47	91,675.27	64,536.80	27,138.47
Shelby	16,048.74	83,069.47	99,118.21	79,268.21	19,850.00
Sioux	32,099.72	100,068.12	132,167.84	92,259.38	40,908.46
Story	37,778.29	55,630.29	93,408.58	85,280.42	8,128.16
Tama	17,261.37	87,793.46	105,054.83	78,454.19	26,600.64
Taylor	11,638.83	53,761.70	65,399.53	54,112.60	11,276.93
Union	7,932.17	32,278.77	40,210.94	32,216.85	7,994.09
Van Buren	13,874.95	44,675.74	58,550.69	42,949.79	15,600.90
Wapello	16,019.24	56,193.24	72,212.48	55,297.88	16,914.60
Warren	9,343.78	66,070.58	75,414.36	61,245.30	14,169.06
Washington	11,123.39	76,500.18	87,623.57	75,433.05	12,190.52
Wayne	8,530.61	39,948.18	48,478.69	38,987.25	9,491.44
Webster	24,592.81	100,425.65	125,018.46	96,632.75	28,385.71
Winnebago	17,484.45	65,941.08	83,425.53	61,645.51	21,780.02
Winnesiek	5,085.03	39,736.96	44,822.00	38,493.73	6,328.27
Woodbury	16,273.67	72,836.73	89,110.40	67,400.14	21,710.26
Worth	9,074.18	46,333.32	55,407.50	42,158.92	13,248.58
Wright	17,399.92	70,192.09	87,592.01	66,001.29	21,590.72
Total	81,766,386.42	46,378,416.49	128,144,802.91	85,978,854.30	42,165,948.61

SUMMARY TABLE NO. 23
Bonded Indebtedness of Counties—Annual Report of County Engineers

County	County Road				Bridges			
	Bonds Outstanding Jan. 1, 1926	Bonds Issued 1926	Bonds Paid 1926	Bonds Outstanding Jan. 1, 1927	Bonds Outstanding Jan. 1, 1926	Bonds Issued 1926	Bonds Paid 1926	Bonds Outstanding Jan. 1, 1927
Adair	61,820.18			61,820.18				
Adams	93,000.00			93,000.00				
Albany	123,775.15			123,775.15				
Appanoose	156,000.00			156,000.00				
Audubon	175,000.00			175,000.00				
Black Hawk	300,000.00			300,000.00				
Boone	25,226.00			25,226.00				
Bremner	22,300.00			22,300.00				
Buchanan	281,000.00			281,000.00				
Buena Vista	52,000.00			52,000.00				
Calhoun	65,000.00			65,000.00				
Carroll	103,000.00			103,000.00				
Cedar	20,000.00			20,000.00				
Cerro Gordo	23,000.00			23,000.00				
Cherokee	382,000.00			382,000.00				
Chickasaw	100,400.00			100,400.00				
Clarke	111,132.18			111,132.18				
Clay	179,170.00			179,170.00				
Clayton	70,000.00			70,000.00				
Crawford	515,000.00			515,000.00				
Dallas	211,887.36			211,887.36				
Davies	169,500.00			169,500.00				
Decatur	161,000.00			161,000.00				
Des Moines	49,800.00			49,800.00				
Dickinson								
Dubuque	214,000.00			214,000.00				
Adair	70,000.00			70,000.00				
Adams	515,000.00			515,000.00				
Albany	211,887.36			211,887.36				
Appanoose	169,500.00			169,500.00				
Audubon	161,000.00			161,000.00				
Black Hawk	49,800.00			49,800.00				
Boone								
Bremner								
Buchanan								
Buena Vista								
Calhoun								
Carroll								
Cedar								
Cerro Gordo								
Cherokee								
Chickasaw								
Clarke								
Clay								
Clayton								
Crawford								
Dallas								
Davies								
Decatur								
Des Moines								
Dickinson								
Dubuque								

SUMMARY TABLE NO. 23—Continued

County	Bridge			County Road			
	Bonds Outstanding Jan. 1, 1926	Bonds Issued 1926	Bonds Paid 1926	Bonds Outstanding Jan. 1, 1926	Bonds Issued 1926	Bonds Paid 1926	Bonds Outstanding Jan. 1, 1927
Adair	117,000.00	8,000.00	100,000.00	151,820.00	4,000.00	147,820.00	147,820.00
Adams	385,500.00	30,500.00	355,000.00	40,000.00		40,000.00	40,000.00
Adelphi	337,000.00	14,000.00	323,000.00	78,001.08		78,001.08	78,001.08
Adrian	384,000.00	15,000.00	369,000.00	335,000.00		335,000.00	335,000.00
Adwaita	232,916.91	10,000.00	222,916.91	71,000.00		71,000.00	71,000.00
Adrian	15,000.00		15,000.00	32,085.09		32,085.09	32,085.09
Adrian	310,470.42	10,612.17	300,858.25	176,878.22		176,878.22	176,878.22
Adrian	142,500.00	7,500.00	135,000.00	25,000.00		25,000.00	25,000.00
Adrian	12,800.00	2,500.00	9,300.00	27,202.00		27,202.00	27,202.00
Adrian	46,000.00		46,000.00	46,000.00		46,000.00	46,000.00
Adrian	285,078.85	5,000.00	280,078.85	148,000.00		148,000.00	148,000.00
Adrian	149,000.00	7,000.00	142,000.00	18,181.00		18,181.00	18,181.00
Adrian	320,000.00	5,000.00	315,000.00	198,000.00		198,000.00	198,000.00
Adrian	62,151.91	5,000.00	57,151.91	40,468.00		40,468.00	40,468.00
Adrian	85,931.29		85,931.29	50,000.00		50,000.00	50,000.00
Adrian	41,446.00	4,446.00	37,000.00	11,000.00		11,000.00	11,000.00
Adrian	130,500.00	15,000.00	115,500.00	380,000.00		380,000.00	380,000.00
Adrian	22,468.80		22,468.80	100,000.00		100,000.00	100,000.00
Adrian	117,000.00	22,000.00	95,000.00	100,000.00		100,000.00	100,000.00
Adrian	105,100.00	7,000.00	98,100.00	65,000.00		65,000.00	65,000.00
Adrian	84,456.68		84,456.68	15,543.02		15,543.02	15,543.02
Adrian	54,320.82	2,884.11	51,436.71	27,789.26		27,789.26	27,789.26
Adrian	285,441.88	10,000.00	275,441.88	20,500.19		20,500.19	20,500.19
Adrian	285,441.88	10,000.00	275,441.88	20,500.19		20,500.19	20,500.19
Adrian	104,000.00	16,000.00	88,000.00	143,000.00		143,000.00	143,000.00
Adrian	30,500.00	4,000.00	26,500.00	307,500.00		307,500.00	307,500.00
Adrian	173,000.00	42,000.00	131,000.00	323,000.00		323,000.00	323,000.00
Adrian	96,034.21	3,542.00	92,492.21	61,000.00		61,000.00	61,000.00
Adrian	137,000.00	9,100.00	128,000.00	33,784.76		33,784.76	33,784.76
Adrian	437,000.00	11,000.00	426,000.00	61,100.00		61,100.00	61,100.00
Adrian	111,000.00	10,000.00	101,000.00	29,600.00		29,600.00	29,600.00
Adrian	30,000.00		30,000.00	283,000.00		283,000.00	283,000.00
Adrian	304,008.51	5,000.00	299,008.51	29,001.49		29,001.49	29,001.49
Adrian	30,705.38	4,885.49	25,819.89	47,782.27		47,782.27	47,782.27
Adrian	112,000.00		112,000.00	5,000.00		5,000.00	5,000.00
Adrian	596,500.00	3,000.00	593,500.00	8,000.00		8,000.00	8,000.00
Adrian	85,000.00	4,000.00	81,000.00	10,000.00		10,000.00	10,000.00
Adrian	11,138.99	4,000.00	7,138.99	14,354.71		14,354.71	14,354.71
Adrian	120,000.00	50,000.00	70,000.00	60,000.00		60,000.00	60,000.00
Adrian	118,000.00	30,000.00	88,000.00	23,000.00		23,000.00	23,000.00
Adrian	98,000.00	10,000.00	88,000.00	40,000.00		40,000.00	40,000.00
Adrian	\$3,360,680.49	\$67,441.77	\$3,293,238.72	\$ 7,147,351.55	\$ 55,000.00	\$ 7,202,341.55	\$ 7,202,341.55

Adrian	265,000.00		265,000.00	11,000.00		11,000.00	11,000.00
Adrian	178,051.26		178,051.26	3,000.00		3,000.00	3,000.00
Adrian	13,000.00		13,000.00	10,000.00		10,000.00	10,000.00
Adrian	130,000.00		130,000.00	9,785.00		9,785.00	9,785.00
Adrian	92,386.00		92,386.00	5,000.00		5,000.00	5,000.00
Adrian	15,281.25		15,281.25	1,000.00		1,000.00	1,000.00
Adrian	143,000.00		143,000.00	8,000.00		8,000.00	8,000.00
Adrian	347,000.00		347,000.00	6,000.00		6,000.00	6,000.00
Adrian	52,500.00		52,500.00	8,500.00		8,500.00	8,500.00
Adrian	33,333.76		33,333.76	251.00		251.00	251.00
Adrian	37,800.00		37,800.00	3,000.00		3,000.00	3,000.00
Adrian	20,000.00		20,000.00	5,000.00		5,000.00	5,000.00
Adrian	278,000.00		278,000.00	2,016.51		2,016.51	2,016.51
Adrian	20,001.49		20,001.49	6,000.00		6,000.00	6,000.00
Adrian	46,106.76		46,106.76	2,000.00		2,000.00	2,000.00
Adrian	5,000.00		5,000.00	8,000.00		8,000.00	8,000.00
Adrian	8,000.00		8,000.00	10,000.00		10,000.00	10,000.00
Adrian	8,354.71		8,354.71	14,354.71		14,354.71	14,354.71
Adrian	26,000.00		26,000.00	60,000.00		60,000.00	60,000.00
Adrian	96,000.00		96,000.00	23,000.00		23,000.00	23,000.00
Adrian	60,000.00		60,000.00	40,000.00		40,000.00	40,000.00
Adrian	28,000.00		28,000.00	406,913.43		406,913.43	406,913.43
Adrian	1,542,746.90		1,542,746.90	\$ 7,147,351.55	\$ 55,000.00	\$ 7,202,341.55	\$ 7,202,341.55

SUMMARY TABLE NO. 24

Total Indebtedness of Counties for County Roads and Bridges January 1, 1927—Annual Report of County Engineers

County	Bridges		Roads		Total	Total County Road and Bridge Indebtedness
	Warrants Outstanding and Stamped	Warrants Issued and Not Stamped	Warrants Outstanding	Warrants Issued and Not Stamped		
Adair						82,085.36
Adams						50,000.00
Allamakee						17,688.30
Appanoose						72,514.54
Audubon	\$ 1,500.00	\$ 84.34				166,200.00
Black Hawk	827.00					27,400.00
Boone	4,000.00	182.42				177,058.80
Bremer						68,576.25
Buchanan						40,000.00
Buena Vista						40,000.00
Calhoun	2,900.36					327,500.00
Cass						295,000.00
Cedar						29,001.42
Cerro Gordo	147.65					40,000.00
Chickasaw						235,157.18
Clarke	\$ 1,500.00					113,307.57
Clay	162.56					443,337.87
Clayton	1,357.89					159,725.98
Clinton						199,383.50
Dallas	12,000.00	63.02				435,763.58
Davidson	1,330.76	1,400.36				141,856.00
DeWitt						853,774.88
Dubuo						600,354.76
Dwight						194,728.01
Emmet	346.00	1,800.00				45,549.00
Franklin	100.00					129,770.13
Hamilton						200.00
Harmon						500.00
Harrison						200.00
Humboldt						100.00
Iowa						500.00
Jackson						100.00
Jasper						100.00
Jefferson						100.00
Johnson						100.00
Jones						100.00
Keokuk						100.00
Kossuth						100.00
Lee						100.00
Linn						100.00
Louis						100.00
Lucas						100.00
Lyon						100.00
Madison						100.00
Mahaska						100.00
Marion						100.00
Marshall						100.00
Mills						100.00
Mitchell						100.00
Monona						100.00

SUMMARY TABLE NO. 25

Classification of Township Road Work—Annual Report of County Engineers

County	No. of Townships in County	No. of Townships Reporting	Construction	Maintenance	Special Cases (Railroad Crossings)	Total
Adair	19	14		\$ 31,006.70		\$ 51,006.70
Adams	12	11	40.00	38,339.61		38,379.61
Allamakee	18	10		34,307.89		34,307.89
Appanoose	17	17		55,025.54		55,025.54
Audubon	12	6		31,373.89	\$ 125.97	31,499.86
Black Hawk	20	10		114,615.57		114,615.57
Boone	18	18	6,308.30	71,535.79		77,844.09
Bremer	17	17	107,307.79	49,787.45	5,040.36	162,095.60
Buchanan	14	19	10,332.93	23,732.53		34,065.46
Buena Vista	16	15	32,306.81	36,637.80		68,944.61
Calhoun	17	13	96,130.13	30,007.30		126,137.43
Cass	16	16	3,528.00	60,038.41		63,566.41
Cedar	16	16	19,513.22	51,528.29		71,041.51
Cerro Gordo	16	15	19,715.08	55,430.28	1,923.33	77,068.69
Chickasaw	16	13		57,184.71		57,184.71
Clarke	17	13		56,441.48		56,441.48
Clay	16	16	31,738.12	63,408.94		95,147.06
Clayton	16	14	4,911.57	49,132.76	5,735.54	59,779.87
Clinton	13	12	5,139.85	55,109.06	1,969.01	62,217.92
Crawford	12	9	6,253.50	22,650.56		28,904.06
Dallas	16	15	28,508.45	33,270.89		61,779.34
Davidson	22	12	44,079.45			44,079.45
Davis	20	16	16,192.79	59,661.63		75,854.42
DeWitt	30	14		37,073.59		37,073.59
Deer	16	16	69,909.78	51,173.90		121,083.68
Delaware	15	15	48,387.07	37,920.79		86,307.86
Des Moines	16	15	3,170.77	38,191.88		41,362.65
Dickinson	13	8	5,314.37	41,239.33		46,553.70
Dubuque	12	8	14,137.53	27,101.26		41,238.79
Emmet	17	17		78,109.43		78,109.43
Franklin	12	10	32,044.77	16,049.50		48,094.27
Grant	30	14	66,304.08			66,304.08
Greene	12	12	46,424.74	25,850.23		72,274.97
Hamilton	16	15	18,735.24	55,145.47	815.81	74,696.52
Hancock	13	13	38,886.70			38,886.70
Hardin	15	14	78,642.26	60,175.74		138,818.00
Harrison	17	14	16,303.56	37,139.08		53,442.64
Hawley	14	13	21,182.22	38,577.57	1,900.74	61,660.53
Henry	16	16	61,031.84	14,043.45		75,075.29
Holmes	16	15	15,634.35	55,645.30		71,279.65
Howard	15	14	20,945.22	55,554.06		76,499.28
Humboldt	30	19	11,163.14	78,036.45	1,075.13	90,274.72
Iowa	12	8	5,307.50	49,890.00		55,197.50
Jackson	12	10	60,401.42	7,864.81		68,266.23
Jasper	12	9	6,104.00	33,281.55		39,385.55
Jefferson	16	16		76,962.14		76,962.14
Johnson	12	12		45,855.19		45,855.19
Jones	19	0	2,795.41			2,795.41
Keokuk	12	12		62,537.08		62,537.08
Kossuth	21	13	5,101.76	48,000.92		53,102.68
Lee	16	12		52,745.56		52,745.56
Linn	17	17		81,882.74		81,882.74
Louis	18	14	21,439.27	32,531.84		53,971.11
Lucas	15	13		55,787.47		55,787.47
Lyon	20	18	31,426.23	84,401.85		115,828.08
Madison	12	9		36,037.38		36,037.38
Mahaska	18	19		44,589.19		44,589.19
Marion	18	18	13.76	45,980.07	3,209.77	49,263.59
Marshall	16	14		61,172.97		61,172.97
Maryland	18	18	9,870.47	66,254.85	5,530.75	81,656.07
Mills	15	12		96,345.46		96,345.46
Mitchell	14	14		39,000.55		39,000.55
Monona	13	13	7,812.05	42,650.33	787.47	51,249.85
	16	14		41,147.42		41,147.42
	19	14		38,953.04	14,847.53	53,800.57

SUMMARY TABLE NO. 25—Continued

County	No. of Townships in County	No. of Townships Reporting	Construction	Maintenance	Special Cases (Railroad Crossings)	Total
Monroe	12	12		44,806.62		44,806.62
Montgomery	12	12	5,256.73	33,352.77		38,609.50
Muscatine	14	14	12,004.61	43,911.36	1,211.10	57,127.07
O'Brien	16	16	13,967.80	42,754.25		56,722.05
Osceola	12	11	11,187.74	32,130.14		43,317.88
PAGE	16	15	2,000.15	45,338.08		47,338.23
Palo Alto	16	13	25,127.36	55,668.57		80,795.93
Plymouth	24	14		56,959.12		56,959.12
Pocahontas	18	17	47,331.95	40,831.16		88,163.11
Polk	19	11	39,832.21	32,770.07		72,602.28
Pottawattamie	29	14		85,784.57		85,784.57
Poweshiek	16	13		65,765.21		65,765.21
Ringgold	17	12		27,090.15		27,090.15
Sac	16	16	36,582.81	54,447.56		91,030.37
Scott	15	15	8,730.27	34,898.84		43,629.11
Shelby	16	16		72,971.00		72,971.00
Sioux	23	23	955.00	90,357.87		91,312.87
Story	16	14	45,214.45	39,665.97		84,880.42
Tama	21	16	13,219.82	64,485.12	4,517.25	82,222.19
Taylor	17	16	2,911.84	51,309.85		54,221.69
Union	12	9		32,923.53		32,923.53
Van Buren	14	14		42,946.79		42,946.79
Wapello	14	14		55,297.88		55,297.88
Warren	16	14		61,245.30		61,245.30
Washington	16	13		75,182.46		75,182.46
Wayne	16	12		37,672.55		37,672.55
Webster	23	19	54,441.80	64,547.17		118,988.97
Winnebago	12	12	14,973.97	46,485.03		61,459.00
Winneshiek	30	11		46,526.08		46,526.08
Woodbury	23	15	10,909.55	59,091.81		69,999.36
Worth	12	11	22,400.00	14,770.82	5,080.10	42,250.92
Wright	16	12	13,067.83	55,539.90		68,607.73
Total reported	1,610	1,380	\$1,336,672.98	\$9,029,722.15	\$100,948.35	\$ 6,467,343.48
Not reported, estimated		290	257,433.60	968,688.27	19,441.93	1,245,563.80
Grand total	1,610	1,610	\$1,594,106.58	\$9,998,410.42	\$120,390.28	\$ 7,712,907.28

Fayette	1,200.00	285.04	109,000.00	119,736.04	1,000.00	120,736.04
Floyd		1,732.17		1,732.17		1,732.17
Franklin						
Fremont		412.13		412.13		412.13
Greene						
Grundy	95.00			879,055.00	300.00	879,355.00
Hancock		8,372.74		22,216.61		30,589.35
Harrison				15,000.00	1,500.00	16,500.00
Hardin				305,828.25		305,828.25
Harrison				135,000.00		135,000.00
Henry				9,823.59		9,823.59
Hills				4,419.58		4,419.58
Humboldt	449.35			2,557.35	2,857.31	5,914.66
Iowa				231,678.85		231,678.85
Jackson				145,000.00		145,000.00
Jarvis	610.00			317,000.00	470.00	317,470.00
Jefferson				1,197.07	10.83	1,207.90
Johnson	400.00			1,000.00	5,900.00	6,900.00
Jones	3,300.00			41,445.00		44,745.00
Kossuth				1,733.72		1,733.72
Lee	290.00			112,300.00	12,000.00	124,590.00
Linn				22,468.89		22,468.89
Linn				40,000.00	830.67	40,830.67
Louis				49,557.35		49,557.35
Lucas	707.44			106,100.00	1,135.31	107,235.75
Luttrell				84,656.68		84,656.68
Madison				51,441.41		51,441.41
Mahoning	1,000.00			111,703.59	300.38	112,003.97
Marion				275,421.54		275,421.54
Marshall				465,411.23	555.80	465,967.03
Mills				233,281.29		233,281.29
Mitchell				43,774.00		43,774.00
Montgomery				12,000.00		12,000.00
Monroe				315,833.00		315,833.00
Montgomery	1,127.18			34,127.18	893.30	35,147.66
Muscatine				62,088.75	7,000.00	69,088.75
O'Brien	495.00			99,550.00	1,000.00	100,045.00
Page				185,696.24		185,696.24
Paulding	490.00			1,437.06		1,927.06
Pawnee				5,396.45		5,396.45
Palo Alto				3,000.00		3,000.00
Pocahontas				88,000.00		88,000.00
Polk				213,544.47		213,544.47
Pottawattamie				262,325.69		262,325.69
Poweshiek				162,000.00		162,000.00

SUMMARY TABLE NO. 24—Continued

County	Bridges			Roads			Total County Road and Bridge Indebtedness	
	Outstanding Bills	Warrants Issued and Stamped	Warrants Outstanding Not Stamped	Outstanding Bills	Warrants Issued and Stamped	Warrants Outstanding Not Stamped		Total
Shagold	1,997.00			3,120.91			36,637.67	
Star							131,976.88	
Scott							57,300.00	
Shelby	1,798.90	137.00		1,935.90		405.86	57,300.00	
Spencer							413,200.82	
Story	637.30			637.30			1,680.32	
Taylor							278,028.00	
Town							30,031.49	
Union							233,500.00	
Van Buren							45,106.75	
Wapello							116,000.00	
Washington	147.30	1,200.50		438.80	1,438.70		200,500.00	
Webster							11,323.40	
Wells							8,000.00	
Winnebago							8,000.00	
Winneshiek							8,000.00	
Worth	1,000.00			7,200.00		612.90	8,354.71	
Wright						2,277.84	15,466.70	
						373.83	1,548.85	
						380,000.00	20,670.32	
							70,077.54	
							100,316.59	
							676.03	
							477,000.00	
Total	\$40,305.00	\$113,500.46	\$89,135.75	\$12,723,288.53	\$17,542,746.00	\$47,966.51	\$49,448,337.71	

SUMMARY TABLE NO. 28

Showing Road Mileage of Each County and Total Mileage of the State

County	Primary System	Secondary System		Total Mileage
		County	Township	
		Adair	57.90		114.30	906.25	1,078.45
Adams	35.20	117.04	661.00	813.24
Allamakee	85.30	107.50	837.00	1,030.30
Appanoose	57.50	119.75	745.00	922.25
Audubon	43.50	96.90	864.00	1,004.40
Benton	90.80	136.00	1,005.00	1,341.80
Black Hawk	72.50	124.00	788.60	985.16
Boone	75.00	118.30	887.00	1,080.30
Bremer	72.10	70.34	710.00	852.34
Buchanan	46.00	132.00	845.50	1,023.50
Butta Vista	67.40	132.00	950.00	1,149.40
Buford	69.30	145.00	874.12	1,088.43
Calhoun	73.50	100.30	880.00	1,053.80
Carroll	70.30	131.00	876.00	1,077.30
Cass	73.20	91.00	908.75	1,072.95
Cedar	75.00	87.00	803.80	1,025.80
Cerro Gordo	113.19	113.04	908.00	1,074.14
Cerro	77.00	159.70	870.25	1,096.95
Cherokee	116.00	80.00	800.00	1,006.00
Chickasaw	45.70	80.00	785.00	900.80
Clarke	44.80	80.00	785.00	900.80
Clay	53.80	134.41	870.00	1,058.21
Clayton	104.70	138.50	1,012.50	1,255.70
Clinton	85.10	138.00	944.02	1,167.12
Crawford	80.10	75.00	1,270.00	1,425.10
Dallas	86.00	121.06	821.88	1,028.94
Davis	47.40	130.85	788.00	972.25
DeWitt	73.10	153.68	790.07	937.75
Delaware	59.10	142.20	827.00	1,028.30
Des Moines	39.20	47.75	877.00	963.95
Dickinson	41.50	70.00	640.00	752.00
Dubuque	81.70	91.65	703.00	876.35
Emmet	40.00	63.25	590.00	693.25
Fayette	106.20	128.00	1,048.40	1,282.60
Floyd	67.50	101.30	767.75	936.55
Franklin	42.60	161.75	1,009.00	1,204.25
Fremont	56.50	122.00	730.75	919.25
Greene	72.60	93.00	1,031.45	1,176.05
Grundy	153.00	100.00	730.20	983.20
Guthrie	70.20	126.50	905.00	1,101.70
Hamilton	67.50	134.40	840.25	1,042.15
Hancock	57.90	113.80	670.00	841.70
Hardin	65.80	155.40	872.15	1,093.35
Harrison	73.20	105.50	1,070.50	1,249.20
Henry	51.90	106.00	667.00	824.90
Howard	51.00	76.08	696.30	794.18
Humboldt	40.80	107.52	577.50	725.82
Ia	70.10	90.35	700.00	860.45
Iowa	96.10	126.00	930.00	1,112.10
Jackson	75.70	83.00	886.00	1,044.70
Jasper	88.20	168.25	1,150.00	1,406.45
Jefferson	46.70	103.00	602.00	751.70
Johnson	73.20	121.84	919.75	1,114.79
Jones	60.70	134.50	795.00	990.20
Keokuk	77.40	114.00	919.75	1,111.15
Kossuth	88.70	196.25	1,592.00	1,786.95
Lake	82.80	94.50	645.25	822.55
Linn	95.80	129.00	1,130.50	1,355.30
Louis	52.20	70.50	543.00	665.76
Lucas	54.00	108.00	646.00	808.00
Lyon	65.10	132.75	912.00	1,111.85
Madison	131.25	137.75	861.00	1,048.85
Mahaska	85.00	89.20	923.00	1,107.20
Marion	30.30	102.50	805.00	937.80
Marshall	49.30	170.30	842.50	1,062.10
Mills	48.50	98.00	632.50	779.00
Mitchell	104.50	104.50	634.00	839.50
Monona	67.00	97.85	1,030.75	1,195.50
Monroe	67.70	119.00	565.00	748.70
Montgomery	52.90	75.75	685.38	814.03

SUMMARY TABLE NO. 28—Continued

County	Primary System	Secondary System		Total Mileage
		County	Township	
Muscatine	94.39	57.63	592.30	744.33
O'Brien	75.70	130.25	920.00	1,125.95
Oswalo	42.79	92.39	645.40	780.58
Page	66.80	134.50	822.00	1,023.30
Palo Alto	49.40	135.00	792.25	976.65
Plymouth	118.40	119.75	1,340.50	1,578.65
Pocahontas	64.25	139.75	625.00	1,109.25
Polk	91.10	216.35	900.00	1,207.45
Pottawattamie	130.50	225.00	1,440.50	1,796.00
Poweshiek	67.50	90.00	969.00	1,126.50
Ringgold	59.30	152.00	850.50	1,061.80
Sac	88.50	79.16	961.00	1,128.66
Scott	82.70	86.79	525.40	734.89
Shelby	47.70	114.30	899.00	1,061.00
Sioux	72.80	163.25	1,212.00	1,448.05
Story	60.10	144.00	841.00	1,005.10
Tama	69.80	151.80	963.40	1,215.00
Taylor	49.50	124.00	900.00	1,103.50
Union	55.30	109.00	695.25	859.55
Van Buren	48.40	108.75	728.16	885.31
Wapello	43.10	115.75	670.00	828.85
Warren	82.30	109.00	994.00	1,185.30
Washington	85.80	108.57	870.25	1,064.62
Wayne	68.90	128.00	770.00	966.90
Winnebago	86.30	139.30	969.75	1,175.35
Winneshek	49.20	97.80	615.00	762.00
Woodbury	82.40	119.73	920.57	1,122.70
Worth	119.00	117.34	1,222.50	1,458.74
Wright	69.00	53.00	591.86	703.86
	69.80	134.85	802.00	907.65
Totals	6,653.70	11,550.67	84,909.79	103,114.16

SUMMARY TABLE NO. 26

Progress Condition Report—Township Roads—Annual Report of County Engineers

County	Construction Completed 1926		Condition of Township Road System January 1, 1927			
	Built to Permanent Grade	Gravel, Macadam or Sand Clay	Not Built	Permanent Grade Not Surfaced	Gravel, Macadam or Sand Clay	Total Miles in Township System
Adair			906.25			906.25
Adams			661.00			661.00
Allamakee			837.00			837.00
Appanoose			745.00			745.00
Ashtabou			864.00			864.00
Benton			1,005.00			1,005.00
Black Hawk		19.50	709.16		19.50	788.66
Boone	200.00	58.00	687.00	12.00	188.00	887.00
Bumet	23.50	15.50	649.50	10.00	50.50	719.00
Buchanan	44.00	29.50	773.25	44.00	29.25	846.50
Buena Vista	13.00	67.00	742.00	18.00	156.00	900.00
Butler			874.13			874.13
Calhoun	54.00	40.00	734.50	14.00	127.50	870.00
Carroll		29.00	824.00		56.00	880.00
Cass			943.75			943.75
Cedar			863.50			863.50
Cerro Gordo	22.00	14.50	886.00	7.50	14.50	900.00
Clerhose			870.25			870.25
Chickasaw	4.00	3.00	802.00	2.00	3.00	807.00
Clarke			785.00			785.00
Clay	5.00	44.50	640.50	5.00	225.00	875.00
Clinton			1,012.50			1,012.50
Crawford			925.22	8.30	10.50	944.02
Clayton			1,270.00			1,270.00
Dallas	43.00	30.75	825.91	37.10	109.87	973.68
Davis			788.00			788.00
Decatur			709.97			709.97
Delaware	5.50	5.50	820.50		6.50	832.50
Des Moines			675.00			675.00
Dickinson			615.50		24.50	640.00
Dubuque			763.00			763.00
Emmet			488.00	18.00	84.00	590.00
Fayette	21.00	17.50	802.50		186.50	989.00
Floyd		15.00	737.75		30.60	768.35
Franklin	4.00	33.75	982.25	4.00	33.75	1,017.00
Fremont			739.75			739.75
Greene		33.00	816.45		215.00	1,064.45
Grundy		1.00	730.75		1.25	732.00
Guthrie			905.00			905.00
Hamilton	1.00	12.00	797.25	3.00	40.00	853.25
Hancock			865.00			865.00
Hardin	2.00	6.00	865.15	1.50	7.50	874.15
Harrison			1,070.00			1,070.00
Henry			647.00			647.00
Howard			631.50		15.00	646.50
Humboldt		29.75	509.25		68.25	577.50
Ia			764.00		5.00	769.00
Iowa			920.00			920.00
Jackson			880.00			880.00
Jasper			1,150.00			1,150.00
Jefferson			922.00			922.00
Johnson			919.75			919.75
Jones			786.00			786.00
Keokuk			919.75			919.75
Keosau			805.00			805.00
Lea	32.00	8.00	1,328.00	32.00	142.00	1,500.00
Lee			645.25			645.25
Linn	11.50	17.00	1,082.70	19.50	88.00	1,190.20
Louis			548.60			548.60
Lucas			646.00			646.00
Lyon			912.00			912.00
Madison			861.00			861.00
Mahaska		2.00	931.00		2.00	933.00
Marion			805.00			805.00
Marshall	4.75	7.50	807.28		34.62	841.80

SUMMARY TABLE NO. 26—Continued

County	Construction Completed 1926		Condition of Township Road System January 1, 1927			
	Built to Permanent Grade	Gravel, Macadam or Sand Clay	Not Built	Permanent Grade Not Surfaced	Gravel, Macadam or Sand Clay	Total Miles in Township System
Mills			632.50			632.50
Mitchell			454.50			454.50
Monona			1,039.75		1.50	1,041.25
Monroe			562.00			562.00
Montgomery			636.38			636.38
Muscatine		17.10	374.35	.75	17.10	392.20
O'Brien	9.00	9.00	867.37	2.00	20.13	896.50
Oseola			615.40			615.40
Page			832.00			832.00
Palo Alto	4.00	18.75	744.00	1.00	47.25	792.25
Plymouth			1,338.50	2.00		1,340.50
Pocahontas			382.50		122.50	505.00
Polk		37.50	990.00			1,027.50
Pottawattamie			1,440.50			1,440.50
Poweshiek			969.00			969.00
Ringgold			850.50			850.50
Sac		14.00	809.00	14.00	48.00	871.00
Scott			700.40			700.40
Shelby			809.00			809.00
Sioux		8.00	1,290.25	2.75	9.00	1,300.00
Story		39.25	739.50		101.50	840.25
Tama			933.40			933.40
Taylor			900.00			900.00
Union			665.25			665.25
Van Buren			728.16			728.16
Wapello			670.00			670.00
Warren			994.00			994.00
Washington			870.25			870.25
Wayne			760.00			760.00
Webster		51.25	819.50		116.25	935.75
Winneshiek	1.90		614.00	1.00		615.90
Woodbury			929.57			929.57
Worth		8.50	553.26		38.50	591.76
Wright	30.00	9.00	700.75	22.00	19.25	761.75
Total	189.40	743.85	80,045.02	276.40	2,688.37	84,069.79

SUMMARY TABULATIONS FOR ENTIRE STATE

Tabulations starred (*) will not be found in printed text. Omitted tabulations can be found in copies of the Annual Report on file in the office of the State Highway Commission and in the Governor's Office.

	Page
Table No. 1—Expenditures for Bridge and Road Work, County and Township Funds	*
Table No. 2—Expenditures for Bridges, Culverts, Road Construction and Maintenance, County and Township Systems, by Funds	249-251
Table No. 3—Expenditures for Construction and Maintenance on Township System, by Funds	252-254
Table No. 4—Expenditures for Bridges and Culverts, Primary County and Township Roads	255-257
Table No. 5—Classification of 1926 Expenditures for Permanent Bridges and Culverts	258-260
Table No. 6—Classification of 1926 Expenditures for Temporary Bridges and Culverts	*
Table No. 7—Repairs on Bridges and Culverts and Culvert Material Purchased for Townships	*
Table No. 8—Bridge Equipment, Unused Material, Filling Bridges and Culverts	*
Table No. 9—Comparison of Bridge and Culvert Construction 1921-1926	*
Table No. 10—Classification of Road Work on County Roads	261-262
Table No. 11—Classified Expenditures for County Road Construction	263-265
Table No. 12—Cost of Maintenance on County Roads	266-268
Table No. 13—Miscellaneous County Expenditures	269-271
Table No. 14—Progress and Condition Report, County Road System	272-273
Table No. 15—Secondary Road Districts, Established, Mileage Graveled, and Average Cost	274
Table No. 16—Gravel Pits, Number and Value of, Owned by Counties	*
Table No. 17—Relative and Total cost of Earth, Gravel and Paved Road Maintenance, on County System	275-277
Table No. 18—Bridge and Road Work Planned by and Constructed Under County Engineers	*
Table No. 19—County Engineering Costs	278-280
Table No. 20—Financial Statement, County Bridge Fund	281-283
Table No. 21—County Road Fund, Financial Statement	284-286
Table No. 22—Financial Statement, Township Road Drag and Drainage Funds	287-288
Table No. 23—Bonded Indebtedness of Counties	289-291
Table No. 24—Indebtedness of Counties for County Roads and Bridges	292-294
Table No. 25—Classification of Township Road Work	295-296
Table No. 26—Progress and Condition Report on Township Roads	297-298
Table No. 27—Inventory of Equipment and Machinery Showing Estimated Value	*
Table No. 28—Primary, County and Township Road Mileage, by Counties	299-300

ALPHABETICAL INDEX

Schedules and Tabulations starred (*) will not be found in the printed text. Omitted schedules can be found in copies of the Annual Report on file in the office of the State Highway Commission and in the Governor's Office.

	Page
Annual Report, Thirteenth.....	3
Anticipation Bonds	8
Approval of Material Contracts.....	18
Arnold's Park, West Okoboji, Survey of Land Lines.....	95
Average Prices on Materials:	
Cement	20
Corrugated Culverts	18
Lumber	19
Piling	19
Reinforcing Steel	19
Structural Steel	19
Average Prices on Construction Work.....	24
Bonds:	
Bonded Indebtedness of Counties, Table No. 23.....	289-291
Changes Recommended in Legislation.....	13
Primary Road Anticipation.....	8-9
Primary Bonds Authorized, Issued, Paid Off, and Outstanding.....	233
Primary Road and Certificates Outstanding.....	109
Bridges:	
Approval and Analysis of Designs.....	17
Approval of Material Contracts.....	18
Approval of Contracts.....	17-18
Bonds Outstanding	241
Bridge and Material Lettings.....	18
Chapter 3. Bridge Department	15
Comparison of Bridge and Culvert Construction, 1921-1926, Table No. 9	*
Comparison of Classified Expenditures.....	242
Comparison of Expenditures for Permanent and Temporary Bridges	244
Comparison of Permanent Construction.....	244
Comparison of Plans Prepared, 1920-1926.....	7
Comparison of Temporary Construction.....	245
Construction Completed	52-55
Contracts Checked for Approval, 1919-1926.....	8
Contracts Submitted, Schedule No. 2.....	*
Culvert Material Purchased for Townships.....	246

INDEX

	Page
Part I. General Work of the Commission.....	3
Part II. Summary of the County Engineers' Reports.....	237

CHAPTERS

Chapter 1—Summary of Commission Work.....	3
Chapter 2—Executive Department	10
Chapter 3—Bridge Department	15
Chapter 4—Department of Road Administration.....	22
Chapter 5—Department of Road Design.....	34
Chapter 6—Construction Department	37
Chapter 7—Maintenance Department	56
Chapter 8—Work for Other State Departments.....	85
Chapter 9—Department of Materials and Tests.....	99
Chapter 10—Financial Statement	106

SCHEDULES

Schedules starred (*) will not be found in the printed text. Omitted schedules can be found in copies of the Annual Report on file in the office of the State Highway Commission and in the Governor's Office.

Schedule No. 1—Bridge Designs for Specific Locations.....	*
Schedule No. 2—Bridge Contracts Submitted.....	*
Schedule No. 3—Material Contracts Submitted.....	*
Schedule No. 4—City-Primary Projects Approved by Commission.....	25
Schedule No. 5—Secondary-Primary Projects Approved by Commission	26
Schedule No. 6—Plans, Specifications and Estimates on Federal Aid Submitted	*
Schedule No. 7—Plans, Specifications and Estimates on Primary Projects Submitted	*
Schedule No. 8—Project Agreements Executed by Secretary of Agriculture	27-28
Schedule No. 9—Contracts Awarded, Approved and Disapproved, on Primary and Federal Aid Projects.....	*
Schedule No. 10—City-Primary Projects Approved by Commission.....	*
Schedule No. 11—Secondary-Primary Project Contracts Approved by Commission	*
Schedule No. 12—Secondary Road Contracts Approved Other Than Secondary Road District Contracts and Secondary-Primary Road Contracts.....	29
Schedule No. 13—Secondary Road District Contracts Approved by Commission	32
Schedule No. 14—Projects on Which Surveys Were Completed During 1926	*

	Page
Schedule No. 15—Projects on Which Plans Were Completed During 1926	36
Schedule No. 16—Projects on Which Plans Were in Progress but Not Completed	36
Schedule No. 17—Counties in Surveys are Completed	36
Schedule No. 18—Primary-Secondary Projects Checked and Approved in 1926	36
Schedule No. 19—Road Construction Work Completed	39-45
Schedule No. 20—Projects Completed and Retired	46-47
Schedule No. 21—Projects Ready to be Retired	48
Schedule No. 22—City-Primary Road Paving Projects	49
Schedule No. 23—Secondary-Primary Projects	50-51
Schedule No. 24—Bridges and Culverts Constructed	52-55
Schedule No. 25—Maintenance Units and Classification	62-84
Schedule No. 26—Expenditures for Work at State Institutions Under Board of Control	96
Schedule No. 27—Expenditures for Work at State Institutions Under Board of Education	97
Schedule No. 28—Expenditures for Work at State Institutions Under Board of Conservation	98
Schedule No. 29—Tests of Materials According to Counties	102-104
Schedule No. 30—Tests of Materials According to Laboratories	105
Schedule No. 31—Statement of Receipts and Disbursements	110-117
Schedule No. 32—Appropriation, Federal Aid Engineering Fund	118-131
Schedule No. 33—Primary Road Fund Allocated to Counties	132-133
Schedule No. 34—Statement of Development Fund	134
Schedule No. 35—Statement of Anticipation Certificate Fund	135
Schedule No. 36—Statement of Primary Road Bond Fund	136
Schedule No. 37—Statement of Special Assessment Fund	136-137
Schedule No. 38—Expenditures for Primary Road and Bridge Construction, by Funds	135-171
Schedule No. 39—Expenditures for Primary Road and Bridge Construction	172-205
Schedule No. 40—Receipts and Expenditures by Funds and Purposes	206
Schedule No. 41—Receipts and Expenditures by Funds and Purposes—December 1, 1917, to November 30, 1926	207
Schedule No. 42—Refunds for Primary Maintenance Work Done Prior to December 1, 1925	208-209
Schedule No. 43—Expenditures for Maintenance, by Counties and Units	210-228
Schedule No. 44—Expenditures and Grand Total for Primary System, by Counties	229-231
Schedule No. 45—Gas Tax Apportioned to Counties	232-233
Schedule No. 46—Primary Bonds Authorized, Issued, Paid Off, and Outstanding	233
Schedule No. 47—Anticipation Certificates Issued, Redeemed and Outstanding	234-235

	Page
Cash Balances in Secondary Funds	241
Classification of Expenditures	106
Development Fund, Schedule No. 34	134
Expenditures from County and Township Funds	240
Expenditures on County and Township Roads	240
Expenditures for Secondary Bridge Work	240
Expenditures and Grand Total for Primary System, by Counties, Schedule No. 44	229-231
Expenditures for Maintenance, by Counties and Units, Schedule No. 43	210-228
Expenditures for Primary Road and Bridge Construction, by Funds, Schedule No. 38	138-171
Expenditures for Primary Road and Bridge Construction, Schedule No. 39	172-205
Federal Aid Engineering Fund	107
Indebtedness of Counties for County Roads and Bridges, Table No. 24	292-294
Maintenance Work on Primary Roads	109
Office Building and Grounds	107
Payment for Primary Road Construction	108
Payment for Secondary Road Construction	108
Payments Made by Federal Government	6
Primary Road Bonds and Certificates Outstanding	109
Primary Road Bond Fund, Schedule No. 36	136
Primary Road Fund Allocated to Counties, Schedule No. 33	132-133
Receipts and Disbursements, Schedule No. 31	110-117
Receipts and Expenditures by Funds and Purposes, Schedule No. 40	206
Receipts and Expenditures by Funds and Purposes, December 1, 1917, to November 30, 1926, Schedule No. 41	207
Refunds for Primary Maintenance Work Done Prior to December 1, 1925, Schedule No. 42	208-209
Special Assessment Fund, Schedule No. 37	136-137
Storage and Repair of Mechanical Equipment	107
Supervision Over Secondary Road Work	106
Financial Statement, Chapter 10	106
Fish and Game Department Investigations	95
Funds—See Finances.	
Gasoline Tax:	
Apportioned to Counties	232-233
Funds on Secondary Roads	13
Increase Recommended	13
Government Equipment Received	8, 58
Gravel Pits, Number and Value of, Owned by Counties, Table No. 16 ..	*
Highway Commission:	
Appointments Filled by Commission	10

	Page
Cost of the Commission.....	5
Cost of Engineering and Administration.....	5
Departments.....	12
Expenses of the Commissioners.....	6
Meetings of the Commission.....	10
Number of Employees.....	12
Organization.....	12
Salaries of the Commissioners.....	6
Highway Routes—Registration of.....	11
Inventory of Equipment and Machinery Showing Estimated Value, Table No. 27.....	*
Inventory of Maintenance Equipment.....	61
Legislation, Changes Recommended.....	12
Litigation.....	11
Loading of Motor Vehicles.....	14
Lumber, Prices of.....	19
Maintenance:	
Authority Over Primary Road System.....	56
Budget.....	57
Comparison of Expenditures, 1922-1926.....	4
Comparative Cost of Earth, Gravel, Paving.....	247
Comparative Expenditures, 1921-1926.....	57
Cost of Engineering and Administration.....	5
County Use of Government Trucks.....	59
Expenditures.....	4
General Policy.....	56
Inventory of Equipment.....	61
Maintenance Department, Chapter 7.....	56
Maintenance Engineers, Personnel of.....	56
Maintenance Instructions.....	59
Organization.....	57
Patrol Districts.....	62
Patrol Units and Classification.....	62-84
Patrol Units and Classification, Schedule No. 25.....	62-84
Policy on Public Lettings.....	60
Receipt and Assignment of Government Equipment.....	58
Road Condition Map.....	58
Road Signs.....	60
Traffic Census.....	60
Work on Primary Road System.....	109
Materials and Tests:	
Affect of Soil Characteristics.....	101
Amount of Material Tested.....	99
Bridge Sounding.....	101
Contracts for, Approval of.....	18
Co-operation with Other States.....	100
Department of Materials and Tests, Chapter 9.....	99

	Page
Designs for Specific Locations.....	15
Designs for Specific Locations, Schedule No. 1.....	*
Equipment, Unused Material, Filling Bridges and Culverts, Table No. 8.....	*
Expenditures for Bridge and Road Work County and Township Funds, Table No. 1.....	*
Expenditures for Bridges, Culverts, Road Construction and Maintenance, County and Township Systems, by Funds, Table No. 2.....	249-251
Expenditures for Bridges and Culverts, Primary, County, and Township Roads, Table No. 4.....	255-257
Expenditures for Permanent Bridges and Culverts, Classification of 1926, Table No. 5.....	258-260
Expenditures for State.....	242
Expenditures for Temporary Bridges and Culverts, Classification of 1926, Table No. 6.....	*
Field Work of Department.....	17
Financial Statement, County Bridge Fund, Table No. 20.....	281-283
Indebtedness in Funds.....	241
Material Contracts Submitted, Schedule No. 3.....	*
Plans Checked and Approved.....	7
Plans for Secondary Roads.....	17
Repairs on Bridges and Culverts and Culvert Material Purchased for Townships, Table No. 7.....	*
Soundings.....	101
Surveys and Plans.....	7
Work on Primary Road System.....	16
Cement, Price of.....	20
Changes in County Road System.....	11
Changes in Primary Road System.....	11
City-Primary Projects.....	22-25
Concrete Pavement, Design of.....	101
Condition of Primary Road System, December 1, 1926.....	3
Construction:	
Alteration of Program.....	37
Bridges and Culverts Completed.....	52
Bridges and Culverts Constructed, Schedule No. 24.....	52-55
Chapter 6, Construction Department.....	37
City Paving Projects.....	38-49
City-Primary Road Paving Projects, Schedule No. 22.....	49
Classification of Expenditures.....	108
Classification for Secondary Roads.....	109
Comparison of Expenditures, 1919-1926.....	4
Comparison of Work Accomplished, 1919-1926.....	3
Contracts Awarded.....	10-23
Cost of Engineering and Administration.....	5
Expenditures.....	4
Expenditures for Primary Road Work.....	108

	Page
Expenditures for Secondary Road Work.....	168
Lettings Held	23
Mileage Graded	37
Mileage from Primary Funds.....	37
Mileage of Secondary Road System Graded.....	37
Projects Completed and Retired.....	38-46
Projects Completed and Retired, Schedule No. 20.....	46-47
Projects Ready to Be Retired.....	38-48
Projects Ready to Be Retired, Schedule No. 21.....	48
Secondary-Primary Projects	38-50
Secondary-Primary Projects, Schedule No. 23.....	50-51
Weather Conditions During 1926.....	37
Work Accomplished	3-10
Work Carried Over Into 1926.....	37
Work Carried Over Into 1927.....	38
Work Completed During 1926	38-39
Control of Primary Roads.....	13
Co-operation With Other States.....	100
Corrugated Culvert Prices.....	18
County Engineers, Bridge and Road Work Planned by and Constructed, Table No. 18.....	*
Equipment, Storage and Repair of.....	107
Expenditures:	
Comparison for Years 1919-1926.....	4
Comparison of Maintenance Expenditures, 1922-1926.....	4
Construction	4
Maintenance	4
Miscellaneous County Expenditures, Table No. 13.....	269-271
Executive Department, Chapter 2.....	10
Experimental Work	161
Federal Aid:	
Balance to Iowa's Credit.....	6
Expenditures from Federal Aid Engineering Fund.....	107
Funds Obligated	6
Payments Made by Government.....	6
Projects	22
Project Agreements Executed.....	23-27
Total Authorized	6
Filling Stations and Fruit Stands on Highways.....	14
Finances:	
Annual Report of County Engineers.....	240
Anticipation Certificate Fund, Schedule No. 35.....	135
Anticipation Certificates Issued, Redeemed and Outstanding, Schedule No. 47.....	234-235
Appropriation, Federal Aid Engineering Fund, Schedule No. 32	118-131

	Page
Design of Concrete Pavement.....	161
Experimental Work	161
Market Value of Material Tested.....	99
Materials Tested	6
Number of Tests Made.....	99
Prices, Average	18-20
Resource Survey	160
Tests Made by Other States.....	100
Tests of Materials According to Counties, Schedule No. 29.....	102-104
Tests of Materials According to Laboratories, Schedule No. 30.....	105
Total Samples of Materials Tested.....	6
Mileage:	
Primary, County and Township, by Counties, Table No. 28.....	299-300
Total for State.....	248
Office Buildings and Grounds.....	107
Piling, Prices of.....	19
Primary Road System:	
Average Price of Concrete Pavement.....	24
Average Price of Drainage.....	24
Average Price of Grading.....	24
Bridge and Road Contracts.....	7-8
Bridge Surveys and Plans.....	7
Bridge Work	16
Changes in	11
Changes in Road Numbers.....	11-14
City-Primary Projects	22
Condition Map, 1926.....	58
Condition of System, December 1, 1926.....	3
Construction	37-55
Construction Expenditures	4
Cost of Engineering and Administration.....	5
Counties in Which Preliminary Surveys Are Completed.....	35-36
Expenditures for Construction.....	4
Gravel Surfacing Yardage and Unit Prices.....	24
Legislation Recommended	13
Loading of Vehicles.....	14
Mileage	11
Mileage Surveyed	34
Mileage for Which Plans Completed.....	35
Markers, Guide and Warning Signs.....	9-60
Maintenance	56-64
Maintenance Expenditures for 1926.....	4
Maintenance Expenditures, 1922-1926.....	4
Obstructions on	14
Plans, Specifications and Estimates Submitted to Federal Bureau.....	8
Preparation of Plans.....	35
Purchase of Equipment.....	106

	Page
Railroad Crossings	20-21
Secondary-Primary Projects	22
Speed of Vehicles	14
Surveys	34
Three-Year Program	10
Traffic Census on	60
Traffic Control	14
Program, Three-Year	10
Publications	11
Railroad Crossings:	
Improvements During 1926	20
Number of Crossings Eliminated	21
On Primary Road System	20
Progress in Elimination	9
Recommended Legislation	13-14
Registration of Highway Routes	11
Reinforcing Steel, Prices of	19
Road Administration:	
Department of, Chapter 4	22
City-Primary Projects Approved by Commission, Schedule No. 4 ..	25
City-Primary Projects Approved by Commission, Schedule No. 10 ..	*
Contracts Awarded, Approved and Disapproved, on Primary and Federal Aid Projects, Schedule No. 9	*
Plans, Specifications and Estimates on Federal Aid Submitted, Schedule No. 6	*
Plans, Specifications and Estimates on Primary Projects Sub- mitted, Schedule No. 7	*
Project Agreements Executed by Secretary of Agriculture, Sched- ule No. 8	27-28
Secondary-Primary Projects Approved by Commission, Schedule No. 5	26
Secondary-Primary Project Contracts Approved by Commission, Schedule No. 11	*
Secondary Road Contracts Approved Other Than Secondary Road District Contracts and Secondary-Primary Road Contracts, Schedule No. 12	29
Secondary Road District Contracts Approved by Commission, Schedule No. 13	32
Roads:	
Average Prices on Road Construction Work	24
Board of Conservation, State Park Roads Under	86-92
Board of Control, Roads Under	85
Board of Education, Roads Under	85
Cash Balances in Funds	241
Comparative Cost of Maintenance	247
Comparison of Surveys and Plans, 1918-1926	7

	Page
Completed Across State	9
Condition December 1, 1926	3
Condition of County Road System, January 1, 1927	247
Expenditures for State, Summary of	246
Indebtedness for Secondary Roads	241
Railroad Crossing Elimination	9
State Institution Roads	92-95
Surveys and Plans	7
Three-Year Program	10
Road Design, Department of, Chapter 5	34
Road Markers	9
Secondary Road System:	
Cash Balances on Hand	241
Classification of Road Work on County Roads, Table No. 10 ..	261-262
Classification of Township Road Work, Table No. 25	295-296
Comparison of Construction Expenditures, 1924-1926	4
Construction Completed	50
Construction Expenditures	4
Counties in Which Surveys Are Completed	36
County Road Fund, Financial Statement, Table No. 21	284-286
County Work Aside from Secondary Districts	24-29
District Contracts	24-25-32
Districts Established	248
Expenditures for Construction	108
Expenditures for Construction and Maintenance on Township Sys- tem, by Funds, Table No. 3	252-254
Expenditures Classified, for Road Construction, Table No. 11 ..	263-265
Expenditures from County and Township Funds	240
Expenditures for Supervision	106
Engineering Costs, County, Table No. 19	278-280
Engineers' Reports, Summary for Counties, Part II	237
Equipment, Purchase of	106
Equipment and Tools on Hand	242
Financial Statement, Township Road Drag and Drainage Funds, Table No. 22	287-288
Gasoline Tax Fund	13
Indebtedness	241
Maintenance, Cost of, Table No. 12	266-268
Mileage, Total	248
Modification of	11
Plans Checked and Approved by Highway Commission	7
Progress and Condition Report, County Road System, Table No. 14	272-273
Progress and Condition Report on Township Roads, Table No. 26	297-298
Relative and Total Cost of Earth, Gravel and Paved Road Main- tenance, on County System, Table No. 17	275-277

	Page
Road Districts, Established, Mileage Graveled, and Average Cost, Table No. 15.....	274
Secondary-Primary Projects.....	22-26
Township Average Expenditures.....	247
Townships Reporting on Road Expenditures.....	247
Township Road Condition, January 1, 1927.....	248
Secondary-Primary Projects, Schedule No. 5.....	26
Soil Characteristics, Affects of.....	101
Special Assessments for Paving.....	13
Speed of Vehicles in Municipalities.....	14
State Fair Exhibit.....	11
Steel Reinforcing, Prices of.....	19
Steel Structural, Prices.....	19
Survey of Material Resources.....	100
Surveys and Plans:	
Counties in Which Completed.....	35-36
Method of Work.....	34
Mileage of Plans Completed.....	35
Projects on Which Surveys Were Completed During 1926, Sched- ule No. 14.....	*
Road Construction Work Completed, Schedule No. 19.....	39-45
Tests of Material for Other States.....	100
Three-Year Road Program.....	10
Three-Year Road Building Program.....	10
Traffic Census.....	60
Traffic Control.....	14
U. S. Road Numbering System.....	11-14
War Surplus:	
Assignment of.....	58
County Use of Government Trucks.....	59
Equipment Received.....	8-58
Equipment Supplied Counties.....	242
Work:	
Of the Commission, Part I, Chapter 1.....	3
Board of Conservation.....	85
Board of Control.....	85
Board of Education.....	85
Executive Council.....	85
For Other State Departments, Chapter 8.....	85
State Institutions Under Board of Conservation, Expenditures for, Schedule No. 28.....	98
State Institutions Under Board of Control, Expenditures for, Schedule No. 26.....	96
State Institutions Under Board of Education, Expenditures for, Schedule No. 27.....	97

State of Iowa
1926

Report of the
Department of Agriculture

For the Period Ending June 30, 1926

M. G. THORNBURG
Secretary of Agriculture