

ROAD COMMISSION

ANNUAL REPORT

42nd	1954
43rd	1955
44th	1956
47th	1959
50th	1962
51st	1963
52nd	1964

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1954-1964

52nd  
ANNUAL REPORT  
of the  
BOARD OF COUNTY ROAD COMMISSIONERS  
to the  
BOARD OF SUPERVISORS OF OAKLAND COUNTY  
MICHIGAN, FOR THE YEAR  
1964

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Robert O. Felt, Chairman  
Frazer W. Staman, Vice-Chairman  
Sol D. Lomerson, Commissioner  
Paul Van Roekel, County Highway Engineer  
Irwin P. Nichols, Secretary-Clerk

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2420 Pontiac Lake Road, Pontiac, Michigan

*Property of*  
OAKLAND COUNTY  
PLANNING COMMISSION  
1 Lafayette Street  
PONTIAC, MICHIGAN

March 30, 1965

The Honorable Board of Supervisors  
Of the County of Oakland  
Pontiac, Michigan

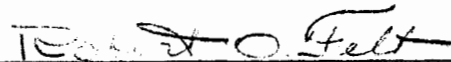
Gentlemen:

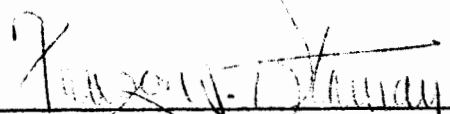
We are pleased to submit to your honorable body and to the people of Oakland County, our annual report for the fiscal year ending December 31, 1964.

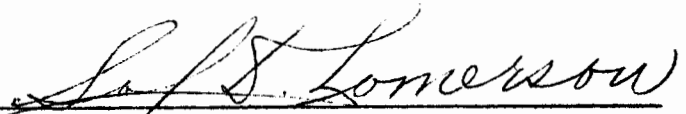
Combined in this report is a summary of our activities relating to the construction and maintenance of roads and bridges, of funds received and disbursed, and other information which will be of interest to you.

Respectfully submitted,

BOARD OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN

  
\_\_\_\_\_  
Robert O. Felt, Chairman

  
\_\_\_\_\_  
Frazer W. Staman, Vice-Chairman

  
\_\_\_\_\_  
Sol D. Lomerson, Commissioner

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## DEPARTMENT ACTIVITIES

### Engineering

For the third year in succession our Engineering Department set records on the amount of construction work done on both county primary and local roads. This department is responsible for not only the design, but also all inspection of construction on these projects.

At this time there are eight uncompleted projects on our \$11 million primary road construction program. This was to be the third, and final, year for this program, but for various reasons we have postponed eight of the proposed projects.

There are presently 56 full time employees in our Engineering Department of whom 14 are graduate Engineers. Activities of this department include the design and construction of projects on county local and primary roads; issuing permits for work done within the right of way of the roads, of which there were 1507 permits in 1964 on some \$12,288,100 worth of work; design approval and spot inspection on new plats and special assessment projects, maps and descriptions for right of way acquisition; surveys and plans for the Maintenance Department; and considerable checking of construction on county roads along the new freeways.

The Board of County Road Commissioners approved 63 new subdivision plats during the year which involved 24.49 miles of new subdivision streets estimated to cost \$1,590,444.40.

### Maintenance

The notable event to be brought out this year was our unusually light spring breakup. This accounts for the lower maintenance costs on the local roads.

Our Maintenance Department consisting of 265 employees and some 200 pieces of self propelled equipment is the largest department in our organization. Maintenance on our 715 miles of primary roads cost \$1,719,882.60 in 1964 for an average of \$2405.43 per mile. The 1710 mile local road system cost \$1,119,043.68 for an average of \$654.41 per mile.

The State Highway Department reimburses us for maintaining state trunk lines in our county. The current contract runs from July 1, 1964, to June 30, 1965, and will total about \$895,110 for an average of \$4,074 per mile.

The cities of Hazel Park, Oak Park, Ferndale, Berkley, Royal Oak and Madison Heights were paid \$21,005.72 to provide most of the maintenance on county roads within their limits as per annual maintenance contracts.

In addition to maintenance this department also controls, with the cooperation of police authorities, the type of loads hauled by trucks on county roads.

Vehicles stopped and examined	1,325
Warning violations issued	112
Violation tickets issued	247

During 1964 there were a total of 9,290 permits issued by the Maintenance Department for hauling oversize loads and moving houses in Oakland County.

#### Forestry & Traffic

This department's main function is to trim and remove trees in the right of way of the road. Some of their other duties include spraying for brush control, maintenance of roadside table sites, erosion control, traffic signals, radios, traffic counts, intersection movement counts radar speed checks and issuance of permits to utility companies and individuals for overhead facilities, tree trimming, tree removal and roadside cleanup. There were 392 such permits issued this year. This department employs 45 full time people. In 1964 there were 3,216 trees removed and 1,515 trees trimmed. Of the trees removed 1,473 were infected with Dutch Elm Disease. The average cost of removal and disposal of the infected trees was \$59.18, an increase of \$26.12 over last year. The number of trees removed due to the disease dropped 19.9%.

The Electrical Section maintains 301 traffic signals and flashing beacons and 86 other electrical devices such as roadside school signs, warning signs and overhead advisory signs. Because of the necessity for these devices to operate continuously for the most part, emergency repairs were made during the night or on weekends on 186 different occasions. There were 110 signal installations repainted during the year.

#### Accelerated Public Works Projects

We received a grant of \$187,000 to help pay for the construction of nine bridges throughout the county on local roads. Although the bids were actually taken in 1963 the projects were not finished until this fall. The total cost of these bridges was \$413,826.

The other grant received from the Federal Government in the amount of \$98,000 was to help pay for a maintenance garage in our Lake Orion District. The work included a new 90 x 220 foot garage, renovation of existing building, moving a large steel building and site improvements. The construction was completed and the facilities occupied by the first of November. The total cost was \$244,304.26.

Safety

The Road Commission has an active safety program under the guidance of a full time Safety Supervisor. A dinner was held for the presentation of safe driving awards to equipment operators. The following National Safety Council awards were given:-

- 1 Year Award - - - - - 41 Employees
- 2 Year Award - - - - - 21 Employees
- 3 Year Award - - - - - 19 Employees
- 4 Year Award - - - - - 102 Employees

Approximately 18 million miles of driving without an accident is represented by these men.

Purchasing

Purchases for material, parts, supplies, office and shop equipment were \$964,247.15. In addition, the net cost of new road equipment was \$303,159.62. All large purchases are made only after advertising publicly for bids. The following quantities of material were used during 1964:

Liquid Calcium Chloride (Dust Layer)	
Commercial Producers	2,460,336 gal.
Road Commission Owned Brine Well	2,210,420 gal.
Liquid Calcium Chloride (Ice Control, '63-'64 season)	48,500 gal.
Flake Calcium Chloride (Ice Control, Sacks, '63-'64 season)	15 1/2 tons
Flake Calcium Chloride (Ice Control, Bulk, '63-'64 season)	261 tons
Rock Salt (Ice Control, Bulk, '63-'64 season)	10,437 tons
 Bituminous Materials:	
AE-2 (Patching)	100 gal.
AE-3 (Patching)	175,953 gal.
AC-85/100 (Crack Filling)	15,956 gal.
MC-O (Patching)	5,801 gal.
Seneca Special (Resealing)	62,214 gal.
MC-5 (Sealing)	1,341 gal.
 Pavement Marking Paint	
Yellow	6,605 gal.
White	6,960 gal.
Black	1,036 gal.
Beads	80,300 lbs.
 Culverts	
Corrugated Metal, round	15,113 feet
Corrugated Metal, formed bottom	1,000 feet
Concrete, plain	2,850 feet
Concrete, reinforced	232 feet
 Cement	649 sacks
 Plywood - 5/8" HD Black for Signs	17,662 sq.ft.
 Aluminum Sign Blanks	1,660 blanks
 Scotchlite & Scotchcal Sheeting	22,138 sq.yds.
 Flex Beam Guard Rail	6,200 feet

RESOLUTION ADOPTED BY THE BOARD  
OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN,  
UNDER DATE OF DECEMBER 14, 1964.

WHEREAS, Section 9, Chapter IV of Act 283 of the Public Acts of 1909 as last amended (MSA 9.109) states: "The clerk of the county shall be the clerk of the board of county road commissioners, and shall keep the records and accounts of the board, and preserve its files in a manner directed by the board: Provided, however, that when, in the opinion of the board of county road commissioners, the work is of a sufficient volume, the board may appoint a secretary, with the permission of the board of supervisors, who shall be and act as clerk of the board, and whose salary together with the salaries of the members of the board of county road commissioners, shall be paid by the board of county road commissioners from the county road funds." and

WHEREAS, This Board did heretofore determine that the work is of sufficient volume and did with the permission of the Board of Supervisors, appoint Irwin P. Nichols as Secretary-Clerk of this Board,

NOW, THEREFORE, BE IT RESOLVED, That this Board hereby redetermines that in its opinion the work is of sufficient volume and that Irwin P. Nichols be and that he is hereby reappointed as Secretary for the year 1965 and that he shall be and act as Clerk of this Board, at the salary provided for in the "Classification Schedule for Administrative Employees" adopted by the Board under date of January 1, 1965.

BE IT FURTHER RESOLVED, That the salary of the said Irwin P. Nichols together with the salaries of the members of this Board shall be paid from the county road funds, and

BE IT FURTHER RESOLVED, That the duties of the Secretary-Clerk shall be those delegated to the Secretary-Clerk by law and by action of this Board.



STATE AND COUNTY  
ROAD MILEAGE  
in  
OAKLAND COUNTY  
on  
MARCH 1, 1965

<u>STATE TRUNK LINE HIGHWAYS</u>		<u>Miles</u>	<u>Total Miles</u>
Two Lane Pavement		48.32	
Four or More Lanes of Pavement		58.45	
Freeways (Limited Access)		79.19	
Ramps		<u>33.47</u>	
			219.43
 <u>PRIMARY COUNTY ROADS</u>			
Surface Treated Gravel		54.50	
Gravel Surface		143.18	
Mixed Bituminous-Gravel Base		207.66	
Mixed Bituminous-Concrete Base		226.88	
Cement Concrete		80.63	
Deep Strength Asphalt		<u>2.19</u>	
			715.04
 <u>LOCAL COUNTY ROADS</u>			
Surface Treated Gravel		22.73	
Gravel Surface		1,389.39	
Mixed Bituminous-Gravel Base		297.77	
Cement Concrete		<u>0.68</u>	
			<u>1,710.57</u>
 TOTAL MILES			2,645.04

1964

CONSTRUCTION ON FEDERAL AID SECONDARY ROADS

These projects were built using 50% Federal Aid Funds and 50% County Road Commission Primary Road Construction Funds and Bond Funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
FAB-489	Cooley Lake	3.12	Cass Elizabeth Road to Union Lake Road	Reconst.to 24' concrete	Anderson & Ruzzin Sterling Garrett	597,259
FAB-494	Haggerty	1.3	Maple to M-218	Reconst.to 24' concrete	O.E. Gooding	222,939
FAB-533	Baldwin	3.1	Seymour Lake Road to Oakwood	2 1/2" x 20' Bit.Agg.Surf.	A.&A. Asphalt	69,004
FAB-541	Halstead	1.8	Grand River to 12 Mile	2 1/2" x 20' Bit.Agg.Surf.	Oakland Paving	40,966
FAB-544	Milford	3.0	10 Mile to Grand River	2 1/2" x 20' Bit.Agg.Surf.	Detroit Conc.Prod.	57,779

1964

PRIMARY ROAD CONSTRUCTION

The following major projects were substantially completed during 1964 from County Road Commission Primary Road Construction Funds and Bond Funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u>
PRB-444	Bogie Lake	3.7	Cooley Lake (E) to M-59	Grade & relocate as needed and base as needed	C.W.Anderson	\$ 131,307
PRB-534	Bogie Lake	3.7	Cooley Lake (E) to M-59	2"x22' Bit.Agg.Surf.	S.D.Solomon	71,383
PR-535	Crooks	1.0	Long Lake to Wattles	Widen to 22' & Bit.Conc.Surf.	State Highway	26,123*
CWB-490	Crooks	1.0	14 Mile to Maple	Widen to 48' concrete	Taylor Brothers	364,400**
PR-536	8 Mile Relocation	---	At Novi & Old Baseline	Relocation of roadway	Max R. Frisinger	118,597***
CWB-478	Eleven Mile	1.5	John R to I-75	Widen to 48' concrete	Cooke Contracting	187,720**
PRB-537	Farmington	1.0	13 Mile to 14 Mile	2 1/2"x22' Bit.Agg.Surf.	A. & A. Asphalt	30,543
CWB-538	Fourteen Mile	2.48	John R to Rochester	Widen to 48' concrete	Cooke Contracting	451,770**
PRB-495	Haggerty	1.0	14 Mile to Maple	2"x22' Bit.Agg.Surf.	Ann Arbor Const.	23,518
PR-542	Long Lake	4.0	Adams to Rochester Rd.	Widen to 22' & Bit.Conc.Surf.	State Highway	77,678*
PR-525	Long Lake	---	Telegraph Intersection	Reconst.to 52' b.to b. conc.	Kutchins Co.	55,847
PRB-545	Mt.Clemens	0.41	I-75 to Pontiac Road	Reconst. to conc.pavement	Anderson-Ruzzin	130,287
B-531	Orion Garage	---	(APW-411G)	New Garage	Roth, Wadkins & Wise	244,304
PRB-547	South Boulevard	2.0	M-24 to Adams	Reconst. to 24' Deep Str.Asphalt	Ann Arbor Const.	252,425
CWB-551	12 Mile	0.4	Stephenson to Campbell	Reconst.to 48' concrete	Taylor Brothers	135,300**
PRB-500	Voorheis	0.3	James K to M-59	Reconst. to 31' b.to b. curb	Anderson-Ruzzin	149,663

\* County share, State Highway Department to repair concrete and place bituminous base course.

\*\* Adjacent cities to pay 25% of total cost.

\*\*\* Wayne County to pay 50% of total cost.

1964  
LOCAL ROAD CONSTRUCTION

The following projects were substantially completed during 1964 with the Road Commission paying 50% of the cost and the townships generally paying the other 50%.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
TM-521	Waldon	0.6	End of existing pavement east approx. 0.6 mile	G.D. & Agg.Base	D.J. McQuestion	55,234
TM-527	Square Lake	0.12	West of Klingensmith	G.D. & Bit.Agg.Surf.	Harry White & Son	18,126
TM-532	Johns	0.25	Livingston to M-59	G.D. & Bit.Agg.Surf.	T & T Construction	19,647
TM-553	Old Perch	1.1	Avon to Walton Blvd.	G.D. & Agg.Base	Dan Hadrill	72,313
TM-554	Charing Cross	0.7	Bloomfield Hills City Lts.to Wattles Road	G.D. & Bit.Agg.Surf.	Groleau Brothers	114,992
TM-556	Sands	0.70	Oakwood to State Park	2"x20' Bit.Agg.Surf.	Ann Arbor Constr.	13,765
TM-557	Willow	0.69	Union Lake to Keith	2"x20' Bit.Agg.Surf.	Det.Conc.Prod.	16,024
TM-558	Square Lake	0.29	Middlebelt to east twp.line	2"x20' Bit.Agg.Surf.	Ann Arbor Constr.	6,865
TM-559	Welch	2.00	Maple to Oakley Park	2"x20' Bit.Agg.Surf.	Det.Asphalt Pav.	37,772
TM-560	Livernois-Avon	0.92	R.R.to end of existing surf.	2"x20' Bit.Agg.Surf.	Peake Asphalt Pav.	14,756
TM-561	Quarton	0.98	Inkster to Franklin	2"x20' Bit.Agg.Surf.	Ann Arbor Constr.	21,419
TM-562	Square Lake	0.64	Klingensmith to Telegraph	2"x20' Bit.Agg.Surf.	Ann Arbor,Constr.	11,872
TM-563	Bellevue	0.08	Heights to Lake Orion Lts.	Grade & 2 1/4"x20' Bit.Agg.	Maintenance Dept.	3,139
TM-566	Pine Tree	0.5	Clarkston to Heights	G.D. & Agg.Base	Harry White & Son	19,044
TM-567	Loon Lake	0.8	Wixom Lts.to Benstein	G.D. & Agg.Base	Harry White & Son	27,325
T-571	Holly Hills Sub.	1.18	Farmington Township	G.D. & Bit.Agg.Surf.	Oakland Paving	22,727 *

\*Paid by Bonding Company

1965

PROPOSED CONSTRUCTION, FEDERAL AID SECONDARY ROADS

This project will be built using 50% Federal Aid Funds and 50% County Road Commission Primary Road Construction Funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u> \$
FA-583	8 Mile	2.8	Farmington to Grand River	Widen to 60' f.to f. of integral curb	1,000,000*

\*74% to be paid by Wayne County Road Commission and Federal Aid Funds

1965

PROPOSED CONSTRUCTION, PRIMARY ROADS

Funds for these projects are derived almost entirely from Oakland County's share of the Gas-Weight Tax.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
CWB-480	Southfield	1.0	13 Mile to 14 Mile	Widen to 60' with conc.	280,000*
PR-543	Maybee	0.3	Chickadee to Marvin	Grade & 2 1/4" x 22' Bit.Agg.Surf.	20,000
CWB-546	Rochester	0.5	14 Mile to Clawson City Lts.	Widen to 48', conc.; new bridge	200,000*
CWB-548	10 Mile	0.6	Greenfield to Kenosha	Reconstruct to 50' conc, b.to b. of intregal curb	160,000*
CWB-549	10 Mile	2.1	Northwestern to Greenfield	Reconstruct to 50' conc, b.to b. of intregal curb	560,000*
PR-552	Middlebelt	0.43	8 Mile to Grand River	Reconstruct to 50' conc, b.to b. of intregal curb, bridge	200,000
PR-579	Pontiac Road	0.4	Pontiac Road to Squirrel also reconstruction of "5 points intersection"	Const.of 24' conc.pavement and widening at "5 points"	175,000
CWB-580	Eleven Mile	1.0	John R to Dequindre	Widen to 48', conc.	260,000*
CW-582	Greenfield	1.0	8 Mile to 9 Mile	Widen to 6 lanes, raised median	380,000**
PR-586	Haggerty	2.0	12 Mile to 14 Mile	Grade for 2"x22' Bit.Agg.Surf.in 1966	120,000
PR-587	Long Lake	2.1	Telegraph to Woodward	Widen to 22' with agg,conc.patching, Bit.Conc.Cap.	200,000
PR-588	Middlebelt	0.3	At Maple Road Intersection	Reconst.intersection to 4 lanes in each direction	125,000
SP-589	Napier	---	North of 11 Mile	Replace bridge with multi-plate	15,000
SP-590	Pontiac Trail	---	One Mile North of 11 Mile	Widen or replace bridge	15,000
PR-591	Seymour Lake	2.5	M-15 to Sashabaw	Grade for 2"x22' Bit.Agg.Surf. in 1966	110,000

\*25% to be paid by cities

\*\* 50% to be paid by cities

Proposed Construction, Primary Roads continued

Intersection Betterments

<u>Proj.No.</u>	<u>Intersection</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u> \$
PR-592	John R at 13 Mile	Construct fairly short passing lanes on John R with short tapers. Agg.Base.	5,000
PR-593	Lahser & 11 Mile Roads	Extend existing N.bound turning lane on Lahser and widen to 11 foot lanes. Conc.Base.	5,000
PR-594	Lahser & 10 Mile Roads	Extend and widen (minimum 11' lanes) existing approach lanes in all 4 directions. Conc. Base.	15,000
PR-595	Lahser & 8 Mile Roads	Extend S.bound turn lane on Lahser. Conc.curb relocation. Conc.Base	4,000
PR-596	Orchard Lake & Pontiac Trail	Construct N.bound passing lane on Orchard Lake Road, also right turn lane for E.bound Pontiac Trail. Widen inside of curb on NW side of intersection approximately 2 feet. Agg Base.	8,000
PR-597	Silver Lake Road at Dixie Highway	Widen to 22' and extend existing S.bound turning lane. Agg.base taper from N. drive of filling station to next drive.	4,000
PR-598	Walton-Williams Lake at Dixie Highway	Construct right turn lane on W.bound Walton with curb. Widen to reconstruct existing E.bound right turn lane on Williams Lake Road without disturbing cemetery. Conc.Base.	15,000

1965

PROPOSED CONSTRUCTION, LOCAL ROADS

These local road construction projects are in the process of being set up as matching projects or have already been approved. East township will pay 50% of the total final cost and the Road Commission will pay the other 50% from road funds budgeted for matching purposes. Several more projects will be added by May 15, 1965, as other townships submit projects and their share of the funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u> \$
T-555	Eleanor	0.25	Livingston St.to M-59	G.D. & Gravel Surface	10,000*
TM-564	Oakley Park	1.85	South Commerce to Haggerty	G.D.&Agg.Base	135,800
TM-565	Drahner	1.0	Pontiac Road west to railroad	G.D.&Agg.Base	31,000
TM-569	11 Mile	2.1	Orchard Lake to Inkster	G.D.&Bit.Agg.Surf.	133,900
TM-570	Fish Lake	0.2	Rose-Highland Twp.line	G.D.&Gravel Surf.	6,000
TM-573	Walnut Lake	1.08	Orchard Lake to Middlebelt	G.D.&Agg.Base	63,400
T-577	Putnam & Deering	0.1	Near Fire Station #2-W.Blm.	Gravel	5,000**
TM-599	Granger	0.36	Seymour Lake to North	G.D.&Agg.Base	13,000***
TM-600	Old Perch	1.1	Avon Road to Walton Blvd.	20'x2 1/4" Bit.Agg.Surf.	20,800
TM-601	Oakley Park	1.85	South Commerce to Haggerty	20'x2 1/4" Bit.Agg.Surf.	36,000
TM-602	Pine Tree	0.51	Clarkston Road to Heights	20'x2 1/4" Bit.Agg.Surf.	9,700
TM-603	Loon Lake	0.8	Wixom City Lts.to Benstein	20'x2 1/4" Bit.Agg.Surf.	18,900
TM-604	Walnut Lake	1.08	Orchard Lake to Middlebelt	20'x2 1/4" Bit.Agg.Surf.	21,400
TM-605	Waldon	0.76	Existing surface to Sashabaw	20'x2 1/4" Bit.Agg.Surf.	18,300

\* Township to pay 100% of the cost.

\*\* Township to pay 80% of the cost.

\*\*\*Gravel firm to pay 50% of the cost.



Proposed Construction, Local Roads continued

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
TM-606	Maple	0.8	Wixom City Lts.to Benstein	G.D.&Agg.Base	\$ 42,200
TM-607	McCoy	0.51	Benstein to Ladd Road	G.D.&Agg.Base	35,000
TM-613	Avon	1.22	Crooks to Livernois	G.D.&Agg.Base	79,500
TM-614	Walnut Lake	1.25	Farmington to Drake	Survey and Design	6,000

BALANCE  
DecemberASSETS:General Operating Fund

County Treasurer's Cash Accounts	1,471,054.39		
County Treasurer's Primary Road Bond Construction Fund	<u>222,218.35</u>		
		1,693,272.74	
Imprest Cash - Office		150.00	
Payroll - Bank Account		2,500.00	
Accounts Receivable:			
State Trunkline Maintenance	273,349.25		
State Highway Department - Other	62,963.45		
Due on County Road Agreements	59,021.22		
Sundry Account Receivable	<u>56,324.07</u>		
		451,657.99	
Inventories:			
Equipment Materials & Parts	92,782.40		
Road Materials	<u>140,795.93</u>		
		233,578.33	
Prepaid Insurance		60,266.00	
Deferred Expense F. A. S.		<u>152,889.01</u>	
Total General Operating Funds			2,594,314.07

Fixed Asset Fund

Land & Improvements		311,521.28	
Buildings	1,258,922.16		
Less: Reserve for Depreciation	<u>164,383.64</u>	1,094,538.52	
Equipment - Road	2,669,003.98		
Less: Reserve for Depreciation	<u>1,396,299.18</u>	1,272,704.80	
Equipment - Shop	89,955.35		
Less: Reserve for Depreciation	<u>52,137.18</u>	37,818.17	
Equipment - Office	93,524.68		
Less: Reserve for Depreciation	<u>63,609.30</u>	29,915.38	
Equipment - Engineers	8,871.85		
Less: Reserve for Depreciation	<u>4,418.26</u>	4,453.59	
Equipment - Brine Well	38,034.81		
Less: Reserve for Depreciation	<u>13,862.52</u>	24,172.29	
Depletable Assets - Gravel Pits	78,344.64		
Less: Reserve for Depletion	<u>70,032.36</u>	8,312.28	
Total Fixed Assets			2,783,436.31

Long Term Fund

Amount to be Provided for the Retirement of Bonds		1,208,750.00	
Amount to be Provided for the Retirement of Long Term Notes		<u>5,590,000.00</u>	
Total Long Term Funds			<u>6,798,750.00</u>

TOTAL ASSETS

12,176,500.38

SHEET  
31, 1964

LIABILITIES AND FUND EQUITIES:

General Operating Fund

Liabilities

Accounts Payable		189,053.38
Accrued Liabilities		30,470.51
Advances - Townships & Others		208,252.79
Other - Deposits by Subdividers & Contractors		585,338.74
Other - Work Orders in Progress		8,978.14

Available Operating Funds

Motor Vehicle Highway Funds	837,277.55	
Highway Construction Funds - Bond	222,218.35	
County Road Commission Funds	<u>512,724.61</u>	
Total Operating Fund		<u>1,572,220.51</u>
Total Liabilities		2,594,314.07

Fixed Asset Fund

Plant and Equipment Equity		2,783,436.31
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Long Term Debt Fund

Farmington - Brighton Expressway Bonds	106,250.00	
Northwestern Expressway Bonds	1,102,500.00	
County Highway Bonds	<u>5,590,000.00</u>	
Total Long Term Debt Fund		<u>6,798,750.00</u>

TOTAL LIABILITIES AND FUND EQUITIES

12,176,500.38

## SUMMARY OF RECEIPTS AND EXPENDITURES

Year 1964

COUNTY HIGHWAY RECEIPTSRevenue Receipts

State Funds - Motor Vehicle Highway Funds	5,044,638.13 ✓
Federal Aid Secondary Funds	391,179.48 ✓
A. P. W. Structures & Building Funds	257,043.59
County Raised Revenues	466,347.22
Miscellaneous Receipts	163,386.54
Total Revenue Receipts	<u>6,322,594.96</u>

TOTAL HIGHWAY RECEIPTS

6,322,594.96COUNTY HIGHWAY EXPENDITURES

Construction	3,786,056.56
Maintenance	2,838,926.28
Equipment Account	-30,241.99
Interest	175,700.00
Administration	<u>355,104.41</u>
Total Operating Expenditures	7,125,545.26

## NON-OPERATING EXPENDITURES

Capital Outlay	242,627.66
Long Term Debt Payments	<u>315,000.00</u>
Total Non-Operating Expenditures	<u>557,627.66</u>

TOTAL HIGHWAY EXPENDITURES

7,683,172.92

Decrease in Available Operating Funds

-1,360,577.96NET TOTAL6,322,594.96

## COUNTY HIGHWAY RECEIPTS

Year 1964

REVENUE RECEIPTS

## State Fund - Motor Vehicle Highway Funds

## Engineering Services

Primary Road Fund	4,065.00	
Local Road Fund	<u>935.00</u>	
Total Engineering Service		5,000.00

## County Primary Road Fund

Amount of Allocation	4,098,789.46	
Optional Transfer	<u>-409,878.95</u>	
Net for Primary Roads		3,688,910.51

## County Local Road Fund

Amount of Allocation	940,848.67	
Optional Transfer	<u>409,878.95</u>	
Net for Local Roads		1,350,727.62

## Total Motor Vehicle Highway Funds

5,044,638.13

## Federal Funds

Federal Aid Secondary	391,179.48	
APW - Bridge Funds	168,761.09	
APW - Building Construction Funds	<u>88,282.50</u>	
Total Federal Funds		648,223.07

## County Raised Revenue

Township Contributions	318,269.70	
Other Contributions	148,074.72	
Property Taxes	<u>2.80</u>	
Total County Raised Revenues		466,347.22

## Miscellaneous Receipts

Salvage Sales	1,171.71	
Interest Earned	145,646.85	
Sundry Refunds	1,128.53	
Sale of Maps & Plans	678.25	
Permit Fees	<u>14,761.20</u>	
Total Miscellaneous Receipts		<u>163,386.54</u>

## TOTAL of HIGHWAY RECEIPTS

6,322,594.96

## COUNTY HIGHWAY EXPENDITURES

Year 1964

Primary Road <u>System</u>	Local Road <u>System</u>
----------------------------------	--------------------------------

OPERATING EXPENDITURES

## Construction (All Costs Except Administration)

Roads - County Road Fund	792,190.18	548,403.68	
Roads - Bond Fund	2,070,547.34		
Bridges	<u>28.94</u>	<u>374,886.42</u>	
Total Construction Expenditures	2,862,766.46	923,290.10	3,786,056.56

## Maintenance (All Costs Except Administration)

General Maintenance - Roads	1,276,642.12	1,015,869.82	
General Maintenance - Structures	9,269.08	2,408.78	
Snow & Ice Control	245,195.95	82,105.26	
Traffic Control	167,769.73	18,659.82	
Maintenance Agreements	<u>21,005.72</u>		
Total Maintenance Expenditures	1,719,882.60	1,119,043.68	2,838,926.28

## Equipment Account

Direct Repair	656,638.63		
Indirect & Storage	289,781.57		
Operating	<u>99,655.83</u>		
Total Equipment Expense		1,046,076.03	

## Credits to Equipment Account

Equipment Rental		<u>-1,076,318.02</u>	
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Net Credit to Equipment Account			-30,241.99
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Interest Expense - Primary Roads			175,700.00
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## COUNTY HIGHWAY EXPENDITURES

Year 1964

OPERATING EXPENDITURES - Continued

Administrative Expense		420,133.08	
Credits to Administrative Accounts			
Handling Charges on Material Sold	9,976.23		
Overhead - State Trunkline Maintenance	47,291.28		
Purchase Discounts	6,028.12		
Plat Fees	<u>1,733.04</u>		
Total Credits to Administration		65,028.67	
Net Administrative Expense			355,104.41
Administration Proration			
Primary System	259,971.94 ✓		
Local System	<u>95,132.47</u> ✓		
TOTAL OPERATING EXPENDITURES			<u>7,125,545.26</u>

## NON-EXPENSE DEBITS

Capital Outlay			
Buildings	246,667.43		
Equipment	<u>389,004.05</u>		
Total Depletable Assets		635,671.48	
Less: Non-Revenue Credits			
Equipment Retirements	51,738.97		
Depreciation & Depletion	<u>341,304.85</u>		
Total Non-Revenue Credits		-393,043.82	
NET CAPITAL OUTLAY EXPENDITURES		<u>242,627.66</u>	
Long Term Debt Payments			
Expressway Bonds			
Farmington - Brighton Expressway	15,000.00		
Northwestern Expressway	90,000.00		
County Primary Roads	<u>210,000.00</u>		
Total Long Term Debt Payment		<u>315,000.00</u>	
TOTAL NON-EXPENSE DEBITS			<u>557,627.66</u>
TOTAL EXPENDITURES			7,683,172.92
Decrease in Available Operating Funds			<u>-1,360,577.96</u>
TOTAL EXPENDITURES AND FUND EQUITY ADJUSTMENT			<u><u>6,322,594.96</u></u>

## STATEMENT OF LOCAL ROAD &amp; BRIDGE CONSTRUCTION

Year 1964

<u>Project</u>	<u>Road</u>	<u>Amount</u>	<u>Motor Vehicle Funds</u>	<u>Townships and Other Contributions</u>	
TM-508	Sands Road	2,478.02	1,130.78	1,347.24	Brandon
TM-514	Willow Road	3,049.56	1,411.79	1,637.77	Commerce
TM-515	Willow Road	3,418.79	1,572.43	1,846.36	W. Bloomfield
TM-516	Square Lake Road	1,102.52	553.60	548.92	W. Bloomfield
TM-517	Welch Road	7,407.75	3,409.33	3,998.42	Commerce
TM-521	Waldon Road	55,206.67	28,088.05	27,118.62	Independence
TM-524	Quarton Road	11,556.55	5,418.22	6,138.33	Bloomfield
TM-527	Square Lake Road	18,126.65	9,188.50	8,938.15	Bloomfield
TM-532	John Street	18,739.32	7,885.78	10,853.54	Highland
TM-553	Old Perch Road	62,316.06	31,439.47	26,340.59	Avon
				4,536.00	College Park
TM-554	Charing Cross	110,966.62	61,382.64	49,583.98	Bloomfield
T -555	Eleanor Street	936.05		936.05	Highland
TM-556	Sands Road	13,765.41	6,631.41	7,134.00	Brandon
TM-557	Willow Road	16,024.04	7,634.10	3,303.18	Commerce
				5,086.76	W. Bloomfield
TM-558	Square Lake Road	6,864.94	3,285.17	3,579.77	W. Bloomfield
TM-559	Welch Road	37,772.29	17,661.37	20,110.92	Commerce
TM-560	Livernois & Avon Rd.	14,755.69	7,050.95	7,704.74	Avon
TM-561	Quarton Road	21,419.41	10,112.05	11,307.36	Bloomfield
TM-562	Square Lake Road	11,872.42	5,612.95	6,259.47	Bloomfield
TM-563	Bellevue Street	3,138.84	1,800.13	1,338.71	Orion
TM-564	Oakley Park Road	34,298.83	19,197.59	15,101.24	Commerce
TM-565	Drahner Road	5,196.63	3,783.92	1,421.71	Oxford
TM-566	Pine Tree Street	19,044.13	10,133.02	8,911.11	Orion
TM-567	Loon Lake Road	23,359.10	13,133.72	10,225.38	Commerce
TM-569	Eleven Mile Road	4,458.16	2,229.08	2,229.08	Farmington
TM-570	Fish Lake Road	34.88	8.72	8.72	Rose
			8.72	8.72	Highland
T -571	Holly Hills Sub. # 2-3-4-5	20,025.76		20,025.76	Lawyers Title Ins. Co.
TM-572	Buell, Inwood & Rush	9,612.61	4,806.30	4,806.31	Oakland
TM-573	Walnut Lake Road	4,909.96	2,454.98	2,454.98	W. Bloomfield
T -577	Putnam Street	189.22	37.84	151.38	W. Bloomfield
TM-599	Granger Road	960.54		960.54	Gravel Producer
WO 4365	Powder Horn Estates	5,396.26	2,396.26	3,000.00	Powder Horn Subdivision
<b>Total Local Road Construction</b>		<b>548,403.68</b>	<b>269,458.87</b>	<b>278,944.81</b>	



## STATEMENT OF LOCAL ROAD &amp; BRIDGE CONSTRUCTION

Year 1964

<u>Project</u>	<u>Road</u>	<u>Amount</u>	<u>Motor Vehicle Funds</u>	<u>Townships and Other Contributions</u>
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(Continued)

## Local Road Construction

Sub-Total Brought Forward		548,403.68	269,458.87	278,944.81
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## \*Local Road Structures Construction

<u>Project</u>	<u>Road</u>			
SLFA-1000	Hamlin Road	44,248.95		Fed. Gov't.
SLFA-1001	Avon Road	56,859.79		Fed. Gov't.
SLFA-1002	Washington Road	32,514.44		Fed. Gov't.
SLFA-1003	Dutton Road	43,814.39		Fed. Gov't.
SLFA-1004	Burns Road	29,355.61		Fed. Gov't.
SLFA-1005	Dawson Road	38,018.13		Fed. Gov't.
SLFA-1006	Squirrel Road	26,980.55		Fed. Gov't.
SLFA-1008	Inkster Road	74,056.78		Fed. Gov't.
SLFA-1009	Pontiac Lake Road	29,037.78		Fed. Gov't.
Total Local Road				
Structures Construction		<u>374,886.42</u>	<u>206,125.33</u>	<u>168,761.09</u>
TOTAL LOCAL ROAD & STRUCTURES CONSTRUCTION		<u>923,290.10</u>	<u>475,584.20</u>	<u>447,705.90</u>

\*NOTE: Unpaid Federal Government share to be received in 1965 estimated to be \$18,500.00.

## CASH BUDGET FOR 1965

	<u>REVENUE</u>		
	1963 (Actual)	1964 (Actual)	1965 (Estimated)
<u>Motor Vehicle Highway Funds</u>	\$	\$	\$
Engineering	5,000	5,000	5,000
Primary Roads	3,821,318	4,098,789	4,400,000
Local Roads	887,140	940,849	1,000,000
Total	4,713,458	5,044,638	5,405,000
<u>Other Revenue</u>			
Participation by Cities & Adjacent Counties	118,575	330,996	350,000
Interest Earned	173,063	144,323	30,000
State Maintenance Contract	667,892	764,823	825,000
A.P.W. Federal Funds	None	256,500	20,000
Matching Projects, Townships	247,567	334,614	250,000
Calcium Chloride	125,602	121,387	120,000
Escrow Funds	479,833	707,861	500,000
Miscellaneous	215,637	375,685	315,500
Total Other Revenue	2,028,169	3,036,189	2,410,500
<b>TOTAL REVENUE</b>	<b>\$6,741,627</b>	<b>\$8,080,836</b>	<b>\$7,815,500</b>

EXPENDITURES

<u>Construction</u>			
Primary Road Contracts & Right of Way	506,148	548,970	1,815,000
Local Road Contracts & Right of Way	540,935	466,315	700,000
Bridge Construction (A.P.W. Projects)	8,528	337,681	5,000
Bond Payments	490,437	490,700	491,000
Total	1,546,048	1,843,666	3,011,000
<u>Other Expenditures</u>			
Material, Supplies & Parts	1,033,291	964,248	1,070,000
Payroll, Hourly	1,954,334	2,023,408	2,150,000
Distributive Expense, Pension, Fleet Insurance	536,932	595,433	662,000
Capital Outlay	336,726	320,447	486,000
Administrative Expense	683,042	706,433	730,000
Escrow Funds & Miscellaneous	416,921	517,428	503,000
Total Other Expenditures	4,961,246	5,127,397	5,601,000
<b>TOTAL EXPENDITURES</b>	<b>\$6,507,294</b>	<b>\$6,971,063</b>	<b>\$8,612,000*</b>

\* Minus expenditure of \$796,500 to come from unexpended funds received in 1964.

ADMINISTRATIVE DIRECTORY

Robert O. Felt	Chairman
Frazer W. Staman	Vice-Chairman
Sol D. Lomerson	Commissioner
John D. Boardman	Right of Way Buyer
Ira J. Davis, Jr.	Safety Supervisor
Audrey G. Ellixson	Purchasing Director
Milton McEachern, Jr.	Head Storekeeper
Leroy McEntee	Attorney
Irwin P. Nichols	Secretary-Clerk
Bernard D. Speace	Accountant
Paul Van Roekel	County Highway Engineer
John Wilson	Attorney

Engineering

James B. Baynes	Chief Engineer
William R. Mercer	Assistant Chief Engineer
David W. Hasse	Maintenance Engineer
Robert H. Laity	Plat Engineer
William J. Fognini	Design Engineer
Frank C. Beach	Planning Engineer
Norman T. Knapp	Special Projects Engineer
Dennis A. Grylicki	Construction Engineer
Gustav J. Mathes	Design
Jerome L. Kelly, Jr.	Design
Oleh R. Cieply	Mapping & plats
Charles E. Patterson	Design

## Administrative Directory, continued

Maintenance

Oscar D. Loomis	General Maintenance Superintendent
Robert W. Vincent	Superintendent of Pontiac District
Raymond F. Sherwood	Superintendent of Milford District
Edward M. Wright	Superintendent of Davisburg District
Clarence A. Page	Superintendent of Lake Orion District
Richard E. Hicks	Superintendent of Equipment Repair
Floyd H. McMillan	Assistant Superintendent of Pontiac District
George E. Keyser, Jr.	Assistant Superintendent of Pontiac District
Kenneth T. Newbound	Assistant Superintendent of Milford District
Lyle L. Barrigar	Assistant Superintendent of Davisburg District
Cecil R. Bracken	Assistant Superintendent of Lake Orion District
Gail Bracken, Jr.	Assistant Superintendent of Equipment Repair
Thomas J. Kennedy	Weighmaster
Elmer B. Hess	Radio Dispatcher
Arthur E. Drow	Maintenance of Signs and Painting

Forestry and Traffic

Robert W. Osgood	Forester and Traffic Engineer
Richard J. Folkers	Assistant to Traffic Engineer
Richard L. Kincaid	Superintendent of Forestry
Leonard F. Nickerson	Assistant Superintendent of Forestry
Floyd Harp	Radio and Traffic Signal Maintenance

March 30, 1964

The Honorable Board of Supervisors  
Of the County of Oakland  
Pontiac, Michigan

Gentlemen:


We are pleased to submit to your honorable body and to the people of Oakland County, our annual report for the fiscal year ending December 31, 1963.

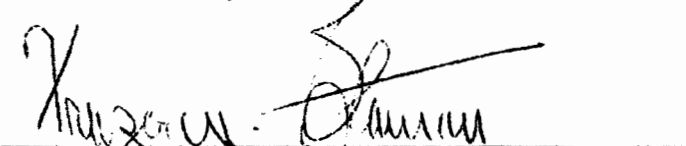
Combined in this report is a summary of our activities relating to the construction and maintenance of roads and bridges, of funds received and disbursed, and other information which will be of interest to you.

Respectfully submitted,

BOARD OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN

  
Sol D. Lomerson, Chairman

  
Robert O. Felt, Vice-Chairman

  
Frazer W. Staman, Commissioner

## FIFTIETH ANNIVERSARY

A Board of County Road Commissioners was first appointed on May 6, 1913, who had their first meeting the following day. On June 30, of this past year, an Open House was held to help commemorate our Fiftieth Anniversary and to give both the public and families of our employees an opportunity to visit our office and garages.

Several dignitaries or their representatives from our State Government along with many county and city officials toured our facilities, looked at displays and listened to short explanations of our work made by members of our staff along the tour route. Some 1,500 to 2,000 visitors attended in spite of very hot weather and we were very pleased with the turnout, the interest shown and the many nice comments.

## DEPARTMENT ACTIVITIES

### Maintenance

Two outstanding activities of our Maintenance Department occurred in 1963. The first was a higher than normal amount of breakup on paved subdivision streets in the south half of the county, which was mostly attributable to a very cold winter and a fairly high ground water table in some areas. A special program of repair was drawn up and crews worked all season to complete most of the work. Maintenance costs on local roads hit another new all-time high as a result.

The other event worthy of special comment was the opening of three new sections of freeways which, of course, means additional work for our Maintenance Department. The 29 miles opened to traffic increased the total to 78 miles in service with an additional 29 miles programmed during the next few years for construction.

The maintenance Department with 274 regular employees and some 200 pieces of self propelled equipment is by far the largest in our organization. The cost of maintenance on the 707 mile county primary system was \$1,657,326.39 for an average of \$2,343 per mile. The 1,689 mile local road system cost \$1,219,982.07 for maintenance for an average cost of \$722 per mile. These costs include work done as a result of contributions by individuals and townships.

The Road Commission continues to do most of the maintenance on state trunk lines for the State Highway Department for which we are reimbursed. The current contract runs from July 1, 1963, to June 30, 1964, and will total about \$850,000 for an average of about \$4,100 per mile.

The cities of Hazel Park, Oak Park, Ferndale, Berkley, Royal Oak and Madison Heights were paid \$21,975.69 to provide most of the maintenance on county roads within their limits as per annual maintenance contracts.

### Engineering

For the second year in a row records were set on the amount of construction accomplished on both the primary and local road systems. Approximately 60% of the projects included in our three year, eleven million dollar primary road construction program have been completed at the end of the second year.

At present there are 57 full time employees of whom 13 are graduate engineers. In addition to design and construction of county road projects this department furnishes other services such as issuing permits, of which there were 1,446 in 1963 on some \$10,422,000 worth of work, design approval and spot inspection on new plats and special assessment projects, maps and descriptions for right of way acquisition, surveys and plans for the Maintenance Department and considerable checking of construction on county roads along the new freeways. There were 45 new subdivision plats approved by the Board of County Road Commissioners in 1963 which created 13.83 miles of new subdivision streets estimated to cost \$955,508.56.

In the financial section of this report you will note that the total primary and local road construction in 1963 was \$3,688,206.43. This is an increase of 10% over the previous year and an increase of over 100% in the last five years.

### Forestry & Traffic

The main function of this department is the trimming and removal of trees in the right of way plus other duties such as spraying for brush control, maintenance of roadside table sites, erosion control, traffic signals, radios, traffic counts, intersection movement counts, radar speed checks and the issuance of permits to utility companies and others for overhead facilities, tree trimming, tree removal and roadside cleanup. There are 44 full time employees in this department. Over 3,500 trees were removed during the year and nearly 1,000 trees were trimmed. Of those removed, 1,838 were infected with the Dutch Elm Disease. The average cost of removal and disposal of these infected trees was \$33.06 per tree, a drop of 26.2%, however, the number of trees removed due to this disease increased 41.7%.

The Electrical Section of this department maintains 298 traffic signals and flashing beacons located throughout the county (State-94, County-88, and Cities-126), along with 79 illuminated warning signs. Since these devices must operate continuously for the most part, emergency repairs were made at night or on weekends on 214 occasions.

### Accelerated Public Works Projects

Two grants have been received and three others have been applied for. The first grant is for \$187,000 to help pay for the construction of nine bridges on various county local roads. Bids were received on October 1, 1963, and construction started in November. Most of the work will be done in the first half of 1964.

Bids are to be received on March 26, 1964, for a new 90 x 220 foot maintenance garage at Lake Orion, of which \$98,000 will be paid by a grant. The work also includes renovation of the existing building, moving a large steel building and site improvements.

### Safety

Our safety program is under the direction of a full time Safety Supervisor. Equipment operators were presented with safe driving awards at a dinner and program. These National Safety Council awards were as follows:

1 Year	-	21 Employees
2 Years	-	21 Employees
3 Years	-	108 Employees

These men represent approximately twelve million miles of driving without an accident.



Purchasing

Purchases for material, parts, supplies, office and shop equipment were \$1,044,101.56. In addition, the net cost of new road equipment was \$321,918.99. All large purchases are made only after advertising publicly for bids. The following quantities of material were used during 1963:

Liquid Calcium Chloride (Dust Layer)	
Commercial Producers	2,479,699 gal.
Road Commission Owned Brine Well	1,911,256 gal.
Liquid Calcium Chloride (Ice Control, '62-'63 season)	28,000 gal.
Flake Calcium Chloride (Ice Control, Sacks, '62-'63 season)	40 tons
Flake Calcium Chloride (Ice Control, Bulk, '62-'63 season)	404 tons
Rock Salt (Ice Control, Bulk, '62-'63 season)	9,583 tons
 Bituminous Materials:	
AE-2 (Patching)	110 gal.
AE-3 (Patching)	213,424 gal.
AC-85/100 (Crack Filling)	13,500 gal.
MC-O (Patching)	7,142 gal.
Seneca Special (Resealing)	111,483 gal.
 Pavement Marking Paint	
Yellow	6,010 gal.
White	7,085 gal.
Black	472 gal.
Beads	75,700 lbs.
 Culverts	
Corrugated Metal, round	19,544 feet
Corrugated Metal, formed bottom	1,264 feet
Concrete, plain	1,430 feet
Concrete, reinforced	398 feet
 Cement	528 sacks

RESOLUTION ADOPTED BY THE BOARD  
OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN,  
UNDER DATE OF DECEMBER 31, 1963.

WHEREAS, Section 9, Chapter IV of Act 283 of the Public Acts of 1909 as last amended (MSA 9.109) states: "The clerk of the county shall be the clerk of the board of county road commissioners, and shall keep the records and accounts of the board, and preserve its files in a manner directed by the board: Provided, however, that when, in the opinion of the board of county road commissioners, the work is of a sufficient volume, the board may appoint a secretary, with the permission of the board of supervisors, who shall be and act as clerk of the board, and whose salary together with the salaries of the members of the board of county road commissioners, shall be paid by the board of county road commissioners from the county road funds." and

WHEREAS, This Board did heretofore determine that the work is of sufficient volume and did with the permission of the board of supervisors, appoint Irwin P. Nichols as Secretary-Clerk of this Board,

NOW, THEREFORE, BE IT RESOLVED, That this Board hereby redetermines that in its opinion the work is of sufficient volume and that Irwin P. Nichols be and that he is hereby reappointed as Secretary for the year 1964 and that he shall be and act as Clerk of this Board, at the salary provided for in the "Classification Schedule for Administrative Employees" adopted by the Board under date of December 31, 1963.

BE IT FURTHER RESOLVED, That the salary of the said Irwin P. Nichols together with the salaries of the members of this Board shall be paid from the county road funds, and

BE IT FURTHER RESOLVED That the duties of the said Secretary-Clerk shall be those delegated to the Secretary-Clerk by law and by action of this Board.

STATE AND COUNTY  
ROAD MILEAGE  
in  
OAKLAND COUNTY  
on  
MARCH 1, 1964

<u>STATE TRUNK LINE HIGHWAYS</u>		
	<u>Miles</u>	<u>Total Miles</u>
Two Lane Pavement	53.60	
Four or More Lanes of Pavement	83.35	
Freeways (Limited Access)	77.60	
Ramps	<u>23.40</u>	237.95
<u>PRIMARY COUNTY ROADS</u>		
Surface Treated Gravel	54.10	
Gravel Surface	160.44	
Mixed Bituminous-Gravel Base	197.03	
Mixed Bituminous-Concrete Base	224.67	
Cement Concrete	<u>71.17</u>	707.41
<u>LOCAL COUNTY ROADS</u>		
Surface Treated Gravel	22.98	
Gravel Surface	1,396.66	
Mixed Bituminous-Gravel Base	269.25	
Cement Concrete	<u>0.68</u>	1,689.57
TOTAL MILES		<u>2,634.93</u>

1963

CONSTRUCTION ON FEDERAL AID SECONDARY ROADS

These projects were built using 50% Federal Aid Funds and 50% County Road Commission Primary Road Construction Funds and Bond Funds.

<u>Proj.No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u>
FAB-448	Eight Mile	3.03	Haggerty to Farmington	G.D. & 24' concrete	L.A. Davidson	\$ 181,469.44 (Oakland Share)
FAB-485	Baldwin	3.14	Seymour Lake to Oakwood	G.D. & Aggregate Base	O.E. Gooding	129,150.47
FAB-496	Halstead	2.01	Grand River to 12 Mile	G.D. & Aggregate Base	O.E. Gooding	121,392.87
FAB-499	Milford	3.44	10 Mile to Grand River	G.D. & Aggregate Base	O.E. Gooding	185,060.79

1963  
PRIMARY ROAD CONSTRUCTION

The following major projects were substantially completed during 1963 from County Road Commission Primary Road Construction Funds and Bond Funds:-

<u>Proj.No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
PR-438	Southfield	2.6	9 1/2 Mile to 12 Mile	Widen to 60' concrete	Denton	796,315.59
CW-454	Livernois	1.0	14 Mile to Maple	Widen to 4 lanes with conc.	Cooke Contracting	172,390.83*
CW-456	Maple (east)	1.0	Adams to Coolidge	Widen to 4 lanes with conc.	Oak Construction	118,994.20*
PR-462	Union Lake	1.4	Commerce to Cooley Lake	Reconst.to 24' conc.	H.C.Shingledecker	482,683.10
PR-473	Walton-Sashabaw	---	Intersection	Widen to 4 lanes, conc.	Michigan Curb	75,151.39
CWB-479	Southfield	1.01	12 Mile to 13 Mile	Widen to 60' concrete	Kutchins Company	366,598.37*
PRB-484	Avon	1.00	John R to Dequindre	2"x22' Bit.Agg.Surface	Peake Asphalt	20,050.54
PRB-486	Big Beaver	1.50	I-75 to M-150	Reconst.to 24' concrete	Cooke Contracting	227,680.31
PRB-488	Clintonville	1.1	Mann Road to I-75	2"x22' Bit.Agg.Surface	Ann Arbor Const.	18,417.82
PRB-491	Dequindre	0.6	Avon to 24 Mile Road	2"x22' Bit.Agg.Surface	Peake Asphalt	9,841.73**
PRB-492	Farmington	1.0	13 Mile to 14 Mile	Grade for 2"x22' Bit.Agg.Surf. in 1964	Sterling Garrett	65,836.25
PRB-497	Hatchery	0.6	US-10 west for 0.6 mile	2"x22' Bit.Agg.Surface	Ann Arbor Const.	8,343.49
PRB-498	Maybee	2.0	Sashabaw to US-10	Grade for 2"x22' Bit.Agg.Surf. in 1964	O.V.Atkinson	166,014.59
PR-501	Orchard Lake	---	Grand River Intersection	Reconst.to 3 lanes, conc.	J.C.Sachs Co.	21,748.41

\* Approximate, adjacent cities paid 25% of total cost.

\*\* Macomb County paid 50% of total cost.

1963  
LOCAL ROAD CONSTRUCTION

The following projects were substantially completed during 1963 with the Road Commission paying 50% of the cost and the townships generally paid the other 50%.

<u>Proj.No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
TM-469	Shiawassee	0.55	9 Mile to Farmington City Limits	G.D. & 2"x20' Bit. Agg. Surf.	Stanley B. Jones	66,310.11
TM-475	Heights	0.39	Brittan Drive east to M-24	2"x20' Bit. Agg. Surf.	Dan Hadrill	21,664.93
TM-477	Drahner	0.78	Pontiac Street to M-24	G.D.S. & Double Seal	R.A. Cousino	14,719.43
TM-503	9 Mile	0.5	Farmington to Gill Road	G.D. & 8"x20' concrete	Sterling Garrett	79,071.81
TM-504	Oxbow Lake	0.71	Elizabeth Lake south	2"x20' Bit. Agg. Surf.	Ann Arbor Const.	9,512.74
TM-505	Walnut Lake	0.8	Orchard Lake to Farmington	2"x20' Bit. Agg. Surf.	Ann Arbor Const.	10,845.92
TM-506	Carroll Lake	1.52	Commerce to Cooley Lake	2"x20' Bit. Agg. Surf.	Ann Arbor Const.	18,511.17
TM-507	Wise	0.80	Commerce to existing bit. surf.	2"x20' Bit. Agg. Surf.	Ann Arbor Const.	12,746.89
TM-508	Sands	0.65	Oakwood to State Park Road	G.D. & Agg. Base	Corey & Hartwig	25,988.79
TM-514	Willow	0.3	Union Lake Road to east township line	G.D. & Agg. Base	Dan Hadrill	20,484.52
TM-515	Willow	0.45	Kieth to west twp. line	G.D. & Agg. Base	Dan Hadrill	24,675.64
TM-516	Square Lake	0.37	Middlebelt to twp. line	G.D. & Agg. Base	Groleau Brothers	31,686.76
TM-517	Welch	2.15	Maple to Oakley Park	G.D. & Agg. Base	C.W. Anderson	71,755.05
TM-518	Maybee	0.54	Baldwin to Grafton	2"x20' Bit. Agg. Surf.	Cooke Contracting	7,632.46
TM-519	Fairview	0.6	Indianwood to Village Limits	Recondition Base & 2" Bit. Agg. Surface	A. & A. Asphalt Paving Co.	9,607.84

Local Road Construction, continued

<u>Proj. No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
TM-520	Livernois	0.45	Avon north to Harding	G.D. & Agg. Base	Groleau Brothers	25,893.99
T-522	Martindale Johns 9 Mile 12 Mile	--- --- --- ---	10 Mile to 11 Mile 10 Mile to 11 Mile Pontiac Trail to Griswold Haas to Johns Road	Ditch and gravel where needed.	County Forces	17,235.70*
T-523	Sandyside	0.15	Southeastern to Union Lake Road	G.D. & 2" x 20' Bit. Agg. Surf.	Dan Haddrill	9,559.27*
TM-524	Quarton	0.97	Inkster to Franklin	G.D. & Agg. Base	Pickett & Schreur	52,968.57
T-526	Caryn & Marvin		Section 9, Farmington	G.D. & Gravel Surface	Groleau Brothers	7,496.48**
TM-527	Square Lake	0.7	Klingensmith to Telegraph	G.D. & Agg. Base	Sterling Garrett	33,064.43
TM-528	Bender	0.25	Hatchery Road to school	G.D. & Bit. Agg. Surf.	Stanley B. Jones	43,697.86
TM-529	Buell	0.4	M-150 west	G.D. & Gravel Surface	County Forces	9,228.59
TM-530	Predmore	0.5	M-150 west	G.D. & Gravel Surface	County Forces	11,116.39

\* Township paid 100% of cost.  
 \*\* Bonding Company paid 100% of cost.

1964

PROPOSED CONSTRUCTION, FEDERAL AID SECONDARY ROADS

These projects will be built using 50% Federal Aid Funds and 50% County Road Commission primary Road Construction Funds and Bond Funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
FAB-494	Haggerty	1.3	Maple to M-218	Reconst. to 24' concrete	\$ 200,000.00*
FAB-533	Baldwin	2.94	Seymour Lake Road to Oakwood	2 1/2" x20' Bit.Agg.Surf.	70,000.00
FAB-541	Halstead	2.01	Grand River to 12 Mile	2 1/2" x20' Bit.Agg.Surf.	40,000.00
FAB-544	Milford	3.37	10 Mile to Grand River	2 1/2" x20' Bit.Agg.Surf.	70,000.00

\* Under contract to O.E. Gooding & Company



1964  
PROPOSED CONSTRUCTION, PRIMARY ROADS

Most of these projects are part of the three year construction program for which the \$6,000,000 bond issue was sold and will be paid for with Bond Funds and also regular Gas-Weight Tax Funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u> \$
PRB-483	Adams	1.0	Crooks to Walton	Grade & 24' concrete	150,000.00
PRB-444	Bogie Lake	3.7	Cooley Lake (E) to M-59	Grade & relocate as needed, add base as needed	110,000.00
PRB-534	Bogie Lake	3.7	Cooley Lake (E) to M-59	2" x22' Bit. Agg. Surf.	75,000.00
PRB-489	Cooley Lake	4.27	Elizabeth Lake Road to Union Lake Road	Reconstruct to 24' concrete	650,000.00
PR-535	Crooks	1.0	Long Lake Road to Wattles	Widen to 22' & Bit. Conc. Surface Cse.	20,000.00*
CWB-490	Crooks	1.0	14 Mile to Maple	Widen to 48' concrete	120,000.00**
PR-536	8 Mile Relocation	---	At Novi Road & Old Base Line	Relocation of roadway	100,000.00**
CWB-478	Eleven Mile	1.5	Dequindre to I-75	Widen to 48' concrete	240,000.00**
PRB-537	Farmington	1.0	13 Mile to 14 Mile	2 1/2" x22' Bit. Agg. Surf.	25,000.00
CWB-538	Fourteen Mile	2.48	Dequindre to Rochester	Widen to 48' concrete	360,000.00**
CWB-539	Fourteen Mile	1.0	Greenfield to Southfield	Widen to 48' concrete	120,000.00**
CWB-493	Fourteen Mile & Cranbrook	1.5	Southfield to Lincoln	Grade & 24' concrete pavement	420,000.00
CWB-540	Greenfield	2.99	11 Mile to 14 Mile	Widen to 48' concrete	420,000.00**

\* County share, State Highway Department to repair concrete and place bituminous base course.

\*\* Adjacent cities to pay 25% of total cost.

\*\*\* Wayne County to pay 50% of total cost.

Proposed Construction, Primary Roads continued

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u> \$
PRB-495	Haggerty	1.0	14 Mile to Maple	2" x22' Bit.Agg.Surf.	25,000.00
PR-542	Long Lake	4.0	Adams to Rochester Road	Widen to 22' & Bit.Conc.Surf.Cse.	80,000.00*
PR-525	Long Lake	---	Telegraph Road Intersection	Reconstruct to 52' b. to b., concrete	50,000.00
PRB-543	Maybee	2.0	Sashabaw to US-10	2" x22' Bit.Agg.Surf.	40,000.00
PR-552	Middlebelt	0.4	8 Mile to Grand River	Widen to 48' conc., bridge	100,000.00
PRB-545	Mt.Clemens	0.41	I-75 to Pontiac Road	Reconst. to concrete pavement	100,000.00
B-531 APW-411G	Orion Garage	---		New Garage	240,000.00
CWB-546	Rochester	1.5	14 Mile to M-150	Widen to 48' concrete & bridge	360,000.00**
PRB-547	South Boulevard	2.0	M-24 to Adams Road	Reconst. to 24' concrete	300,000.00
CWB-480	Southfield	1.0	13 Mile to 14 Mile	Widen to 60' concrete	220,000.00
CWB-548	Ten Mile (Extent of construction, if any, depends on location of I-696)	4.5	E.Lts. Ferndale to Greenfield	Widen to 48' concrete	680,000.00**
CWB-549	Ten Mile	2.14	Greenfield to Northwestern	Widen to 48' concrete	300,000.00**
CWB-550	12 Mile	1.0	Southfield to Greenfield	Widen to 48' concrete	120,000.00**
CWB-551	12 Mile	0.4	Stephenson to Campbell	Reconstruct to 48' concrete	120,000.00**
PRB-500	Voorheis	0.3	James K to M-59	Reconstruct to 31' b.to b. of curb, conc.	50,000.00

\* County share, State Highway Department to repair concrete and place bituminous base course.

\*\* Adjacent cities to pay 25% of total cost.

1964

PROPOSED CONSTRUCTION, LOCAL ROADS

These local road construction projects are in the process of being set up as matching projects or have already been approved. Each township will pay 50% of the total final cost and the Road Commission will pay the other 50% from road funds budgeted for matching purposes. Several more projects will be added by May 15, 1964, as other townships submit projects and their share of the funds.

<u>Proj. No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
					\$
TM-532	Johns	0.25	Livingston Street to M-59	G.D. & Bit. Agg. Surf.	9,400.00
TM-553	Old Perch	1.1	Avon to Walton Boulevard	G.D. & Agg. Base	55,800.00
TM-554	Charing Cross	0.7	Bloomfield Hills City Lts. to Wattles Road	G.D. & Bit. Agg. Surf.	71,800.00
T-555	Eleanor	0.25	Livingston Street to M-59	G.D. & Gravel Surface	10,000.00*
TM-556	Sands	0.70	Oakwood to State Park Road	2" x 20' Bit. Agg. Surf.	11,500.00
TM-557	Willow	0.69	Union Lake to Keith	2" x 20' Bit. Agg. Surf.	13,800.00
TM-558	Square Lake	0.29	Middlebelt to east twp. line	2" x 20' Bit. Agg. Surf.	5,400.00
TM-559	Welch	2.00	Maple to Oakley Park	2" x 20' Bit. Agg. Surf.	35,700.00
TM-560	Livernois-Avon	0.92	Railroad to end of existing surf.	2" x 20' Bit. Agg. Surf.	16,200.00
TM-561	Quarton	0.98	Inkster to Franklin	2" x 20' Bit. Agg. Surf.	17,900.00
TM-562	Square Lake	0.64	Klingensmith to Telegraph	2" x 20' Bit. Agg. Surf.	12,900.00
TM-563	Bellevue	0.08	Heights to Lake Orion Lts.	Grade & 2 1/4" x 20' Bit. Agg. Surf.	3,770.00
TM-564	Oakley Park	1.85	South Commerce to Haggerty	G.D. & Agg. Base	147,000.00
	Pine Tree	0.5	Clarkston to Heights	G.D. & Agg. Base	20,500.00

\* Township to pay 100% of the cost.

Proposed Construction, Local Roads continued

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
TM-521	Waldon	0.6	End of existing pavement east for approximately 0.6 mile	G.D. & Agg.Base	\$ 50,000.00

BALANCE  
DecemberASSETS:General Operating Fund

County Treasurer's Cash Accounts	403,693.10	
County Treasurer's Primary Road Bond Construction Fund	<u>2,292,765.69</u>	2,696,458.79
Imprest Cash - Office		150.00
Payroll - Bank Account		2,500.00
Accounts Receivable:		
State Trunkline Maintenance	197,036.72	
State Highway Department - Other	56,980.67	
Due on County Road Agreement	83,147.20	
Sundry Account Receivable	<u>62,389.76</u>	399,554.35
Inventories:		
Equipment Materials & Parts	93,602.86	
Road Materials	<u>238,031.05</u>	331,633.91
Prepaid Insurance		52,249.83
Deferred Expense F. A. S.		224,032.36
Escrow - National Bank of Detroit		<u>90,506.25</u>
Total General Operating Fund		3,797,085.49

Fixed Asset Fund

Land & Improvements		311,521.28
Buildings	1,013,490.41	
Less: Reserve for Depreciation	<u>142,376.09</u>	871,114.32
Equipment Road	2,606,431.56	
Less: Reserve for Depreciation	<u>1,324,020.78</u>	1,282,410.78
Equipment Shop	77,167.54	
Less: Reserve for Depreciation	<u>45,367.83</u>	31,799.71
Equipment Office	87,287.31	
Less: Reserve for Depreciation	<u>55,490.84</u>	31,796.47
Equipment Engineers	8,553.84	
Less: Reserve for Depreciation	<u>3,488.07</u>	5,065.77
Depletable Assets	78,344.64	
Less: Reserve for Depletion	<u>70,032.36</u>	8,312.28
Total Fixed Assets		2,542,020.61

Long Term Fund

Amount to be Provided for the Retirement of Bonds		1,313,750.00
Amount to be Provided for the Retirement of Long Term Notes		<u>5,800,000.00</u>
Total Long Term Funds		<u>7,113,750.00</u>

TOTAL ASSETS

13,452,856.10

SHEET  
31, 1963

LIABILITIES AND FUND EQUITIES:

General Operating Fund

Liabilities

Accounts Payable	224,175.43	
Accrued Liability	15,504.40	
Advances - Township & Others	98,138.04	
Other - Deposits by Subdividers & Contractors	422,374.15	
Other - Long Term Debt Payments		
Highway Bond Interest	90,506.25	
Other - Work Orders in Progress	-1,824.75	

Available Operating Funds

Motor Vehicle Highway Funds	271,078.37	
Highway Construction Funds	2,292,765.69	
County Road Commission Funds	<u>384,367.91</u>	
Total Operating Fund Equities		<u>2,948,211.97</u>
Total Operating Liabilities and Equities		3,797,085.49

Fixed Asset Fund

Plant and Equipment Equity		2,542,020.61
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Long Term Debt Fund

Farmington - Brighton Expressway Bonds	121,250.00	
Northwestern Expressway Bond	1,192,500.00	
County Highway Bonds	<u>5,800,000.00</u>	
Total Long Term Debt Fund		<u>7,113,750.00</u>

TOTAL LIABILITIES AND FUND EQUITIES

13,452,856.10

## SUMMARY OF RECEIPTS AND EXPENDITURES

Year 1963

COUNTY HIGHWAY RECEIPTSRevenue Receipts

State Funds - Motor Vehicle Highway Funds	4,713,458.31
Federal Aid Secondary Funds	206,673.49
County Raised Revenues	488,866.00
Miscellaneous Receipts	<u>190,292.76</u>
Total Revenue Receipts	5,599,290.56

TOTAL HIGHWAY RECEIPTS	<u><u>5,599,290.56</u></u>
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COUNTY HIGHWAY EXPENDITURES

Construction	3,688,206.43
Maintenance	2,877,308.46
Equipment Account	-71,605.91
Interest	185,437.50
Administration	<u>336,019.60</u>

Total Operating Expenditures	7,015,366.08
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NON-OPERATING EXPENDITURES

Capital Outlay	88,764.57
Long Term Debt Payments	<u>305,000.00</u>

Total Non-Operating Expenditures	<u>393,764.57</u>
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TOTAL HIGHWAY EXPENDITURES	7,409,130.65
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Decrease in Available Operating Funds	<u>-1,809,840.09</u>
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<u>NET TOTAL</u>	<u><u>5,599,290.56</u></u>
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## COUNTY HIGHWAY RECEIPTS

Year 1963

REVENUE RECEIPTS

## State Funds - Motor Vehicle Highway Funds

## Engineering Services

Primary Road Fund	4,060.00	
Local	<u>940.00</u>	
Total Engineering Services		5,000.00

## County Primary Road Fund

Amount of Allocation	3,821,317.91	
Optional Transfer	<u>-382,131.79</u>	
Net for Primary Roads		3,439,186.12

## County Local Road Fund

Amount of Allocation	887,140.40	
Optional Transfer	<u>382,131.79</u>	
Net for Local Roads		<u>1,269,272.19</u>

## Total Motor Vehicle Highway Funds

4,713,458.31

## Federal Funds

Federal Aid Secondary		206,673.49
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## County Raised Revenues

Township Contributions	368,596.35	
Other Contributions	<u>120,269.65</u>	
Total County Raised Revenues		488,866.00

## Miscellaneous Receipts

Salvage Sales	2,362.35	
Interest Earned	173,063.66	
Property Rentals	525.00	
Sundry Refunds	1,385.54	
Sale of Maps	323.55	
Permit Fees	<u>12,632.66</u>	
Total Miscellaneous Receipts		<u>190,292.76</u>

## TOTAL of HIGHWAY RECEIPTS

5,599,290.56



## COUNTY HIGHWAY EXPENDITURES

Year 1963

<u>Primary Road System</u>	<u>Local Road System</u>
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OPERATING EXPENDITURES

## Construction (All Costs Except Administration)

Roads - County Road Fund	772,389.16	661,209.34	
Roads - Bond Fund	<u>2,254,607.93</u>	<u>        </u>	
Total Construction Expenditures	3,026,997.09	661,209.34	3,688,206.43

## Maintenance (All Cost Except Administration)

General Maintenance - Roads	1,220,382.38	1,064,433.97	
General Maintenance - Structures	3,849.58	1,148.34	
Snow and Ice Control	270,778.59	127,529.53	
Traffic Control	140,340.15	26,870.23	
Maintenance Agreements	<u>21,975.69</u>	<u>        </u>	
Total Maintenance	1,657,326.39	1,219,982.07	2,877,308.46

## Equipment Account - Expense

Direct	637,760.67	
Indirect & Storage	263,654.20	
Operating	<u>104,706.23</u>	
Total Equipment Expense		1,006,121.10

## Credits to Equipment Account

Equipment Rental	<u>-1,077,727.01</u>	
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Net Credit to Equipment Account		-71,605.91
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Interest Expense - Primary		185,437.50
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## COUNTY HIGHWAY EXPENDITURES

Year 1963

OPERATING EXPENDITURES - Continued

Administrative Expense		392,620.59	
Credits to Administrative Accounts			
Handling Charges on Materials sold	10,456.84		
Overhead - State Trunkline Maint.	35,509.29		
Purchase Discount	5,618.19		
Plat Fees	<u>5,016.67</u>		
Total Credits to Administration		<u>56,600.99</u>	
Net Administrative Expense			336,019.60
Administration Proration			
Primary System	252,014.70		
Local System	<u>84,004.90</u>		
TOTAL OPERATING EXPENDITURES			<u>7,015,366.08</u>

## NON-EXPENSE DEBITS

Capital Outlay			
Land & Improvements	6,708.01		
Buildings	8,656.73		
Equipment	<u>396,594.90</u>		
Depletable Assets		411,959.64	
Less: Non-Revenue Credits			
Equipment Retirements	16,569.04		
Depreciation & Depletion	<u>306,626.03</u>		
Total Non-Revenue Credits		<u>-323,195.07</u>	
NET CAPITAL OUTLAY EXPENDITURES		88,764.57	
Long Term Debt Payments			
Expressway Bonds			
Farmington-Brighton Expressway	15,000.00		
Northwestern Expressway	90,000.00		
County Primary Roads	<u>200,000.00</u>		
Total Long Term Debt Payment		<u>305,000.00</u>	
TOTAL NON-EXPENSE DEBITS			<u>393,764.57</u>
TOTAL EXPENDITURES			7,409,130.65
Decrease in Available Operating Funds			<u>-1,809,840.09</u>
TOTAL EXPENDITURES AND FUND EQUITY ADJUSTMENT			<u><u>5,599,290.56</u></u>

## STATEMENT OF LOCAL ROAD &amp; BRIDGE CONSTRUCTION

Year 1963

<u>Project</u>	<u>Road</u>	<u>Amount</u>	<u>Motor Vehicle Funds</u>	<u>Townships and Other Contributions</u>
TM-411	Lone Pine Road	12,017.70	5,407.96	6,609.74 Bloomfield
TM-436	Carrol Lake Road	10,054.34	4,524.46	5,529.88 Commerce
TM-439	Midland Street	2,151.40	1,046.10	1,105.30 Waterford
TM-466	Oxbow Lake Road	6,855.65	3,408.52	3,447.13 White Lake
TM-468	School Road	942.81	550.40	392.41 Southeastern Authority
TM-469	Shiawassee Road	61,370.11	30,625.44	28,594.67 Farmington 2,150.00 North Flint Plaza, Inc.
TM-475	Heights Road	21,664.93	11,068.35	10,596.58 Orion
TM-476	Walunt Lake Road	9,417.87	4,668.29	4,749.58 W. Bloomfield
TM-477	Drahner Road	6,351.98	3,107.97	3,244.01 Oxford
TM-503	Nine Mile Road	59,378.22	39,684.63	19,693.59 Farmington
TM-504	Oxbow Lake Road	9,512.74	4,515.65	4,997.09 White Lake
TM-505	Walnut Lake Road	10,845.92	5,243.45	5,602.47 W. Bloomfield
TM-506	Carroll Lake Road	18,511.17	8,710.43	9,800.74 Commerce
TM-507	Wise Road	12,746.89	6,056.60	6,690.29 Commerce
TM-508	Sands Road	23,688.79	13,097.78	10,591.01 Brandon
TM-514	Willow Road	18,284.52	10,227.59	8,056.93 Commerce
TM-515	Willow Road	21,875.64	12,320.48	9,555.16 W. Bloomfield
TM-516	Square Lake Road	29,130.70	14,986.55	14,144.15 W. Bloomfield
TM-517	Welch Road	65,071.86	36,145.23	28,926.63 Commerce
TM-518	Maytee Road	7,632.46	3,600.80	4,031.66 Orion
TM-519	Fairview Street	9,607.84	4,579.39	5,028.45 Orion
TM-520	Livernois Road	25,893.99	13,517.31	12,376.68 Avon
TM-521	Waldon Road	46.09	46.09	Independence
TM-522A	Martindale Road	7,333.43		7,333.43 Lyon
TM-522B	Johns Road	3,274.44		3,274.44 Lyon
TM-522C	Nine Mile Road	2,599.85		2,599.85 Lyon
TM-522D	12 Mile Road	4,027.98		4,027.98 Lyon
T -523	Sandyside	9,559.27	698.63	8,860.64 White Lake
TM-524	Quarton Road	43,475.18	23,599.80	19,875.38 Bloomfield
T -526	Caryn & Marvin Streets	7,496.48	616.48	6,880.00 U. S. Fidelity & Guarnty Co.
TM-527	Square Lake Road	33,064.43	17,068.18	15,996.25 Bloomfield
TM-528	Bender Street	39,890.02	14,336.20	25,553.82 Waterford
TM-529	Buell Road	9,228.59	4,614.29	4,614.30 Oakland
TM-530	Predmore Road	11,116.39	5,558.19	5,558.20 Oakland
TM-532	Johns Road	908.76	908.76	Highland
TM-553	Old Perch Road	17.52	17.52	Avon
W. O. 3894	Brown Road	4,836.86	4,836.86	
Total Local Road Construction		619,882.82	309,394.38	310,488.44

## STATEMENT OF LOCAL ROAD &amp; BRIDGE CONSTRUCTION

Year: 1963

	<u>Amount</u>	<u>Motor Vehicle Funds</u>	<u>Townships and Other Contributions</u>
(Continued)			
Local Road Construction			
Sub-Total Brought Forward	619,882.82	309,394.38	310,488.44
*Local Road Structures Construction			
<u>Project</u>	<u>Road</u>		
SLFA-1000	Hamlin Road	2,239.99	2,239.99
SLFA-1001	Avon Road	14,460.81	14,460.81
SLFA-1002	Washington Road	1,536.17	1,536.17
SLFA-1003	Dutton Road	7,368.04	7,368.04
SLFA-1004	Burns Road	1,745.35	1,745.35
SLFA-1005	Dawson Road	5,522.38	5,522.38
SLFA-1006	Squirrel Road	1,799.07	1,799.07
SLFA-1008	Inkster Road	2,789.13	2,789.13
SLFA-1009	Pontiac Lake Road	2,099.45	2,099.45
SLFA-1010	Mill Street	1,766.13	1,766.13
Total Local Road			
Structures Construction	<u>41,326.52</u>	<u>41,326.52</u>	<u>                  </u>
TOTAL LOCAL ROAD & STRUCTURES CONSTRUCTION	<u>661,209.34</u>	<u>350,720.90</u>	<u>310,488.44</u>

\*NOTE: Federal Government participation not shown. Payable in 1964.

## CASH BUDGET FOR 1964

<u>REVENUE</u>		
	1963	1964
<u>Motor Vehicle Highway Funds</u>	\$	\$
Engineering	5,000	5,000
Primary Roads	3,821,318	4,050,000
Local Roads	887,140	920,000
Total	<u>4,713,458</u>	<u>4,975,000</u>
<u>Other Revenue</u>		
Participation by Cities & Adjacent Counties	118,575	130,000
Interest Earned	173,063	120,000
State Maintenance Contract	667,892	770,000
A. P. W. Federal Funds	None	285,000
Matching Projects, Townships	247,567	300,000
Calcium Chloride	125,602	120,000
Escrow Funds	479,833	450,000
Miscellaneous <i>le of - apes, p...</i>	215,637	214,500
Total Other Revenue <i>...</i>	<u>2,028,169</u>	<u>2,389,500</u>
<b>TOTAL REVENUE</b>	<b>\$6,741,627</b>	<b>\$7,364,500</b>
<u>EXPENDITURES</u>		
	\$	\$
<u>Construction</u>		
Primary Road Contracts & Right of Way	506,148	900,000
Local Road Contracts & Right of Way	540,935	550,000
Bridge Construction (A. P. W. Projects)	8,528	370,000
Bond Payments	490,437	490,500
Total	<u>1,546,048</u>	<u>2,310,500</u>
<u>Other Expenditures</u>		
Material, Supplies & Parts	1,033,291	999,000
Payroll, Hourly	1,954,334	2,050,000
Distributive Expense, Pension, Fleet Insurance	536,932	552,000
Capital Outlay	336,726	303,000
Administrative Expense	683,042	697,000
Escrow Funds & Miscellaneous	416,921	453,000
Total Other Expenditures	<u>4,961,246</u>	<u>5,054,000</u>
<b>TOTAL EXPENDITURES</b>	<b>\$6,507,294</b>	<b>\$7,364,500</b>

ADMINISTRATIVE DIRECTORY

Sol D. Lomerson	Chairman
Robert O. Felt	Vice-Chairman
Frazer W. Staman	Commissioner
Lloyd L. Anderson	Right of Way Buyer
John D. Boardman	Right of Way Buyer
Willis M. Brewer	Personnel Director and Co-ordinator
Ira J. Davis, Jr.	Safety Supervisor
Audrey G. Ellixson	Purchasing Director
Milton McEachern, Jr.	Head Storekeeper
Leroy McEntee	Attorney
Irwin P. Nichols	Secretary-Clerk
Bernard D. Speace	Accountant
Paul Van Roekel	County Highway Engineer
John Wilson	Attorney

ENGINEERING

James B. Baynes	Chief Engineer
William R. Mercer	Assistant Chief Engineer
David W. Hasse	Maintenance Engineer
Robert H. Laity	Plat Engineer
William J. Fognini	Design Engineer
David M. Burns	Construction Engineer
Norman T. Knapp	Special Projects Engineer
Dennis A. Grylicki	Assistant to Construction Engineer
Gustav J. Mathes	Design
Jerome L. Kelly, Jr.	Design
Oleh R. Cieply	Mapping & Plats
Charles E. Patterson	Design

## Administrative Directory, continued

MAINTENANCE

Oscar D. Loomis	General Maintenance Superintendent
Robert W. Vincent	Superintendent of Pontiac District
Raymond F. Sherwood	Superintendent of Milford District
Edward M. Wright	Superintendent of Davisburg District
Clarence A. Page	Superintendent of Lake Orion District
Richard E. Hicks	Superintendent of Equipment Repair
Floyd H. McMillan	Assistant Superintendent of Pontiac District
George E. Keyser, Jr.	Assistant Superintendent of Pontiac District
Kenneth T. Newbound	Assistant Superintendent of Milford District
Lyle L. Barrigar	Assistant Superintendent of Davisburg District
Cecil R. Bracken	Assistant Superintendent of Lake Orion District
Thomas J. Kennedy	Weighmaster
Elmer B. Hess	Radio Dispatcher
Arthur E. Drow	Maintenance of Signs and Painting
Gail Bracken, Jr.	Garage Foreman
Ralph S. Hine	Garage Foreman

FORESTRY AND TRAFFIC

Robert W. Osgood	Forester and Traffic Engineer
Richard J. Folkers	Assistant to Traffic Engineer
Richard L. Kincaid	Superintendent of Forestry
Leonard F. Nickerson	Assistant Superintendent of Forestry
Floyd Harp	Radio and Traffic Signal Maintenance

50th  
ANNUAL REPORT  
of the  
BOARD OF COUNTY ROAD COMMISSIONERS  
to the  
BOARD OF SUPERVISORS OF OAKLAND COUNTY  
MICHIGAN, FOR THE YEAR  
1962

\*\*\*\*\*

Sol D. Lomerson, Chairman  
Robert O. Felt, Vice-Chairman  
Frazer W. Staman, Commissioner  
Paul Van Roekel, County Highway Engineer

\*\*\*\*\*

2420 Pontiac Lake Road, Pontiac, Michigan



March 28, 1963

The Honorable Board of Supervisors  
Of the County of Oakland  
Pontiac, Michigan

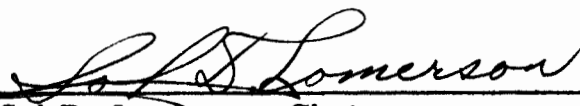
Gentlemen:

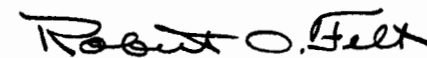
We are pleased to submit to your honorable body and to the people of Oakland County, our annual report for the fiscal year ending December 31, 1962.

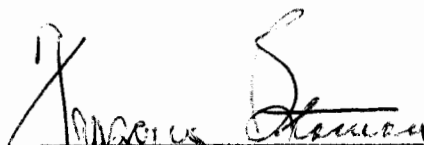
Combined in this report is a summary of our activities relating to the construction and maintenance of roads and bridges, of funds received and disbursed, and other information which will be of interest to you.

Respectfully submitted,

BOARD OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN

  
\_\_\_\_\_  
Sol D. Lomerson, Chairman

  
\_\_\_\_\_  
Robert O. Felt, Vice-Chairman

  
\_\_\_\_\_  
Frazer W. Staman, Commissioner

## FIFTIETH ANNIVERSARY

On May 6, 1913, the Board of Supervisors of Oakland County met in Pontiac at a special session, to appoint a Board of County Road Commissioners, made possible by an act of the Legislature. At this meeting, a definite program for the development of certain main highway arteries was outlined, and a tax of two mills was levied to provide funds. The Board of County Road Commissioners had their first meeting on May 7, 1913.

This is the fiftieth annual report of the Road Commission to the Board of Supervisors and the actual fiftieth anniversary will soon be reached. Considering the many years of war and depression when few roads were built it is obvious that our present network of roads were created and built at a very rapid pace.

## DEPARTMENT ACTIVITIES

### Engineering

Responsibility for designing and constructing the first year's work on our three year, six million dollar, primary road construction program has fallen largely on this department. We are also proud that a record was set in 1962 on local road construction with more work done on this system than ever before and an increase of nearly 30% over the previous record.

At present there are 52 full time employees of whom 13 are graduate engineers. In addition to design and construction of county road projects this department furnishes other services such as issuing permits, of which there were 1,177 in 1962 on some \$5,400,000 worth of work, design approval and spot inspection on new plats and special assessment projects, maps and descriptions for right of way acquisition, surveys and plans for the Maintenance Department and considerable checking of construction on county roads along the new freeways. There were 39 new subdivision plats approved by the Board of County Road Commissioners in 1962 which created 19.22 miles of new subdivision streets estimated to cost \$1,520,252.55.

In the financial section of this report you will note that the total primary and local road construction in 1962 was \$3,383,320.18. This is an increase of 42% over the previous year and an increase of over 120% in the last five years.

### Maintenance

The year 1962 will be long remembered for the nearly constant fall of freezing rain, sleet and snow early in the year. New records in the use of salt for ice and snow control were set; for instance, over 18,000 tons in January, February and March. As a result our maintenance costs were also at record highs.

The Maintenance Department with 270 regular employees and some 200 pieces of self propelled equipment is by far the largest in our organization. The cost of maintenance on the 690 mile county primary system was \$1,914,679.08 for an average of \$2,775 per mile. The 1,674 mile local road system cost \$1,051,859.35 for maintenance for an average cost of \$628 per mile. These costs include work done as a result of contributions by individuals and townships.

The Road Commission continues to do most of the maintenance on state trunk lines for the State Highway Department for which we are reimbursed. The current contract runs from July 1, 1962, to June 30, 1963, and will total about \$750,000 for an average of about \$3,800 per mile.

The cities of Hazel Park, Oak Park, Ferndale, Berkley, Royal Oak and Madison Heights were paid \$39,021.28 to provide most of the maintenance on county roads within their limits as per annual maintenance contracts.

### Forestry & Traffic

The main function of this department is to trim and remove trees on the right of way plus other duties such as brush spraying, traffic signals, radio, traffic counts, intersection movement counts, and issuance of permits to utility companies and others for tree trimming. There are 39 full time employees. Over 3,100 trees were removed during the year and nearly 3,000 were trimmed. Of those removed, 1,297 were infected with Dutch Elm Disease. Average cost of removal dropped to \$45 per tree, however, the number of trees removed due to Dutch Elm Disease increased 75%.

The Electrical Section of this department maintains 282 traffic signals in the county (State-99, County-69, Cities-114) along with 52 illuminated warning signs. Since they must operate continuously for the most part, emergency repairs were made at night or on weekends on 188 occasions.

### Purchasing

Purchases for material, parts, supplies, office and shop equipment were \$1,054,681. In addition the net cost of new road equipment was \$266,635. All large purchases are made only after advertising publicly for bids. The following quantities of material were used during 1962:

Liquid Calcium Chloride (Dust Layer)	
Commercial Producers	1,981,802 gal.
Road Commission Owned Brine Well	1,337,785 gal.
Liquid Calcium Chloride (Ice Control, '61-'62 season)	11,980 gal.
Flake Calcium Chloride (Ice Control, Sacks, '61-'62 season)	52 tons
Flake Calcium Chloride (Ice Control, Bulk, '61-'62 season)	1,661 tons
Rock Salt (Ice Control, Bulk, '61-'62 season)	22,809 tons
 Bituminous Materials:	
AE-2 (Patching)	100 gal.
AE-3 (Resealing)	227,792 gal.
AC-85/100 (Crack Filling)	21,274 gal.
MC-O (Patching)	1,564 gal.
MC-5 (Resealing)	52,746 gal.
MC-Special Seal (Resealing)	102,993 gal.
 Pavement Marking Paint	
Yellow	5,370 gal.
White	6,210 gal.
Black	208 gal.
Beads	65,745 lbs.
 Culverts	
Corrugated Metal, round	9,373 feet
Corrugated Metal, formed bottom	1,596 feet
Concrete, plain	2,161 feet
Concrete, reinforced	1,322 feet
 Cement	867 sacks

APPOINTMENT OF SECRETARY-CLERK

The following appointment was made by the Board of County Road Commissioners, subject to the approval of the Board of Supervisors:-

WHEREAS, It is the opinion of this Board that the work of the Board is of sufficient volume to warrant and justify the appointment of a Secretary who shall be, and act, as Clerk of this Board, and whose salary shall be paid by this Board from County Road Funds under the provisions of Section Nine of Chapter IV (County Road Law) of the General Highway Law, as last amended by Act 50 of the Public Acts of 1951, (See Supplement and Section 224.9 as so amended, Compiled Laws of 1948).

NOW THEREFORE BE IT RESOLVED:

- 1.- That in the opinion of this Board its work is of sufficient volume to warrant and justify the appointment of a Secretary who shall be, and act, as Clerk of the Board.
- 2.- That Irwin P. Nichols be, and he is hereby appointed, as Secretary-Clerk of this Board, subject to the approval of the Board of Supervisors as in said Section Nine as amended, provided, such appointment to continue, subject to the discretion of this Board.
- 3.- That the salary of said Secretary-Clerk shall be paid from County Road Funds.
- 4.- That this resolution is adopted under the provisions of C.L. 1948, Section 224.9 as last amended as referred to in paragraph A hereof.

MOTION CARRIED.

STATE AND COUNTY  
ROAD MILEAGE  
in  
OAKLAND COUNTY  
on  
MARCH 1, 1963

STATE TRUNK LINE HIGHWAYS

<u>Surface Type</u>	<u>Miles</u>	<u>Total Miles</u>
Mixed Bituminous-Gravel Base	16.08	
Mixed Bituminous-Concrete Base	82.27	
Cement Concrete	86.65	
Ramps (All types)	<u>12.00</u>	197.00

PRIMARY COUNTY ROADS

Surface Treated Gravel	59.76	
Gravel Surface	168.14	
Mixed Bituminous-Gravel Base	187.02	
Mixed Bituminous-Concrete Base	215.11	
Cement Concrete	<u>60.52</u>	690.55

LOCAL COUNTY ROADS

Surface Treated Gravel	22.98	
Gravel Surface	1398.11	
Mixed Bituminous-Gravel Base	253.03	
Cement Concrete	<u>0.68</u>	<u>1,674.80</u>

TOTAL MILES 2,562.35

1962

CONSTRUCTION ON FEDERAL AID SECONDARY ROADS

These projects were built using 50% Federal Aid Funds and 50% County Road Commission Primary Road Construction Funds and Bond Funds.

<u>Proj.No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
FA-384	Andersonville	6.3	White Lake Road to Davisburg	2"x22' bit.agg.surf., base buildup	Cooke Contracting Company	116,301.31
FA-389	Eight Mile	1.8	Northville to Haggerty	Reconstruct to 24' conc.	Taylor Brothers	100,603.22 (Oakland share)
FA-450	Elizabeth Lake	1.5	M-59 to Cooley Lake Road	Widen to 48' with conc.	Anderson & Ruzzin	321,161.87
FA-453	Lake George - Stoney Creek	2.5	M-150 to existing pavement	2"x22' bit.agg.surf., base buildup	A. & A. Asphalt Paving Company	58,770.19
FA-457	Middle Belt	1.75	I-696 to Northwestern	Reconstruct to 24' conc.	Oak Construction	313,869.65

1962  
PRIMARY ROAD CONSTRUCTION

The following major projects were substantially completed during 1962 from County Road Commission Primary Road Construction Funds and Bond Funds:-

<u>Proj.No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
PR-440 & PR-440(B)	Avon	1.0	John R to Dequindre	Grade, drain & agg.base & bridge	Atkinson Plozai	107,053.78
PR-441	Baldwin	1.3	Pontiac City Limits to I-75	Reconstruct to 24' conc.	T.E. Currie	261,295.97
PR-442	Big Beaver	2.2	Adams to I-75	Reconstruct to 24' conc.	Taylor Brothers	421,514.75
PR-443	Bogie Lake - Cooley Lake Road	1.8	Commerce Road to 0.8 mi. east of Bogie Lake	2" x22' bit.agg. surf. Road	Detroit Concrete Products	42,252.92
PR-445	Clintonville	1.1	Mann Road to I-75	Grade, drain & agg.base relocate at Lake Oakland	Stockton Exc.	75,423.25
PR-446	Dequindre	1.2	Hamlin to Avon	2" x22' bit.agg. surf.	Macomb County	14,956.50*
PR-447	Dequindre	0.84	Avon to Parkdale (east)	Grade, drain & agg.base	Atkinson	20,457.05*
PR-449	Eight Mile	3.0	Napier to Taft	Widen to 22' & 2 3/4" bit.conc. surf.	Detroit Concrete Products	33,214.24*
PR-390	Farmington Curves	0.3	North of 10 Mile Road	Relocate, 2" x22' bit.agg. surf.	Groleau Brothers	39,784.15
PR-451	Farmington	1.0	12 Mile to 13 Mile	2" x22' bit.agg. surf.	Oakland Paving	23,861.20
PR-392	14 Mile	0.3	Haggerty Intersection	Relocate, drain & agg.base	Groleau Brothers	25,378.32
PR-452	Haggerty	1.0	14 Mile to Maple	Grade, drain & agg.base	Groleau Brothers	36,632.52
PR-393 & PR-393(B)	Hatchery	0.6	US-10 west to existing bit. surf.	Relocate, agg.base & bridge	C.W.Anderson Plozai	89,189.46

\* Adjacent County to Pay an Equal Amount



Primary Road Construction continued

<u>Proj.No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
PR-455	Long Lake (east)	1.9	M-150 to Dequindre	2"x22' bit.agg.surf.	Peake Asphalt	43,617.26
PR-458	Richardson	1.06	Haggerty to Green Lake Road	2"x22' bit.agg.surf.	Oakland Paving	18,156.55
PR-459	Scott Lake	2.47	Elizabeth Lake Road to US-10	Reconstruct to 24' conc.	Lynn Exc.	395,827.34
SP-460	Seymour Lake Road	-	West of Dartmouth	Replace or widen bridge	County Forces	13,703.28
CW-461	Ten Mile	0.2	Both sides of Coolidge	Widen to 5 lanes with conc.	Taylor Brothers	53,457.69**
PR-482	Pontiac Lake	--	Telegraph Road Intersection	One way loop to eliminate left turn, conc.	C.J.Rogers	22,900.00 (County share)

\*\* Approximate, Cities to Pay 25% of Total Cost

1962  
LOCAL ROAD CONSTRUCTION

The following projects were substantially completed during 1962 with the Road Commission paying 50% of the cost and the townships generally paid the other 50%.

<u>Proj.No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
TM-411	Lone Pine	0.91	Telegraph to Lahser	Reconstruct to 2" bit.agg. surf.; 29' b.tob. of conc.curb & gutter	Garavaglia	116,469.43
TM-427	Livernois	0.80	Walton south for 0.8 mi.	Grade, drain, agg.base	C.W.Cousineau	26,845.92
TM-434	Shiawassee	1.1	Middle Belt to Inkster	Grade, drain, agg.base	Groleau Brothers	44,885.10
TM-436	Carroll Lake	1.5	Commerce Road to Cooley Lake Road	Grade, drain, agg.base	C.W.Anderson	92,431.58
TM-437	Wise Road	1.0	Commerce Road east to end of bit. surf.	Grade, drain, agg.base	Dan Hadrill	29,021.61
TM-439	Midland	0.75	Sashabaw west to end of bit. surf.	Grade, drain, agg.base	C.W.Anderson	31,093.72
TM-463	Honeywell Lake	0.90	Hickory Ridge to Garner	Widen roadway to 24'	County Forces	6,560.65
TM-464	Shiawassee	1.1	Middle Belt to Inkster	2"x20' bit.agg. surf.	Detroit Concrete Products	17,155.36
TM-465	Quarton	0.74	Telegraph Road east for 3900'	2"x20' bit.agg. surf.	Peake Asphalt	10,730.82
TM-466	Oxbow Lake	0.6	Elizabeth Lake Road to Cedar Knolls Farm	Grade, drain, agg.base	Nagy Brothers	34,669.39
T-467	Davista	0.6	Highland Avenue to Duck Lake Road	2"x20' bit.agg. surf.	Oakland Paving	8,977.20**
TM-468	School	0.4	0.1 mi. west of Dequindre west for 0.4 mile	Grade, drain, salt stabilize surface	Dan Hadrill	18,973.87* 10

Local Road Construction continued

<u>Proj.No.</u>	<u>Road Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Contractor</u>	<u>Total Cost</u> \$
TM-470	Benstein-Maple	2.86	Walled Lake City Limits to Sparland Street	2" x20' bit.agg. surf.	Oakland Paving	37,702.83
TM-471	Livernois	0.40	Walton south for 0.4 mi.	2" x20' bit.agg. surf.	A. & A. Asphalt	3,303.89
TM-472	Avon	1.0	M-150 to R.R. crossing	2" x20' bit.agg. surf.	A. & A. Asphalt	12,323.70
TM-474	Granger	0.72	M-15 to Kent Road	2" x20' bit.agg. surf.	Ann Arbor Const.	9,880.68
TM-476	Walnut Lake Road	0.8	Farmington Road to Orchard Lake Road	Grade, drain, agg. base	Ben Fyke & Sons	36,117.05

\* Road Commission 50%, Southeastern Oakland County Incinerator Authority 50%

\*\*Township Paid 100%

1963

PROPOSED CONSTRUCTION, FEDERAL AID SECONDARY ROADS

These projects will be built using 50% Federal Aid Funds and 50% County Road Commission Primary Road Construction Funds and Bond Funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
FA-448	Eight Mile	3.0	Haggerty to Farmington	Reconstruct to 24' conc.	\$ 155,000.00 (Oakland share)
FA-485	Baldwin	3.14	Seymour Lake Road to Oakwood	Grade, drain, agg.base	160,000.00
FA-494	Haggerty	1.3	Maple to M-218	Grade and 24' concrete	200,000.00
FA-496	Halstead	2.01	Grand River to 12 Mile	Grade, drain, agg.base	100,000.00
FA-499	Milford	3.44	10 Mile to Grand River	Grade, drain, agg.base	150,000.00

1963

PROPOSED CONSTRUCTION, PRIMARY ROADS

These projects are part of the three year construction program for which the \$6,000,000 bond issue was sold and will be paid for with Bond Funds and also regular Gas-Weight Tax Funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
PR-444	Bogie Lake	3.1	Cooley Lake Road (E)	Grade & relocate as needed, add base as needed	\$ 85,000.00
CW-454	Livernois	1.0	14 Mile to Maple	Widen to 4 lanes with conc.	120,000.00*
CW-456	Maple (east)	1.0	Adams to Coolidge	Widen to 4 lanes with conc.	80,000.00*
CW-438	Southfield	2.59	1/2 mi.N.of Northwestern to 12 Mile Road	Reconstruct to 60' with conc.	736,000.00*
PR-462	Union Lake	1.4	Commerce to Cooley Lake Road (east)	Reconstruct to 24' conc.	294,000.00
PR-473	Walton-Sashabaw	-	Intersection	Widen to 4 lanes, conc.	60,000.00
PRB-483	Adams	1.00	Crooks to Walton	Grade, granular base & 24' conc.	150,000.00
PRB-484	Avon	1.00	Dequindre to John R	2"x22' Bit.Agg.Surf.	20,000.00
PRB-486	Big Beaver	1.50	I-75 to M-150	Grade, granular base & 24' conc.	250,000.00
PRB-487	Bogie Lake	3.67	Cooley Lake (east) to M-59	2"x22' Bit.Agg.Surf.	85,000.00
PRB-488	Clintonville	1.10	Mann Road to I-75	2"x22' Bit.Agg.Surf.	22,000.00
PRB-489	Cooley Lake	4.27	Elizabeth Lake to Union Lake	Grade, granular base & 24' conc.	650,000.00
CWB-490	Crooks	1.00	14 Mile to Maple	Widen to 48' conc.	120,000.00*

\* Adjacent Cities to Pay 25% of Total Cost

Proposed Construction, Primary Roads continued

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
PRB-491	Dequindre	0.84	Avon to Parkdale	2"x22' Bit.Agg.Surf.	\$ 20,000.00**
CWB-478	Eleven Mile	1.50	Dequindre to I-75	Widen to 48' concrete	240,000.00*
PRB-492	Farmington	1.00	13 Mile to 14 Mile	Grade for 2"x22' Bit.Agg.Surf. in 1964	50,000.00
CWB-493	14 Mile and Cranbrook	1.50	Southfield to Lincoln	Grade & 24' concrete pavement	420,000.00*
PRB-495	Haggerty	1.30	14 Mile to Maple	2"x22' Bit.Agg.Surf.(14 Mile relocation)	30,000.00
PRB-497	Hatchery	0.60	US-10 west for 0.6 of a mile	2"x22' Bit.Agg.Surf.	15,000.00
PRB-498	Maybee	2.00	Sashabaw to US-10	Grade for 2"x22' Bit.Agg.Surf. in 1964	100,000.00
CWB-479	Southfield	1.00	12 Mile to 13 Mile	Widen to 60' with concrete	220,000.00*
CWB-480	Southfield	1.00	13 Mile to 14 Mile	Widen to 60' with concrete	220,000.00*
PRB-500	Voorheis	0.30	James K to M-59	Reconstruct to 24' concrete	50,000.00
PR-501	Orchard Lake Road	-	Grand River Intersection	Reconstruct to 3 lanes, concrete	25,000.00

\* Adjacent Cities to Pay 25% of Total Cost  
 \*\* Macomb County to Pay 50%

1963

PROPOSED CONSTRUCTION, LOCAL ROADS

These local road construction projects are in the process of being set up as matching projects or have already been approved. Each township will pay 50% of the total final cost and the Road Commission will pay the other 50% from road funds budgeted for matching purposes. Several more projects will be added by May 15, 1963, as other townships submit projects and their share of the funds.

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u> \$
TM-469	Shiawassee	0.55	9 Mile to Farmington City Lts.	G.D.&2" x20' Bit.Agg.Surf.	28,100.00
TM-475	Heights	0.39	Brittan Drive east to M-24	2" x20' Bit.Agg.Surf.	23,800.00
TM-477	Drahner	0.78	Pontiac Street to M-24	G.D.S. & Double Seal	20,750.00
TM-503	9 Mile	0.5	Farmington to Gill Road	G.D. & 8" x20' concrete	57,300.00
TM-504	Oxbow Lake	0.71	Elizabeth Lake south 0.71 mile	2" x20' Bit.Agg.Surf.	11,100.00
TM-505	Walnut Lake	0.8	Orchard Lake to Farmington	2" x20' Bit.Agg.Surf.	15,600.00
TM-506	Carroll Lake	1.52	Commerce to Cooley Lake	2" x20' Bit.Agg.Surf.	30,000.00
TM-507	Wise	0.80	Commerce to existing bit.surf.	2" x20' Bit.Agg.Surf.	16,000.00
TM-508	Sands	0.65	Oakwood to State Park Road	G.D.&S. (Surf. in 1964)	18,500.00
TM-514	Willow	0.3	Union Lake Road to east twp. line	G.D.&S. (Surf. in 1964)	11,700.00
TM-515	Willow	0.45	Kieth to west twp.line	G.D.&S. (Surf. in 1964)	21,000.00
TM-516	Square Lake	0.37	Middlebelt to twp.line	G.D. &S. (Surf.in 1964)	12,800.00
TM-517	Welch	2.15	Maple to Oakley Park Road	G.D. &Agg.Surface	79,400.00

Proposed Construction, Local Roads continued

<u>Proj.No.</u>	<u>Road to be Improved</u>	<u>Length</u>	<u>Termini</u>	<u>Type of Construction</u>	<u>Estimated Total Cost</u>
TM-518	Maybee	0.54	Baldwin to Grafton Street	2" x 20' Bit. Agg. Surf.	\$ 10,100.00
TM-519	Fairview	0.60	Indianwood to Village Limits	Recondition base & 2" Bit. Agg. Surf.	10,000.00
TM-520	Livernois	0.45	Avon Road north to Harding	G.D. & S. (Surf. in 1964)	-----
TM-521	Waldron	---	From end of Bit. Surf., east	G.D. & S. (Surf. in 1964)	20,000.00
T-522	Martindale	---	10 Mile to 11 Mile	Ditch and gravel where needed (Roads to be done in order shown only to the extent of funds.)	13,600.00*
	Johns	---	10 Mile to 11 Mile		
	9 Mile	---	Pontiac Trail to Griswold		
	12 Mile	---	Haas to Johns Road		
T-523	Sandyside	0.15	Southeastern to Union Lake	G.D. & 2" x 20' Bit. Agg. Surf.	7,400.00*

\* Township to Pay 100% of Cost.



BALANCE SHEET  
December 31, 1962

ASSETS:General Operating Fund

County Treasurer's Cash Accounts		
County Road Fund		180,556.20
Primary Road Bond Construction Fund		<u>4,584,035.33</u>
		4,764,591.53
Imprest Cash - Office		150.00
Payroll - Bank Account		2,500.00
Accounts Receivable:		
State Trunkline Maintenance		166,089.65
State Highway Department - Other		47,799.86
Due on County Road Agreement		29,149.13
Sundry Account Receivable		56,414.91
Inventories:		
Equipment Materials and Parts		96,063.07
Road Materials		158,359.67
Prepaid Insurance		53,757.80
Deferred Expense F.A.S.		<u>90,276.52</u>
 Total General Operating Fund		 5,465,152.14

Fixed Asset Fund

Land and Improvements		304,813.27
Buildings	1,007,190.05	
Less Reserve for Depreciation	<u>123,373.26</u>	883,816.79
Equipment Road	2,486,352.21	
Less Reserve for Depreciation	<u>1,304,678.02</u>	1,181,674.19
Equipment Shop	73,903.02	
Less Reserve for Depreciation	<u>38,696.23</u>	35,206.79
Equipment Office	82,373.66	
Less Reserve for Depreciation	<u>46,952.98</u>	35,420.68
Equipment Engineers	6,504.17	
Less Reserve for Depreciation	<u>2,492.13</u>	4,012.04
Depletable Assets	78,344.64	
Less Reserve for Depreciation	<u>69,914.36</u>	<u>8,430.28</u>
 Total Fixed Assets		 2,453,374.04

Long Term Fund

Amount to be Provided for the Retirement of Bonds		<u>7,418,750.00</u>
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## TOTAL ASSETS

15,337,276.18

## BALANCE SHEET - Continued

LIABILITIES AND FUND EQUITIES:General Operating Fund

## Liabilities

Accounts Payable		232,287.13	
Accrued Liability		6,399.77	
Advances - Townships and Others		108,767.26	
Other - Deposits by Subdividers and Contractors		352,942.26	
Other - Work Orders in Progress		6,388.81	

## Available Operating Funds

Highway Construction Funds (Bond)	4,584,035.33		
County Road Commission Funds	<u>174,331.58</u>		
Total Operating Fund Equities		<u>4,758,366.91</u>	
Total Operating Liabilities and Equities			5,465,152.14

Fixed Asset Fund

Plant and Equipment Equity			2,453,374.04
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Long Term Debt Fund

Farmington - Brighton Expressway Bonds		136,250.00	
Northwestern Expressway Bonds		1,282,500.00	
County Highway Bonds		<u>6,000,000.00</u>	
			<u>7,418,750.00</u>

TOTAL LIABILITIES AND FUND EQUITIES

15,337,276.18

## SUMMARY OF RECEIPTS AND EXPENDITURES

Year 1962

COUNTY HIGHWAY RECEIPTSRevenue Receipts

State Funds - Motor Vehicle Highway Funds	4,475,916.72
Federal Aid Secondary Funds	332,905.34
County Raised Revenues	497,608.11
Miscellaneous Receipts	<u>68,509.77</u>
Total Revenue Receipts	5,374,939.94

Other Receipt Items

Borrowings	6,000,599.40
Sale of Land and Buildings	<u>11,885.15</u>
	6,012,484.55

TOTAL HIGHWAY RECEIPTS

11,387,424.49COUNTY HIGHWAY EXPENDITURES

Construction	3,383,320.18
Maintenance	2,966,538.43
Equipment Account	-124,031.43
Interest	154,791.49
Administration	<u>317,223.63</u>

Total Operating Expenditures

6,697,842.30

NON-OPERATING EXPENDITURES

Capital Outlay	83,671.19
Long Term Debt Payments	<u>105,000.00</u>

Total Non-Operating Expenditures

188,671.19

TOTAL HIGHWAY EXPENDITURES

6,886,513.49

Increase in Available Operating Funds

4,500,911.00NET TOTAL11,387,424.49

## COUNTY HIGHWAY RECEIPTS

Year 1962

REVENUE RECEIPTS

## State Funds - Motor Vehicle Highway Funds

## Engineering Services

Primary Road Fund	4,050.00	
Local	<u>950.00</u>	
Total Engineering Services		5,000.00

## County Primary Road Fund

Amount of Allocation	3,620,816.95	
Optional Transfer	<u>-334,604.79</u>	
Net for Primary Roads		3,286,212.16

## County Local Road Fund

Amount of Allocation	850,099.77	
Optional Transfer	<u>334,604.79</u>	
Net for Local Roads		<u>1,184,704.56</u>

Total Motor Vehicle Highway Funds		4,475,916.72
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## Federal Funds

Federal Aid Secondary		332,905.34
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## County Raised Revenues

Property Taxes	259.51	
Appropriations by Board of Supervisors	16,457.74	
Township Contributions (Schedule A)	365,933.30	
Other Contributions	<u>114,957.56</u>	
Total County Raised Revenues		497,608.11

## Miscellaneous Receipts

Salvage Sales	3,000.76	
Interest Earned	51,283.74	
Property Rentals	700.00	
Sundry Refunds	1,817.04	
Sale of Maps	675.79	
Permit Fees	<u>11,032.44</u>	
Total Miscellaneous Receipts		<u>68,509.77</u>

TOTAL REVENUE RECEIPTS		5,374,939.94
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NON-REVENUE ITEMS

Proceeds from Bond Sale - Primary Road Fund	6,000,599.40	
Sale of Land and Buildings	<u>11,885.15</u>	
		<u>6,012,484.55</u>

TOTAL OF HIGHWAY RECEIPTS		<u>11,387,424.49</u>
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## COUNTY HIGHWAY EXPENDITURES

Year 1962

	<u>Primary Road System</u>	<u>Local Road System</u>	
<u>OPERATING EXPENDITURES</u>			
Construction (All Costs Except Administration)			
Roads - County Road Fund	865,059.85	600,028.85	
Right - of - Way - County Road Fund	363,636.80	4,201.11	
Bridges - County Road Fund	13,703.28	18,599.05	
Roads - Bond Fund	<u>1,518,091.24</u>		
Total Construction Expenditures	2,760,491.17	622,829.01	3,383,320.18
Maintenance (All Cost Except Administration)			
General Maintenance Roads	1,352,598.82	807,168.62	
General Maintenance Structures	7,578.41	1,370.32	
Snow and Ice Control	394,951.55	227,005.51	
Traffic Control	120,529.02	16,314.90	
Maintenance Agreements	<u>39,021.28</u>		
Total Construction	1,914,679.08	1,051,859.35	2,966,538.43
Equipment Account - Expense			
Direct	603,723.96		
Indirect and Storage	251,092.87		
Operating	<u>107,194.61</u>		
Total Equipment Expense		962,011.44	
Credits to Equipment Account			
Equipment Rental		<u>1,086,042.87</u>	
Net Credit to Equipment Account			-124,031.43
Interest Expenses			
County Highway Bonds	154,791.49		154,791.49

## COUNTY HIGHWAY EXPENDITURES

Year 1962

## OPERATING EXPENDITURES - Continued

Administrative Expense		382,310.13
Credits to Administrative Accounts		
Handling Charges on Materials Sold	10,860.09	
Overhead - State Trunkline Maint.	38,436.87	
Purchase Discounts	6,834.80	
Plat Fees	<u>8,954.74</u>	
Total Credits to Administration		<u>65,086.50</u>
Net Administrative Expense		317,223.63
Administration Propriation		
Primary System	233,165.63	
Local System	<u>84,058.00</u>	
TOTAL OPERATING EXPENDITURES		<u>6,697,842.30</u>

## NON-EXPENSE DEBITS

Capital Outlay		
Land and Improvements	12,444.25	
Buildings	5,195.60	
Equipment	<u>377,456.81</u>	
Depletable Assets		395,096.66
Less: Non-Revenue Credits		
Equipment Retirements	33,647.06	
Depreciation and Depletion	<u>277,778.41</u>	
Total Non-Revenue Credits		<u>311,425.47</u>
NET CAPITAL OUTLAY EXPENDITURES		83,671.19
Long Term Debt Payments - Expressway Bonds		
Farmington - Brighton Expressway	15,000.00	
Northwestern Expressway	<u>90,000.00</u>	
Total Long Term Debt Payment		<u>105,000.00</u>
TOTAL NON-EXPENSE DEBITS		<u>188,671.19</u>
TOTAL EXPENDITURES		6,886,513.49
Increase in Available Operating Funds		<u>4,500,911.00</u>
TOTAL EXPENDITURES AND FUND EQUITY ADJUSTMENT		<u><u>11,387,424.49</u></u>

## STATEMENT OF LOCAL ROAD &amp; BRIDGE CONSTRUCTION

Year 1962

<u>Project</u>	<u>Road</u>	<u>Amount</u>	<u>Motor Vehicle Funds</u>	<u>Townships and Other Contributions</u>	
TM-410	Quarton	11,313.94	5,209.82	6,104.12	Bloomfield
TM-411	Lone Pine	104,451.73	52,879.53	51,572.20	Bloomfield
TM-413	Watkins Lake	32,153.92	15,185.85	16,968.07	Waterford
TM-425	Benstein & Maple	16,369.98	7,581.53	8,788.45	Commerce
TM-426	Granger	2,210.16	1,037.16	1,173.00	Brandon
TM-427	Livernois	23,445.36	11,997.54	11,447.82	Avon
TM-428	Avon	16,318.56	7,951.94	8,366.62	Avon
TM-433	Maybee	2,635.63	1,246.71	1,388.92	Orion
TM-434	Shiawassee	43,266.28	22,384.34	20,881.94	Farmington
TM-436	Carroll Lake	80,334.05	42,108.93	38,225.12	Commerce
TM-437	Wise	28,475.57	14,689.65	13,785.92	Commerce
TM-439	Midland	31,072.05	16,003.83	15,068.22	Waterford
TM-463	Honeywell	5,929.06	3,255.20	2,673.86	Highland
TM-464	Shiawassee	17,155.36	8,197.31	8,958.05	Farmington
TM-465	Quarton	10,730.82	5,125.62	5,605.20	Bloomfield
TM-466	Oxbow Lake	27,669.39	15,290.32	12,379.07	White Lake
T -467	Davista	8,977.20	-210.00	9,187.20	Highland
TM-468	School	17,973.87	9,973.87	8,000.00	Southeastern Authority
TM-469	Shiawassee	2,385.24	1,192.62	1,192.62	Farmington
TM-470	Maple - Benstein	37,702.83	17,667.18	20,035.65	Commerce
TM-471	Livernois	3,303.89	1,679.39	1,624.50	Avon
TM-472	Avon	12,323.70	5,742.04	6,581.66	Avon
TM-474	Granger	9,880.68	4,677.59	5,203.09	Brandon
TM-475	Heights	9,314.21	5,243.59	4,070.62	Orion
TM-476	Walnut Lake	34,117.05	17,590.27	16,526.78	W. Bloomfield
TM-477	Drahner	14,719.43	8,328.70	6,390.73	Oxford
Total Local Road Construction		604,229.96	302,030.53	302,199.43	
Local Road Structures Construction					
SL-423	Silverbell	18,106.09	1,648.35	16,457.74	*County Appropriation
SL-502	Avon - Livernois	492.96	492.96		
Total Local Road Structures Construction		18,599.05	2,141.31	16,457.74	
TOTAL LOCAL ROAD AND BRIDGE CONSTRUCTION		622,829.01	304,171.84	318,657.17	

\* County Appropriation - Balance of the 1961 Appropriation.

## BUDGET FOR 1963

## ESTIMATED REVENUE

<u>Motor Vehicle Highway Funds</u>			
Engineering		\$ 5,000.00	
Primary Roads		3,750,000.00	
Local Roads		<u>850,000.00</u>	
	Total		\$4,605,000.00
<u>All Other Revenue</u>			\$2,051,500.00
Total of All Revenue			<u>\$6,656,500.00</u>

ESTIMATED EXPENDITURES

<u>Construction, Right of Way, Bond Payments</u>	\$1,500,500.00
<u>Materials, Supplies and Parts</u>	990,000.00
<u>Payroll, hourly</u>	1,900,000.00
<u>Distributive Expense, Pension, Fleet Insurance</u>	572,000.00
<u>Administrative Expense</u>	650,000.00
<u>Capital Outlay</u>	336,000.00
<u>Escrow Funds &amp; Miscellaneous</u>	505,000.00
<u>Restore Cash Balance</u>	<u>203,000.00</u>
Total of All Expenditures and Balance	\$6,656,500.00



47th  
ANNUAL REPORT  
of the  
BOARD OF COUNTY ROAD COMMISSIONERS  
to the  
BOARD OF SUPERVISORS OF OAKLAND COUNTY  
MICHIGAN, FOR THE YEAR  
1959

\*\*\*\*\*

- Robert O. Felt, Chairman
- Hiland M. Thatcher, Vice-Chairman
- Sol D. Lomerson, Commissioner
- Paul Van Roekel, County Highway Engineer

\*\*\*\*\*

2420 Pontiac Lake Road, Pontiac, Michigan

*Property of*  
OAKLAND COUNTY  
PLANNING COMMISSION  
1 Lafayette Street  
PONTIAC, MICHIGAN

April 1, 1960

The Honorable Board of Supervisors  
of the County of Oakland  
Pontiac, Michigan

Gentlemen:

We are pleased to submit to your honorable body and to the people of Oakland County, our annual report for the fiscal year ending December 31, 1959.

Combined in this report is a summary of our activities relating to the construction and maintenance of roads and bridges, of funds received and disbursed, and other information which will be of interest to you.

Respectfully submitted,

BOARD OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN

*Robert O. Felt*

Robert O. Felt, Chairman

*Hiland M. Thatcher*

Hiland M. Thatcher, Vice Chairman

*Sol D. Lomerson*

Sol D. Lomerson, Commissioner

COUNTY ROAD MAINTENANCE

County roads are divided into two classifications, namely, Primary and Local. The Primary Roads are the main county roads as approved by the Michigan State Highway Department. The balance of the public roads and subdivision streets outside of municipal incorporations are Local Roads. Funds for the maintenance of these roads are provided from Motor Vehicle revenues under Act 51 of the P. A. of 1951, as amended and supplemented by Acts 153 and 262 of 1957.

Local roads have been maintained within the funds available supplemented by contributions from the townships and individuals. The maintenance of county local roads during 1959 cost \$1,001,608.42, including labor, material, equipment rental, and indirect expenses for an average of approximately \$614.00 per mile. These figures include sale of culvert pipe, calcium chloride brine as a dust layer and contributions by townships and individuals.

The Cities of Hazel Park, Oak Park, Ferndale, Berkley, and Madison Heights have maintained some primary roads within their respective city limits, under an agreement with this Commission.

Maintenance cost of county primary roads during 1959 was \$1,477,766.97 including labor, material, equipment rental, overhead, and indirect expenses, for an average of approximately \$2,205.00 per mile.

Most of the maintenance work on State Trunk Line Highways is done by this Commission under a contract with the Michigan State Highway Department for the fiscal year July 1, 1959, to June 30, 1960. This contract amounts to \$501,900.00 for an average of \$2,689.00 per mile. In addition, we do other work on State Trunk Lines by special authorization such as erect new signs and signals, signing and seeding of construction projects, and other work which is not covered by the regular contract. This usually amounts to about \$60,000.00 per year.

#### HIGHWAY NEED STUDY

In last years report we explained the nature and magnitude of the 1959 Need Study which we worked on during most of 1959. It was assumed that the State Highway Department would have completed the tabulation of information so that it could be put in this report. Such is not the case, so it will appear in next years report.

We do know that approximately 105 million dollars would be required in the next 18 years to bring our county primary system up to date by 1978. Since present funds provide only 1.5 million dollars of construction per year, it is obvious that more funds must be made available. Also, that the county primary system may not be adequate to handle the increase in population and traffic which we know we will have.

A similar problem exists on the county local and subdivision streets where approximately 68 million dollars is needed to bring the system up to date by 1978. Current funds and contributions amount to

only \$300,000.00 per year.

### ANNUAL REPORT ON DUTCH ELM DISEASE

During the year of 1959, we removed a total of 679 elm trees which were either infected with the above mentioned disease or were condemned as being breeding places for the beetles, which are the carriers of the above mentioned disease. This is an increase of 130 trees, or 23.7% over the number of trees removed in 1958. Even though this was a sizeable increase, it is less of an increase than was experienced in 1958, when removal was 112% greater than in 1957.

Accurate cost figures were kept in 1959 for the first time and the average cost of removal and disposal (burning) was \$67.06 per tree.

Following is a list showing what roads and townships were affected by the Dutch Elm Disease:

Roads	Location	Number of Trees	Approximate Cost of Removal
Primary	County Wide	154	\$ 10,327.24
Local	Addison	66	4,425.96
Local	Avon	43	2,883.58
Local	Bloomfield	55	3,688.30
Local	Brandon	34	2,280.04
Local	Commerce	1	67.06
Local	Farmington	14	938.84
Local	Highland	3	201.18
Local	Independence	42	2,816.52
Local	Lyon	1	67.06
Local	Milford	3	201.18
Local	Oakland	29	1,944.74

<u>Road</u>	<u>Location</u>	<u>Number of Trees</u>	<u>Approximate Cost of Removal</u>
Local	Orion	89	\$ 5,968.34
Local	Oxford	45	3,017.70
Local	Pontiac	24	1,609.44
Local	Waterford	30	2,011.80
Local	West Bloomfield	25	1,676.50
Local	White Lake	13	<u>871.78</u>
Total cost			\$ 44,997.26

WEIGHT AND PERMIT DEPARTMENT

The following is the composite report of the Weight and Permit Department concerning trucking activities on County Roads for the year 1959:-

Vehicles stopped and examined	530
Warning violations issued	110
Total amount of various violations	221

Speed	30
Weight	112
Posted Roads	58
Safety	4
No Permits	11
Miscellaneous	<u>6</u>
Total	221

Total amount in fines	\$7,958.10
Total amount in court costs	<u>450.00</u>
Grand Total	\$8,408.10

The number of overweight and special permits issued as of December 31, 1959, were as follows:

January	140	July	624
February	292	August	486
March	198	September	492
April	256	October	458
May	582	November	416
June	655	December	351

Total	4,950
Permits for moving buildings	52

### PERMITS ISSUED BY ENGINEERING DEPARTMENT

One of the services required of the Commission's Engineering Department is checking the size and location of driveway culvert requests and issuing permits for their installation. In 1959, these requests totaled 229.

Any excavation or construction within the right of way of a road also required checking and issuing of proper permits. There were 716 such permits processed and issued in 1959. Similar permits for work on State Trunk Lines are usually processed through this Commission and 152 such permits were handled during 1959.

### PERMITS ISSUED BY FORESTRY DEPARTMENT

Most permits for work done in the right of way by utility companies are processed by our Forestry Department, since they usually involve removal or trimming of trees. In 1959, 471 such permits were issued and 151 permits were issued to individuals for tree trimming and tree removal.



MATERIAL REPORT

The following listed material was used during 1959.

Liquid Calcium Chloride (Dust Layer).....	2,194,082 gal.
Liquid Calcium Chloride (Ice Control).....	465,374 gal.
Flake Calcium Chloride (100 lb. Sacks)-(Ice Control).	2,481 sacks
Flake Calcium Chloride (Bulk)-(Ice Control) .....	723 tons
Bulk Rock Salt (Ice Control) .....	17,933 tons
<b>Bituminous Materials:</b>	
AE-1M (Hand Patching).....	175,188 gal.
AE-3A (Resealing) .....	284,757 gal.
AC-85/100 (Patching)-(SOA) .....	<u>40,654 gal.</u>
<b>Total</b>	<b>500,599 gals.</b>
<b>Tar:</b>	
T-12 .....	20,611 gal.
<b>Cement</b>	
Amount used.....	613 sacks
<b>Pavement Marking Paint</b>	
White Paint .....	2,787 gal.
Yellow Paint.....	3,536 gal.

**CORRUGATED METAL PIPE  
(ROUND)**

8" x 6' .....	6 ft.
8" x 12' .....	48 ft.
8" x 18' .....	36 ft.
10" x 6' .....	36 ft.
10" x 12' .....	96 ft.
10" x 18' .....	90 ft.
12" x 6' .....	570 ft.
12" x 12' .....	1,116 ft.
12" x 18' .....	6,030 ft.
15" x 6' .....	114 ft.
15" x 12' .....	168 ft.
15" x 18' .....	774 ft.
18" x 6' .....	144 ft.
18" x 12' .....	468 ft.
18" x 18' .....	1,404 ft.
24" x 6' .....	66 ft.
24" x 12' .....	144 ft.
24" x 18' .....	504 ft.
30" x 6' .....	6 ft.
30" x 18' .....	108 ft.
36" x 6' .....	6 ft.
48" x 18' .....	36 ft.

**CORRUGATED METAL PIPE  
(FORMED BOTTOM)**

18" x 6' (22" x 13").....	6 ft.
18" x 12' (22" x 13").....	72 ft.
18" x 18' (22" x 13").....	306 ft.
24" x 6' (29" x 18").....	18 ft.
24" x 12' (29" x 18").....	120 ft.
24" x 18' (29" x 18").....	504 ft.
30" x 12' (36" x 22").....	48 ft.
30" x 18' (36" x 22").....	180 ft.
36" x 6' (43" x 27").....	6 ft.
36" x 12' (43" x 27").....	36 ft.
36" x 18' (43" x 27").....	144 ft.
42" x 6' (50" x 31").....	6 ft.
42" x 12' (50" x 31").....	24 ft.
42" x 18' (50" x 31").....	36 ft.
48" x 12' (58" x 36").....	60 ft.
48" x 18' (58" x 36").....	126 ft.

**PLAIN CONCRETE PIPE**

10" x 3' .....	9 ft.
12" x 3' .....	831 ft.
15" x 3' .....	48 ft.
15" x 4' .....	68 ft.
18" x 4' .....	188 ft.

**REINFORCED CONCRETE PIPE**

12" x 3' .....	264 ft.
12" x 4' .....	40 ft.
15" x 4' .....	44 ft.
18" x 4' .....	36 ft.

### NEW CENSUS

Thirty-five percent of the gas-weight tax funds for "local" county roads are distributed on the basis of rural population both at the state and county level. Changes as a result of the new census will be made retroactive to April 1, 1960. Due to the fact that several townships have incorporated since 1950 and will no longer count as rural population, we do not anticipate a very large increase in local road funds for Oakland County. However, the distribution within the county will shift and areas with large percentage gains in population will benefit. Likewise, some areas may suffer slightly. A more equitable distribution of maintenance funds will result.

### NEW PLATS

A total of forty-six new subdivision plats were approved by the Board of County Road Commissioners during 1959. Thirty of these involved the construction of 16.8 miles of new subdivision streets at a cost of approximately \$500,000.00. Guaranties for construction of these streets are held by the Road Commission until the developer completes construction, at which time, the Road Commission accepts the roads for maintenance.

### STATE TRUNK LINE CONSTRUCTION

#### "LIMITED ACCESS EXPRESSWAYS"

Chrysler - Contracts from Walton Boulevard to the north county line are scheduled to be let late this fall, but it might be delayed until

early next year. Preparation of plans is nearly complete and right of way appraisals are under way. It will be split into four sections with the prime contractor having a contract for all work in a particular section.

Contracts from 11 1/2 Mile Road to Walton Boulevard are supposed to be let in the second or third quarter of 1961. Preparation of preliminary plans is under way.

Northwestern - Cornell Road (8 1/2 Mile Road) to M-24 (Telegraph Road) section is scheduled to be put under contract early in 1961 instead of 1960, due to problems encountered in section below 8 Mile Road.

East-West Expressway - This road runs between Grand River Expressway and Northwestern-Telegraph. Letting of contracts is now scheduled for spring of 1961, but may be delayed.

Southfield - Work is under way in Detroit and the section from 8 Mile Road to Northwestern is to be put under contract late in 1961. Extensive widening or rebuilding from Northwestern to 12 Mile is planned as a combined effort by the City of Southfield, City of Lathrup Village and the County Road Commission to coincide with the State Project.

**"EXISTING STATE TRUNK LINES"**

The following construction is planned for 1960.

**U.S.-10** - Resurface northbound lanes from 11 Mile to 14 Mile Roads.

Also several median crossovers to be relocated and intersection betterment. Cutoffs for left turn movements at Walton-Williams Lake.

**U.S.-24** - Resurface from Northwestern to Maple. Maple Road intersection to be widened and possible similar work at 12 Mile, 13 Mile and Long Lake Road.

**M-59** - Resurface from Telegraph Road to Voorheis Street. Widen to twenty-four feet and resurface from Elizabeth Lake Road to Crescent Lake Road with possible turning lanes at major intersections. Intersection widening at both John R Road and Dequindre Road.

**M-218** - Widen to twenty-four feet and resurface from Telegraph Road to Pontiac Trail.

**APPOINTMENT OF SECRETARY-CLERK**

The following appointment was made by the Board of County Road Commissioners, subject to the approval of the Board of Supervisors:-

WHEREAS, It is the opinion of this Board that the work of the Board is of sufficient volume to warrant and justify the appointment of a Secretary who shall be, and act, as Clerk of this Board, and whose salary shall be paid by this Board from County Road Funds under the provisions of Section Nine of Chapter IV (County Road Law) of the General Highway Law, as last amended by Act 50 of the Public Acts of 1951, (See Supplement and Section 224.9 as so amended, Compiled Laws of 1948).

**NOW THEREFORE BE IT RESOLVED:**

- 1.- That in the opinion of this Board its work is of sufficient volume to warrant and justify the appointment of a Secretary who shall be, and act, as Clerk of the Board.
- 2.- That Irwin P. Nichols be, and he is hereby appointed, as Secretary-Clerk of this Board, subject to the approval of the Board of Supervisors as in said Section Nine as amended, provided, such appointment to continue, subject to the discretion of this Board.
- 3.- That the salary of said Secretary-Clerk shall be paid from County Road Funds.
- 4.- That this resolution is adopted under the provisions of C.L. 1948, Section 224.9 as last amended as referred to in paragraph A hereof.

**MOTION CARRIED.**

**STATE AND COUNTY  
ROAD MILEAGE  
in  
OAKLAND COUNTY  
on  
MARCH 1, 1960**

**STATE TRUNK LINE HIGHWAYS**

<u>Surface Type</u>	<u>Miles</u>	<u>Total Miles</u>
Surface Treated Gravel	10.88	
Mixed Bituminous-Gravel Base	16.08	
Mixed Bituminous-Concrete Base	98.95	
Cement Concrete	52.89	
Ramps (All types)	<u>8.00</u>	186.80

**PRIMARY COUNTY ROADS**

Surface Treated Gravel	64.11	
Gravel Surface	165.83	
Mixed Bituminous - Gravel Base	178.28	
Mixed Bituminous - Concrete Base	207.01	
Cement Concrete	<u>54.03</u>	669.26

**LOCAL COUNTY ROADS**

Surface Treated Gravel	21.90	
Gravel Surface	1404.76	
Mixed Bituminous - Gravel Base	204.04	
Cement Concrete	<u>0.68</u>	<u>1,631.38</u>

**TOTAL MILES**

**2,487.44**



1959

**CONSTRUCTION ON FEDERAL AID SECONDARY (PRIMARY) ROADS**

These projects were built using 50% Federal Aid Funds and 50% County Road Commission Primary Road Funds.

	<u>Miles</u>	<u>Total Cost</u>
Project #FA-231 CS 63-103, S 56 (6)		
<u>8 Mile Road</u>	3.0	\$92,460.43
<p>Napier to S. W. Corner, Section 34 Lyon Township. Widen to 22' and 2 3/4" x 22' bituminous concrete surface. Participation:- Oakland County Road Commission 25% Washtenaw County Road Commission 25% Federal Aid Funds 50% Contractor - A. &amp; A. Asphalt Paving Company . 100% complete.</p>		
Project #FA-268 CS B 1 of 63-2-27, S 827 (5)		
<u>Adams Road Bridge</u>	---	\$34,774.24
<p>Between Hamlin and Crooks Roads. New bridge, 36' span, 30' clear roadway. Contractor - Fry, Boyd &amp; Barnes 100% complete.</p>		
Project #FA-269 CS 63-98, S 56 (3)		
<u>Baseline Relocation (8 Mile Road)</u>	1.3	\$75,685.36 (Our share to date)
<p>At Northville. Grade, drain, railroad overpass, 22' cement concrete pavement. To be built in cooperation with Wayne County Road Commission. Contractor - McQuestion and Kauthen 40% complete.</p>		

## Construction on Federal Aid Secondary (Primary) Roads continued

	<u>Miles</u>	<u>Total Cost</u>
Project #FA-284		
DCS 63-91, DS 827 (3)		
CS 63-91, S 827 (2)		
<u>Greenfield Road</u>	2.1	\$243,897.10
<p>9 Mile Road to 11 Mile Road.  Widen to 44' cement concrete  pavement and bituminous concrete surface.  Built using both regular Federal Aid Funds  and special Emergency Federal Aid Funds.  Contractor - Cooke Contracting Company.  100% complete.</p>		
Project #FA-305		
CS 63-104, S 820 (1)		
<u>Indianwood Road</u>	3.75	\$125,756.07
<p>Baldwin to M-24.  Aggregate widening to 22' and  2 3/4" x 22' bituminous concrete surface.  Contractor - A. &amp; A. Asphalt Paving Company.  100% complete.</p>		
Project #FA-307		
CS 63-107, S 787 (1)		
<u>Cass Elizabeth Road</u>	2.1	\$79,970.80
<p>Cooley Lake Road to  Cass Lake Road.  Widen to 22' and 2 3/4" x 22'  bituminous concrete surface.  Contractor - Ann Arbor Construction Company.  100% complete.</p>		

Construction on Federal Aid Secondary (Primary) Roads continued

	<u>Miles</u>	<u>Total Cost</u>
Project #FA-315		
CS 63-106, S 1033 (1)		
<u>Sashabaw Road</u>	2.0	\$50,464.31
<p>Hoyt Road to Seymour Lake Road.            2" x 20' bituminous aggregate surface.            Contractor - Ann Arbor Construction Company.            100% complete.</p>		
Project #FA-321		
CS 63-105, S 827 (4)		
<u>Adams Road</u>	3.00	\$76,359.17
<p>East Long Lake Road to M-59.            Widen to 22' and 2 3/4" x 22'            bituminous concrete surface.            Contractor - Howell Construction Company.            100% complete.</p>		

1959

PRIMARY ROAD CONSTRUCTION

The following major projects were completed or substantially constructed during 1959:-

	<u>Miles</u>	<u>Total Cost</u>
Project #CW-295		
<u>12 Mile Road</u>	0.3	\$6,763.00 (County Share)
Coolidge Road to Robina Street. Recap pavement and correct drainage. Participation:- Road Commission 50% Cities 50% Contractor - Cadillac Asphalt Paving Company. 100% complete.		
Project #SP-296		
<u>Indianwood Bridge</u>	---	\$10,004.98 (1958) \$8,929.00 (1959)
1/2 mile west of M-24. 12'4" x 7'9" x 44' multiplate pipe arch. Road Commission Forces. 100% complete.		
Project #CW-303		
<u>14 Mile Road</u>	0.90	\$180,424.83
Crooks Road to Washington Street. Reconstruct to 48' concrete. Participation:- Road Commission \$75,066.84 Clawson - Balance of Cost Contractor - Western Construction Company. 100% complete.		
Project #CW-304		
<u>West Maple Road</u>	0.45	\$60,939.25 (County share)
Cranbrook Road to Westchester Street. Remove old concrete, reconstruct to 44' concrete. Participation:- Road Commission 75% Birmingham 25% Contractor - Oak Construction Company. 100% complete.		

## Primary Road Construction continued

	<u>Miles</u>	<u>Total Cost</u>
<b>Project #CW-306</b>		
<u>Cass Lake Road</u>	2.6	\$138,991.45
<p>M-218 to Elizabeth Lake Road.  Concrete widening to 22' and 2 3/4" x 22'  bituminous concrete surface.  Keego Harbor contributed \$5,550.00 toward  curb and gutter.  Contractor - Ann Arbor Construction Company.  100% complete.</p>		
<b>Project #SP-308</b>		
<u>Franklin Road Bridge</u>	---	\$20,689.32
<p>North of 14 Mile Road.  Twin 11'±0" x 7'7" x 44' multiplate  pipe arch with headwalls.  Contractor - Road Commission Forces  100% complete.</p>		
<b>Project #PR-310</b>		
<u>Hiller Road</u>	1.5	\$47,573.63
<p>Cooley Lake Road to Marshbank Park.  Grade, drain, gravel base.  Contractor - John F. Waiser.  100% complete.</p>		
<b>Project #PR-311</b>		
<u>9 Mile Road</u>	1.8	\$59,341.64
<p>Old Grand River to Inkster.  Concrete base widening to 22' and 2 3/4" x 22'  bituminous concrete surface.  Contractor - A. &amp; A. Asphalt Paving Company.  100% complete.</p>		

## Primary Road Construction continued

	<u>Miles</u>	<u>Total Cost</u>
<b>Project #CW-314</b>		
<u>Farmington Road</u>	0.2	\$15,801.08 (County share)
State Street to Slocum Street. Concrete cement pavement widening to 48'. Participation:- Road Commission 50% Farmington 50% Contractor - A. J. Smith Contracting Company. 100% complete.		
<b>Project #PR-317</b>		
<u>Service Road</u>	0.31	\$18,835.40
Pontiac Lake Road to Telegraph Road. Bituminous aggregate surface and miscellaneous work. Contractor - Peake Asphalt Paving Company. 100% complete.		
<b>Project #PR-320</b>		
<u>John R Road</u>	4.00	\$96,754.58
Wattles Road to M-59. Aggregate widening to 22' and 2 3/4" x 22' bituminous concrete surface. Contractor - Howell Construction Company. 100% complete.		
<b>Project #PR-322</b>		
<u>14 Mile Road</u>	1.0	\$25,950.50
Southfield Road to Greenfield Road. Concrete widening to 22' and 2 3/4" x 22' bituminous concrete surface. Contractor - Howell Construction Company. 100% complete.		

**Primary Road Construction continued**

	<u>Miles</u>	<u>Total Cost</u>
<b>Project #PR-323</b>		
<u>Cranbrook Road</u>	0.50	\$24,518.45
Lincoln to Maple. 2 3/4" bituminous concrete surface. Contractor - Howell Construction Company. 100% complete.		
<b>Project #SP-324</b>		
<u>Farmington Road</u>	---	\$4,705.25
Between 12 Mile Road and 13 Mile Road. 9'4" x 6'3" x 60' multiplate pipe arch. Contractor - Road Commission Forces. 100% complete.		
<b>Project #CW-325</b>		
<u>14 Mile Road</u>	0.50	\$15,795.18 (County share)
Livernois to Rochester Road. Bituminous concrete on old concrete. Participation:- Road Commission 100% center 20 feet 50% remainder Clawson 50% remainder Contractor - Peake Asphalt Paving Company. 100% complete.		

In addition to the aforementioned projects, major amounts of ditching, shoulder widening, new structures, railroad signals, and other reconstruction work of such a nature as to be called "construction"

**Primary Road Construction continued:**

were done during 1959 on the following primary roads with Road

**Commission Forces:-**

<u>NAME OF ROAD</u>	<u>LOCATION</u>	<u>COST</u>
Grange Hall Road	Railroad signal installation	\$ 4,779.84
Lake George Road	Stoney Creek Road to Romeo Road	14,347.65
Bogie Lake Road	Commerce Road North	23,235.74
14 Mile Road	John R west	499.93
Adams Road	Hickory Heights Road to west of Wattles	459.52
Commerce Road	West of Union Lake Road	2,223.02



1959

CONSTRUCTION ON LOCAL ROADS

	<u>Miles</u>	<u>Total Cost</u>
<b>Project #TM-281</b>		
<u>Duck Lake Road</u>	0.50	\$15,736.99
Jackson to Eagle. Grade, drain, gravel surface. Participation:- Road Commission 50% Highland Township 50% Contractor - Charles W. Anderson . 100% complete.		
<b>Project #TM-319</b>		
<u>South, Church and East Street</u>	0.3	\$18,258.05
In New Hudson. Grade, drain, gravel base, bituminous aggregate surface. Participation:- Road Commission 50% Lyon Township 50% Contractor - Charles W. Anderson. 100% complete.		
<b>Project #TM-326</b>		
<u>Quarton Road</u>	0.50	\$23,450.20
Telegraph Road to Wing Lake Road. Grade, drain, base, 2" x 20' bituminous mat. Participation:- Road Commission 50% Bloomfield Township 50% Contractor - Ray Anton. 100% complete.		

## Local Road Construction continued

	<u>Miles</u>	<u>Total Cost</u>
<b>Project #TM-327</b>		
<b><u>Army Road</u></b>	0.16	\$6,883.28
West of Rochester Road. Grade and surface (gravel). Participation:- Road Commission 50% Addison Township 50% Contractor - Dan Haddrill. 100% complete.		
<b>Project #TM-329</b>		
<b><u>Ladd Road</u></b>	0.55	\$14,330.77
Between Walled Lake and Wolverine Lake Village. Gravel base and 2" x 20' bituminous aggregate surface. Participation:- Road Commission 50% Commerce Township 50% Contractor - Charles W. Anderson. 100% complete.		
<b>Project #TM-330</b>		
<b><u>Squirrel Road</u></b>	0.29	\$15,780.41
South of Walton to M. S. U. O. Grade, drain, base and 2" x 20' bituminous mat. Participation:- Road Commission 50% Board of Supervisors 50% Contractor - Ray Anton 100% complete.		

## Local Road Construction continued

	<u>Miles</u>	<u>Total Cost</u>
<b>Project #TM-332</b>		
<u>Exmoor Drain</u>	---	\$8,317.94 (To date)
<p>From the intersection of Lakeside and Riviera Terrace to Exmoor.  12" and 18" storm sewer.  Participation:- Road Commission 50%  Waterford Township 50%  Contractor - Mike Harabedian.  90% complete.</p>		
<b>Project #TM-333</b>		
<u>Willow Road</u>	0.95	\$14,636.75
<p>Keith to Lochaven.  2" x 20' bituminous aggregate surface.  Participation:- Road Commission 50%  West Bloomfield Township 50%  Contractor - Detroit Concrete Products.  100% complete.</p>		
<b>Project #TM-334</b>		
<u>Gunn Road</u>	0.51	\$8,744.43
<p>Sheldon Road east and north for 0.51 mile.  Grade, drain and gravel surface.  Participation:- Road Commission 50%  Oakland Township 50%  Contractor - Road Commission Forces.  100% complete.</p>		
<b>Project #TM-335</b>		
<u>13 Mile Road</u>	0.56	\$24,490.28
<p>West of Orchard Lake Road.  Grade, drain, base, butiminous surface.  Participation:- Road Commission 50%  Farmington Township and Others 50%  Contractor - Ray Anton.  100% complete.</p>		

## Local Road Construction continued

	<u>Miles</u>	<u>Total Cost</u>
Project #T-336		
<u>Inkster Road</u>	0.65	\$24,399.30 (To date)
<p>North of 13 Mile Road.            Grade, drain, base and bituminous aggregate.            Participation:- Franklin Hills Country Club and Others 90%                                Road Commission 10%            Contractor - Cadillac Asphalt Paving Company.            75% complete.</p>		
Project #TM-337		
<u>Westcomb and Lari Court</u>	0.06	\$2,236.31
<p>Leroy Lane to boat channel.            Storm sewer, catch basin and            ditch cleanout.            Participation:- Road Commission 50%                                West Bloomfield Township 50%            Contractor - Road Commission Forces.            100% complete.</p>		

1960

**PROPOSED CONSTRUCTION, FEDERAL AID PROJECTS**

These projects will be built using 50% Federal Aid Secondary Funds and 50% Road Commission Primary Funds.

	<u>Miles</u>	<u>Estimated Total Cost</u>
Project #FA-302 CS 63-102, S 120 (7)		
<u>Novi Road</u>	3.00	\$350,000.00
Baseline Relocation to Grand River Expressway. Grade, drain and 22' concrete surface. Participation:- Road Commission 50% Federal Aid Funds 50%		
Project #FA-273 (Local) CS 63-108, A-AD 14 (1)		
<u>Featherstone, Hamlin, Squirrel</u>	1.16	\$75,000.00
Adams Road to Nike Site. Grade, drain and 20' bituminous aggregate. Participation:- Road Commission 20% Federal Defense Funds 80% Contractor - Peake Asphalt Paving Company.		
Project #SL-356 (Local)		
<u>Hamlin Road Bridge</u>	---	\$23,000.00
Between Squirrel and Adams Roads. Prestressed concrete 30' span and 30' clear roadway. Participation:- Road Commission agreed to pay 100% of cost of bridge, provided Federal Defense Department paid 80% of Project #FA-273 shown above. Contractor - P. E. Mason.		

1960

PROPOSED CONSTRUCTION, PRIMARY ROADS

	<u>Miles</u>	<u>Estimated Total Cost</u>
<b>Project #PR-191</b>		
<u>Quarton Road</u>	2.1	\$70,000.00
Lahser to Woodward Avenue. Grade, drain, 8" x 23' gravel base.		
<b>Project #CW-227</b>		
<u>10 Mile Road</u>	1.25	\$160,000.00
Lennox Street to Dequindre Road. Widen to 4 lanes with concrete. Participation:- Road Commission 50% Hazel Park, Madison Heights and Royal Oak 50%		
<b>Project #PR-234</b>		
<u>Adams Road</u>	1.5	\$45,000.00
Hamlin Road to Crooks Road (also two curves). Grade, drain, 8" gravel base. Contractor - John F. Walser.		
<b>Project #PR-301</b>		
<u>Hickory Ridge Road</u>	1.0	\$53,000.00
General Motors Road north 1 mile. Relocate, grade, drain, gravel base. Contractor - R. H. Miller.		
<b>Project #SP-309</b>		
<u>East Long Lake Road Bridge</u>	---	\$29,000.00
East of John R Road. Prestressed concrete 30' span and 30' clear roadway. Contractor - H. W. Harvie.		

## Proposed Construction, Primary Roads continued

	<u>Miles</u>	<u>Estimated Total Cost</u>
<b>Project #CW-313</b>		
<u>Long Lake Road-Woodward Avenue Intersection</u>		\$10,000.00
Right hand turning lanes off Long Lake Road. Participation:- Road Commission 50% Bloomfield Hills 50%		
<b>Project #PR-316</b>		
<u>Andersonville Road</u>	3.00	\$175,000.00
White Lake Road to north of Big Lake Road. Grade, drain, 23' gravel base, also improve railroad crossing.		
<b>Project #CW-339</b>		
<u>13 Mile Road</u>	0.9	\$80,000.00
Woodward to Greenfield. Widen to 45 feet back to back of curb. Participation:- Road Commission 50% Royal Oak 50%		
<b>Project #PR-341</b>		
<u>Adams Road</u>	2.79	\$60,000.00
M-59 to Crooks Road. 2" x 22' bituminous aggregate surface.		
<b>Project #PR-342</b>		
<u>Adams Road</u>	3.56	\$80,000.00
Silver Bell Road to Stoney Creek Road. Widen to 22' with gravel and 22' bituminous concrete. Contractor - A. & A. Asphalt Paving Company.		

## Proposed Construction, Primary Roads continued

	<u>Miles</u>	<u>Estimated Total Cost</u>
<b>Project #CW-343</b>		
<u>Crooks Road</u>	0.50	\$42,000.00
13 1/2 Mile Road to 14 Mile Road. Widen to 4 lanes with concrete where not already widened. Participation:- Road Commission 50% Clawson approximately 33% Royal Oak approximately 17%		
<b>Project #CW-344</b>		
<u>Farmington Road</u>	0.60	\$70,000.00
9 Mile Road to Slocum Street. Widen to 48' with concrete, bituminous concrete surface. Participation:- Road Commission 50% City of Farmington 50%		
<b>Project #PR-345</b>		
<u>Franklin Road</u>	0.10	\$3,500.00
Lower Hill at Hickory Grove Road. Grade, drain, 20' bituminous aggregate surface.		
<b>Project #PR-346</b>		
<u>Hickory Ridge Road</u>	4.00	\$100,000.00
General Motors Road to M-59. Lower grade at M-59 and 22' bituminous aggregate surface.		
<b>Project #PR-347</b>		
<u>Hiller Road</u>	1.79	\$45,000.00
Marshbank Park Entrance to Cooley Lake Road. 22' bituminous aggregate surface. Contractor - Detroit Concrete Productst		



## Proposed Construction , Primary Roads continued

	<u>Miles</u>	<u>Estimated Total Cost</u>
<b>Project #PR-348</b>		
<u>John R Road</u>	2.68	\$75,000.00
M-59 to Bloomer State Park. Widen to 22' with gravel, 2 3/4" x 22' bituminous concrete surface. Contractor - Cooke Contracting Company.		
<b>Project #PR-349</b>		
<u>Maple Road</u>	2.00	\$200,000.00
Telegraph Road to Cranbrook Road. Widen to 44' with concrete and turning lanes where needed.		
<b>Project #PR-350</b>		
<u>South Boulevard</u>	1.95	\$65,000.00
M-150 to Dequindre Road. Base buildup and 22' bituminous aggregate surface. Contractor - Peake Asphalt Paving Company.		
<b>Project #CW-351</b>		
<u>10 Mile Road</u>		\$5,000.00
East side of Telegraph Road. Bituminous surface turning lane. Participation:- Road Commission 50% City of Southfield 50%		
<b>Project #PR-352</b>		
<u>12 Mile Road</u>	2.00	\$5,000.00
Dequindre Road to Campbell Road. Survey and plans for reconstruction in 1961. Participation:- Road Commission 50% Madison Heights 50%		

**Proposed Construction, Primary Roads continued**

	<u>Miles</u>	<u>Estimated Total Cost</u>
<b>Project #PR-358</b>		
<u>Haggerty Road</u>	0.20	\$10,000.00
Near Oakley Park Road. Eliminate water standing on traveled portion of roadway.		
<b>Project #PR-359</b>		
<u>Maybee Road</u>	1.5	\$35,000.00
Sashabaw Road to Clintonville Road. Grade, drain, gravel base buildup to 23 foot width.		

1960

PROPOSED CONSTRUCTION, LOCAL ROADS

These local road construction projects are in the process of being set up as matching projects or have already been approved. Each township will pay 50% of the total final cost and the Road Commission will pay the other 50% from road funds budgeted for matching purposes. Quite a few more projects will be added by May 15, 1960, as other townships submit projects and their share of the funds.

	<u>Miles</u>	<u>Estimated Total Cost</u>
Project #TM-318		
<u>Willow Road</u>	1.1	\$32,700.00
Lochaven to Hiller Road. Grade, drain, gravel base. West Bloomfield Township.		
Project #TM-328		
<u>Fish Lake Road</u>	0.88	\$16,539.18
Academy Road to M-218. Grade, drain, gravel base. Contractor - C. W. Cousineau. Holly Township.		
Project #TM-331		
<u>Allen Road</u>	0.58	\$12,288.32
Bald Eagle Lake Road to M-15. Grade, drain, gravel base. Contractor - John F. Walser. Brandon Township.		
Project #TM-338		
<u>Midland Street</u>	0.15	\$5,100.00
U.S. -10 for about 800 feet northeast. Grade, drain, gravel base and 2" x 20' bituminous aggregate surface. Waterford Township.		

## Proposed Construction, Local Roads continued

	<u>Miles</u>	<u>Estimated Total Cost</u>
<b>Project #TM-340</b>		
<u>Buckhorn Lake Road</u>	1.0	\$15,000.00
South from end of previous construction for approximately one mile. Grade, drain, gravel surface. Rose Township.		
<b>Project #T-353</b>		
<u>Featherstone Road</u>	0.09	\$15,000.00
Pontiac City Limits to M-24. Concrete pavement. Contractor - Max Frisinger.		
<b>Project #TM-354</b>		
<u>Fairview and Summit Streets</u>	0.45	\$8,866.00
Indianwood Road to Chamberlin Street. Grade, drain, gravel surface. Orion Township.		
<b>Project #TM-355</b>		
<u>Benstein and Sleeth Roads</u>	2.3	\$80,000.00
Commerce Road to Oakley Park Road. Grade, drain, 8"x21' gravel base. Commerce Township.		
<b>Project #TM-357</b>		
<u>Fish Lake Road</u>	---	\$9,000.00
At Grand Trunk Western Railroad Crossing. Installation of automatic warning signals. Participation:- Grand Trunk Railroad 50% Road Commission 25% Holly Township 25%		

**Proposed Construction, Local Roads continued.**

In addition to the projects listed, the following projects are under consideration at this time. They, and others, may or may not materialize.

<u>ROAD</u>	<u>LOCATION</u>	<u>TOWNSHIP</u>
13 Mile Road	1/2 mile west of Orchard Lake to Drake	Farmington
9 Mile Road	Farmington Road to Gill Road	Farmington
Lahser Road	Hickory Grove to Square Lake Road	Bloomfield
Quarton Road	Franklin Road to Wing Lake Road	Bloomfield
Commonwealth	Pontiac Road to Perry Street	Pontiac
Allen Road	Bald Eagle to M-15 (Bituminous surface)	Brandon

## COUNTY HIGHWAY RECEIPTS

Year 1959

### REVENUE RECEIPTS

#### State Funds - Motor Vehicle Highway Funds

##### Engineering Services

Primary Road Fund	\$	3,037.50	
Local		<u>712.50</u>	
Total Engineering Services	\$		3,750.00

##### County Primary Road Fund

Amount of Allocation	\$	3,276,080.12	
Optional Transfer		<u>163,900.19-</u>	
Net for Primary Roads			3,112,179.93

##### County Local Road Fund

Amount of Allocation	\$	771,416.27	
Optional Transfer		<u>163,900.19</u>	
Net for Local Roads			935,316.46

#### Total Motor Vehicle Highway Funds

\$4,051,246.39

#### Federal Funds

Federal Aid Secondary			363,140.60
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#### County Raised Revenues

Property Taxes	\$	8.06	
Appropriations by Board of Supervisors		7,710.66	
Township Contributions (Schedule A)		134,940.03	
Other Contributions		<u>145,342.09</u>	
Total County Raised			288,000.84

#### Miscellaneous Receipts

Salvage Sales	\$	1,696.48	
Interest Earned		5,635.65	
Property Rentals		6,300.00	
Sundry Refunds		1,109.84	
Sale of Maps		<u>286.20</u>	
Total Miscellaneous Receipts			<u>15,028.17</u>

#### TOTAL REVENUE RECEIPTS

\$4,717,416.00

### NON-REVENUE ITEMS

#### Gravel from Depleted Pits

1,447.10

#### TOTAL OF HIGHWAY RECEIPTS

\$4,718,863.10

## BALANCE SHEET

December 31, 1959

## ASSETS

GENERAL OPERATING FUND

County Treasurer's Cash Account	\$	780,327.66	
Imprest Cash - Office		150.00	
Payroll - Bank Account		1,000.00	
Accounts Receivable:			
State Trunkline Maintenance		103,232.17	
State Highway Department - Other		32,621.22	
Due on County Road Agreement		31,239.36	
Sundry Account Receivable		37,711.10	
Inventories:			
Equipment Materials and Parts		105,556.82	
Road Materials		186,618.01	
Prepaid Insurance		55,396.94	
Deferred Expense F. A. S.		<u>138,247.92</u>	
Total General Operating Fund			\$1,472,101.20

FIXED ASSET FUND

Land and Improvements		\$	177,573.98	
Buildings	\$	932,811.68		
Less Depreciation		<u>171,317.60</u>	761,494.08	
Equipment Road		1,980,305.23		
Less Depreciation		<u>1,283,745.37</u>	696,559.86	
Equipment Shop		52,387.44		
Less Depreciation		<u>28,122.78</u>	24,264.66	
Equipment Office		57,211.15		
Less Depreciation		<u>29,958.97</u>	27,252.18	
Equipment Engineers		2,512.58		
Less Depreciation		<u>1,496.98</u>	1,015.60	
Depletable Assets		78,344.64		
Less Depreciation		<u>69,558.51</u>	8,786.13	
Total Fixed Assets				1,696,946.49

LONG TERM FUND

Amount to be Provided for the Retirement of Bonds - Expressways			<u>1,733,750.00</u>
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TOTAL ASSETS			<u>\$4,902,797.69</u>
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NOTE: The bulk of our gas-weight tax funds are received in May, therefore, it is necessary to carry a sizeable balance through the end of the calander year.

## BALANCE SHEET - CONTINUED

December 31, 1959

## LIABILITIES AND FUND EQUITIES

GENERAL OPERATING FUND

Liabilities		
Accounts Payable	\$	117,838.53
Accrued Liability		52,911.03
Advances - Townships and Others		71,434.46
Other - County Work Orders in Progress		42,914.13
Total Liabilities	\$	<u>285,098.15</u>
Available Operating Funds		
County Road Commission Funds		<u>1,187,003.05</u>
TOTAL OPERATING LIABILITIES & EQUITIES		\$1,472,101.20

FIXED ASSET FUND

Plant & Equipment Equity	1,696,946.49
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LONG TERM DEBT FUND

Bonds Payable - Expressways		
Farmington - Brighton Expressway	\$	181,250.00
Northwestern Expressway		<u>1,552,500.00</u>
Total Long Term Debt Fund		<u>1,733,750.00</u>
TOTAL LIABILITIES & FUND EQUITIES		<u>\$4,902,797.69</u>



## SUMMARY OF RECEIPTS AND EXPENDITURES

Year 1959

COUNTY HIGHWAY RECEIPTSRevenue Receipts

State Funds - Motor Vehicle Highway Funds	\$4,051,246.39
Federal Aid Secondary Funds	363,140.60
County Raised Revenues	288,000.84
Miscellaneous Receipts	<u>15,028.17</u>
Total Revenue Receipts	\$4,717,416.00

## Other Receipt Items

Gravel From Depleted Pits	<u>1,447.10</u>
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TOTAL HIGHWAY RECEIPTS	<u><u>\$4,718,863.10</u></u>
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COUNTY HIGHWAY EXPENDITURES

Construction	\$1,739,980.54
Maintenance	2,479,375.39
Equipment Account	3,773.04-
Administration	<u>187,825.10</u>
Total Operating Expenditures	\$4,403,407.99

NON-OPERATING EXPENDITURES

Capital Outlay	\$ 3,520.42-
Long Term Debt Payments	<u>105,000.00</u>
Total Non-Operating Expenditures	<u>101,479.58</u>

TOTAL HIGHWAY EXPENDITURES	\$4,504,887.57
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Increase in Available Operating Funds	<u>213,975.53</u>
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NET TOTAL	<u><u>\$4,718,863.10</u></u>
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## COUNTY HIGHWAY RECEIPTS

Year 1959

REVENUE RECEIPTS

## State Funds - Motor Vehicle Highway Funds

## Engineering Services

Primary Road Fund \$ 3,037.50

Local 712.50

Total Engineering Services \$ 3,750.00

## County Primary Road Fund

Amount of Allocation \$3,276,080.12

Optional Transfer 163,900.19-

Net for Primary Roads 3,112,179.93

## County Local Road Fund

Amount of Allocation \$ 771,416.27

Optional Transfer 163,900.19

Net for Local Roads 935,316.46

## Total Motor Vehicle Highway Funds

\$4,051,246.39

## Federal Funds

Federal Aid Secondary

363,140.60

## County Raised Revenues

Property Taxes \$ 8.06

Appropriations by Board of Supervisors 7,710.66

Township Contributions (Schedule A) 134,940.03

Other Contributions 145,342.09

Total County Raised

288,000.84

## Miscellaneous Receipts

Salvage Sales \$ 1,696.48

Interest Earned 5,635.65

Property Rentals 6,300.00

Sundry Refunds 1,109.84

Sale of Maps 286.20

Total Miscellaneous Receipts

15,028.17

## TOTAL REVENUE RECEIPTS

\$4,717,416.00

NON-REVENUE ITEMS

Gravel from Depleted Pits

1,447.10

## TOTAL OF HIGHWAY RECEIPTS

\$4,718,863.10

## COUNTY HIGHWAY EXPENDITURES

Year 1959

	<u>Primary Road System</u>	<u>Local Road System</u>	
<b>OPERATING EXPENDITURES</b>			
<b>Construction (All Costs Except Administration)</b>			
Roads	\$1,461,556.21	\$ 200,655.82	
Bridges	<u>70,459.67</u>	<u>7,308.84</u>	
Total Construction	\$1,532,015.88	\$ 207,964.66	\$1,739,980.54
<b>Maintenance (All Costs Except Administration)</b>			
General Maintenance	\$1,071,213.38	\$ 816,666.23	
Snow and Ice Control	315,249.87	167,457.86	
Traffic Control	72,081.59	17,484.33	
Municipal Contracts	<u>19,222.13</u>	<u>                    </u>	
Total Maintenance	\$1,477,766.97	\$1,001,608.42	\$2,479,375.39
<b>Equipment Account - Expense</b>			
Direct	\$ 617,593.66		
Indirect and Storage	190,511.19		
Operating	<u>94,886.76</u>		
Total Equipment Expense		\$ 902,991.61	
<b>Credits to Equipment Account</b>			
Equipment Rental		<u>906,764.65</u>	
Net Credit to Equipment Account			3,773.04-

## COUNTY HIGHWAY EXPENDITURES

Year 1959

Administrative Expense		\$ 255,709.17
Credits to Administrative Accounts		
Handling Charges on Materials Sold	\$ 8,433.96	
Overhead-State Trunkline Maintenance	29,783.42	
Purchase Discounts	6,740.02	
Engineering & Overhead -		
Subdivision Street Construction	<u>22,926.67</u>	
Total Credits to Administration		<u>67,884.07</u>
Net Administrative Expense		\$ 187,825.10
Administration Proration -		
Primary System	\$144,421.49	
Local System	<u>43,403.61</u>	
TOTAL OPERATING EXPENDITURES		<u>\$4,403,407.99</u>
NON-EXPENSE DEBITS		
Capital Outlay		
Land and Improvements	\$ 6,328.87	
Buildings	4,090.86	
Equipment	<u>232,218.11</u>	
Depletable Assets		\$ 242,637.84
Less: Non-Revenue Credits		
Trade-In Allowance and		
Insurance Settlements	30,959.25	
Depreciation and Depletion	<u>215,199.01</u>	
Total Non-Revenue Credits		<u>246,158.26</u>
Net Capital Outlay Expenditures		3,520.42-
Long Term Debt Payments		
Expressway Bonds		
Farmington-Brighton Expressway	\$ 15,000.00	
Northwestern Expressway	<u>90,000.00</u>	
Total Long Term Debt Payment		<u>\$ 105,000.00</u>
Total Non-Expense Debits		<u>101,479.58</u>
TOTAL EXPENDITURES		\$4,504,887.57
Increase in Available Operating Funds		<u>213,975.53</u>
TOTAL EXPENDITURES AND FUND EQUITY ADJUSTMENT		<u>\$4,718,863.10</u>

## PRIMARY ROAD CONSTRUCTION

Year 1959

<u>Project No.</u>	<u>Road</u>	<u>Amount</u>
R. R. Crossing Signal	Grange Hall	\$ 4,779.84
Miscellaneous	Right-of-Ways	2,203.26
PR - 191	Quarton	362.04
PR - 221	Andersonville	74.52
PR - 231	Eight Mile	92,460.43
PR - 234	Adams	26,950.91
FA - 261	Twelve Mile	30,513.53
FA - 269	Eight Mile	19,631.10
CW - 271	Rochester	44,256.13
FA - 284	Greenfield	243,897.10
CW - 295	Twelve Mile	6,763.00
PR - 301	Hickory Ridge	30,747.75
FA - 302	Novi	3,880.39
CW - 303	Fourteen Mile	75,066.84
CW - 304	Fifteen Mile	60,939.25
FA - 305	Indianwood	125,756.07
* PR - 306	Cass Lake	138,991.45
FA - 307	Cass - Elizabeth	79,970.80
PR - 310	Hiller	47,573.63
**PR - 311	Nine Mile	59,341.64
CW - 312	Twelve Mile	183.92
CW - 313	Long Lake - Woodward	494.34
CW - 314	Farmington	15,801.08
FA - 315	Sashabaw	50,464.31
PR - 316	Andersonville	846.29
PR - 317	Service Road	18,835.40
PR - 320	John R	96,754.58
FA - 321	Adams	76,359.17
PR - 322	Fourteen Mile	25,950.50
PR - 323	Cranbrook	24,518.45
CW - 325	Fourteen Mile	15,795.18
PR - 342	Adams	208.80
PR - 348	John R	143.38
PR - 349	Maple	259.79
PR - 350	South Boulevard	15.48
W. O. 1341	Lake George	14,347.65
W. O. 1440	Bogie Lake	23,235.74
W. O. 1455	Fourteen Mile	499.93
W. O. 1750	Adams	459.52
W. O. 1772	Commerce	2,223.02
<b>TOTAL PRIMARY ROAD CONSTRUCTION</b>		<b><u><u>\$1,461,556.21</u></u></b>

\* City of Keego Harbor Contributed \$5,550.00.

\*\* City of Southfield Contributed \$603.00.

## LOCAL ROAD CONSTRUCTION

Year 1959

<u>Project</u>	<u>Road</u>	<u>Amount</u>	<u>Motor Vehicle Funds</u>	<u>Townships and Other Contributions</u>
211	Scripps	600.00	600.00	
FA - 273	Featherstone			
	Hamlin & Squirrel	387.59	387.59	Federal Defence
TM - 281	Duck Lake	15,736.99	8,489.63	7,247.36 Highland
TM - 285	Buckhorn Lake	3,028.18	2,080.52	947.66 Rose
TM - 286	Conklin	6,343.99	3,337.59	3,006.40 Orion
TM - 318	Willow	2,763.01	1,381.51	1,381.50 W. Bloomfield
TM - 319	South Church & East	18,258.05	9,236.86	9,021.19 Lyon
TM - 326	Quarton	23,450.20	12,313.08	11,137.12 Bloomfield
TM - 327	Army	6,883.28	3,896.35	2,986.93 Addison
TM - 328	Fish Lake	1,731.63	865.82	865.81 Holly
TM - 329	Ladd	14,330.77	7,625.83	6,704.94 Commerce
M - 330	Squirrel	15,780.41	8,069.75	7,710.66 County
TM - 331	Allen	1,127.74	563.87	563.87 Brandon
TM - 332	Exmoor Drain	8,317.94	4,300.82	4,017.12 Waterford
TM - 333	Willow	14,636.75	7,146.68	7,490.07 W. Bloomfield
TM - 334	Gunn	8,744.43	4,372.22	4,372.21 Oakland
TM - 335	13 Mile	24,490.28	10,020.28	4,720.00 Farmington 9,750.00 Others
T - 336	Inkster	24,399.30	1,838.91	22,560.39 Franklin Hills Country Club & Others
TM - 337	Westcomb & Lari Court	2,236.31	1,062.25	1,174.06 W. Bloomfield
TM - 353	Featherstone	57.54	57.54	
TM - 355	Benstein & Sleeth	305.47	152.74	152.73 Commerce
W. O. 1764	Absequami Trail	7,045.96	5,845.96	300.00 Orion 900.00 Others
TOTAL LOCAL ROAD CONSTRUCTION		<u>\$200,655.82</u>	<u>\$93,645.80</u>	<u>\$107,010.02</u>

## PRIMARY ROAD STRUCTURES CONSTRUCTION

Year 1959

<u>Project No.</u>	<u>Location-Road</u>	<u>Township</u>	<u>Amount</u>
FASP - 268	Adams Road	Avon	\$ 34,774.24
SP - 296	Indianwood Road	Orion	8,929.00
SP - 308	Franklin Road	Bloomfield	20,689.32
SP - 309	East Long Lake Road	Troy	1,361.86
SP - 324	Farmington Road	Farmington	<u>4,705.25</u>
TOTAL PRIMARY ROAD STRUCTURES CONSTRUCTION			<u>\$ 70,459.67</u>

## LOCAL ROAD STRUCTURES CONSTRUCTION

Year 1959

<u>Project No.</u>	<u>Location-Road</u>	<u>Township</u>	<u>Amount</u>
SL - 276	Gunn Road	Oakland	\$ 1,470.36
SL - 297	Oxbow Lake Road	White Lake	3,775.72
SL - 356	Hamlin Road	Pontiac	465.68
W. O. 1736	Buell Road	Oakland	<u>1,597.08</u>
TOTAL LOCAL ROAD STRUCTURES CONSTRUCTION			<u>\$ 7,308.84</u>

## PRIMARY ROAD MAINTENANCE

Year 1959

<u>Concrete Roads:</u>	<u>Total</u>	<u>General Maintenance</u>	<u>Snow &amp; Ice Control</u>	<u>Traffic Control</u>
District No. 1	\$ 58,007.73	\$ 29,287.07	\$ 24,093.11	\$ 4,627.55
District No. 2	13,653.30	9,477.10	3,421.90	654.30
District No. 3	49,395.97	34,077.14	12,302.51	3,016.32
District No. 4	429,748.42	306,376.16	86,395.32	36,976.94
Totals	<u>550,805.42</u>	<u>379,217.47</u>	<u>126,212.84</u>	<u>45,375.11</u>
 <u>Black Top Roads:</u>				
District No. 1	\$ 186,412.04	\$ 132,754.64	\$ 48,223.48	\$ 5,433.92
District No. 2	85,050.48	52,895.99	28,426.24	3,728.25
District No. 3	119,091.60	85,491.48	30,498.66	3,101.46
District No. 4	163,918.05	122,560.02	34,400.87	6,957.16
Totals	<u>\$ 554,472.17</u>	<u>\$ 393,702.13</u>	<u>\$ 141,549.25</u>	<u>\$ 19,220.79</u>
 <u>Gravel Roads:</u>				
District No. 1	\$ 82,091.20	\$ 68,585.46	\$ 11,444.92	\$ 2,060.82
District No. 2	184,775.78	161,018.82	21,379.66	2,377.30
District No. 3	60,323.21	48,851.37	9,849.45	1,622.39
District No. 4	41,840.97	36,708.71	3,753.30	1,378.96
Totals	<u>\$ 369,031.16</u>	<u>\$ 315,164.36</u>	<u>\$ 46,427.33</u>	<u>\$ 7,439.47</u>
 <u>Washtenaw-Oakland County Line Road</u>				
	<u>\$ 3,458.22</u>	<u>\$ 2,351.55</u>	<u>\$ 1,060.45</u>	<u>\$ 46.22</u>
 <b>TOTAL PRIMARY ROAD MAINTENANCE</b>				
	<u><u>\$1,477,766.97</u></u>	<u><u>\$1,090,435.51</u></u>	<u><u>\$ 315,249.87</u></u>	<u><u>\$ 72,081.59</u></u>



## LOCAL ROAD MAINTENANCE

Year 1959

<u>Township</u>	<u>Total</u>	<u>General Maintenance</u>	<u>Snow &amp; Ice Control</u>	<u>Traffic Control</u>
Addison	\$ 16,920.62	\$ 12,602.21	\$ 3,837.03	\$ 481.38
Avon	74,723.35	65,623.95	7,608.63	1,490.77
Bloomfield	121,498.17	100,637.67	19,684.13	1,176.37
Brandon	23,715.09	17,762.57	5,077.76	874.76
Commerce	51,935.56	42,544.11	8,557.19	834.26
Farmington	86,654.85	73,096.22	11,798.25	1,760.38
Groveland	18,478.57	13,885.09	4,113.92	479.56
Highland	32,902.77	25,664.10	6,830.78	407.89
Holly	14,195.86	10,076.69	3,836.30	282.87
Independence	39,681.62	31,820.17	6,811.99	1,049.46
Lyon	15,723.72	11,621.70	3,695.28	406.74
Milford	16,659.03	11,067.06	4,973.54	618.43
Novi	1,510.37	533.44	976.93	
Oakland	26,484.37	21,172.68	5,014.81	296.88
Orion	44,861.79	36,961.42	7,303.53	596.84
Oxford	22,295.87	17,228.73	4,725.83	341.31
Pontiac	38,402.14	31,993.19	5,481.00	927.95
Rose	24,716.70	19,931.56	4,267.11	518.03
Royal Oak	5,492.20	4,836.19	551.27	104.74
Springfield	22,408.08	17,414.13	4,413.20	580.75
Waterford	153,216.49	125,976.57	24,629.70	2,610.22
W. Bloomfield	69,472.31	55,569.81	13,284.48	618.02
White Lake	44,990.00	33,978.08	9,985.20	1,026.72
Dutch Elm Control	<u>34,668.89</u>	<u>34,668.89</u>		
<b>TOTAL LOCAL ROAD MAINTENANCE</b>	<u>\$1,001,608.42</u>	<u>\$ 816,666.23</u>	<u>\$ 167,457.86</u>	<u>\$ 17,484.33</u>

## ANALYSIS OF EQUIPMENT RENTAL

Year 1959

## SCHEDULE E

Charges to County Construction and Maintenance Projects	\$ 637,365.90	
Charges to Inventory Operations	31,150.64	
Charges to State Highway Department Accounts	135,866.94	
Charges to Other Reimbursable Accounts	94,743.18	
Other	<u>8,964.94</u>	
<b>TOTAL EQUIPMENT RENTAL</b>		<b>\$ 908,091.60</b>

## ANALYSIS OF EQUIPMENT EXPENSE

## SCHEDULE F

Direct Expense

Labor and Parts	\$ 433,097.81	
Depreciation	<u>184,495.85</u>	
<b>Total - Direct Expense</b>		<b>\$ 617,593.66</b>

Indirect Expense

Shop Expenses	\$ 117,934.47	
Storage Expenses	57,165.00	
Depreciation - Shop Equipment	4,344.10	
Depreciation - Buildings	<u>11,067.62</u>	
<b>Total - Indirect &amp; Storage Expense</b>		<b>190,511.19</b>

Operating Expense

<b>Total Operating Expense</b>		<b><u>94,886.76</u></b>
<b>TOTAL EQUIPMENT EXPENSE</b>		<b><u>\$ 902,991.61</u></b>

## ADMINISTRATIVE EXPENSE

Year 1959

## SCHEDULE B

Commissioner Salaries	\$ 22,500.00	
Administrative Salaries	159,076.20	
Postage	677.10	
Telephone & Telegraph	1,840.85	
Travelling Expense	2,272.15	
Office Supplies	6,236.58	
Office Bldg. Expense	25,787.65	
Office Equipment Expense	1,925.51	
Office Equipment Depreciation	6,109.69	
Other	29,283.44	
Miscellaneous Credits	<u>67,884.07-</u>	
<b>TOTAL ADMINISTRATIVE EXPENSE</b>		<b>\$ <u>187,825.10</u></b>
Other - Itemized		
Attorney Services	\$ 6,494.00	
Professional Services	1,869.00	
Advertising & Recording Fees	1,020.55	
Books, Subscriptions & Publications	130.35	
Hospitalization	1,121.40	
Insurance-Compensation	458.45	
Depreciation-Engineering Equipment	247.74	
Group Life Insurance Commissioners	82.68	
Lobby Expense	1,096.93	
Road Commissioners Association Dues	1,810.00	
Miscellaneous Bills	572.00	
Pension Fund-Commissioners	1,418.00	
Pension Fund-Administrative Employees	6,184.74	
Premium on Surety Bonds	323.65	
Old Age Benefits	2,876.85	
Engineering Expense	<u>3,577.10</u>	
<b>TOTAL OTHER EXPENSE</b>		<b>\$ <u>29,283.44</u></b>

## DISTRIBUTIVE EXPENSE

Year 1959

## SCHEDULE C

Fringe Benefits:

Vacations and Sick Leave	\$ 121,171.63
Compensation Insurance	22,432.12
Retirement and Social Security	97,455.88
Hospitalization	14,463.85
Group Life Insurance	<u>6,589.05</u>

Total Fringe Benefits \$ 262,112.53

Distribution of Fringe Benefits:

Primary Construction	\$ 12,821.10
Local Construction	2,654.51
Primary Maintenance	107,057.37
Local Maintenance	69,686.08
Inventory	4,330.87
Equipment Expense	32,059.53
Administrative Expense	1,831.94
Distributive Expense	<u>31,671.13</u>

TOTAL DISTRIBUTED \$ 262,112.53

Other Distributive Expense:

Small Tools	\$ 11,583.18
Inventory Adjustment	3,596.74
State Maintenance Adjustment	1,873.23
Indirect Expense	<u>219,362.38</u>

Total \$ 236,415.53

Distribution of Distributive Expense:

Primary Maintenance	\$ 141,042.27
Local Maintenance	<u>95,373.26</u>

Total Distributed \$ 236,415.53

## CONTRIBUTIONS BY TOWNSHIPS AND OTHERS

Year 1959

Township	Total	Contributions by Townships		Contributions by Others
		Local Road Maintenance	Local Road Construction	Local Road Maintenance
Addison	\$ 3,552.93	\$	\$ 2,986.93	\$ 566.00
Avon	15,755.19	4,609.33		11,145.86
Bloomfield	55,330.63	22,407.26	11,137.12	21,786.25
Brandon	1,333.75		563.87	769.88
Commerce	18,868.39	8,557.67	6,857.67	3,453.05
Farmington	16,946.61		4,720.00	12,226.61
Groveland	3,070.30	2,881.30		189.00
Highland	9,614.30		7,247.36	2,366.94
Holly	1,324.56		865.81	458.75
Independence	1,433.82	60.00		1,373.82
Lyon	10,824.64	789.22	9,021.19	1,014.23
Milford	268.50			268.50
Novi	45.00			45.00
Oakland	8,193.96	1,851.75	4,372.21	1,970.00
Orion	10,945.55	3,668.85	3,306.40	3,970.30
Oxford	2,128.31			2,128.31
Pontiac	5,618.67	2,667.28		2,951.39
Rose	1,714.91		947.66	767.25
Royal Oak	100.00			100.00
Springfield	1,845.09	599.54		1,245.55
Waterford	36,011.84	14,490.22	4,017.12	17,504.50
W. Bloomfield	24,863.14	6,268.64	10,045.63	8,548.87
White Lake	3,545.48			3,545.48
TOTAL				
CONTRIBUTIONS BY TOWNSHIPS AND OTHERS	\$ <u>233,335.57</u>	\$ <u>68,851.06</u>	\$ <u>66,088.97</u>	\$ <u>98,395.54</u>

## TENTATIVE BUDGET FOR 1960

## Anticipated Revenues and Expenditures

## Estimated Revenue

1951 Act 51 as amended in 1957

Motor Vehicle Highway Fund

Local Road Fund \$ 800,000.00

Primary Road Fund 3,375,000.00

\$4,175,000.00

## Less Loans Payable

Act 205 P.A. 1941 (Northwestern)\$ 90,000.00

Act 205 P.A. 1941 (Farmington-  
Brighton) 15,000.00105,000.00

\$4,070,000.00

Appropriation by Board of Supervisors

100,000.00

Total Estimated Available Funds

\$4,170,000.00

## Estimated Expenditures

Maintenance

Primary Roads

\$1,350,000.00

Local Roads

800,000.00

\$2,150,000.00

## Construction

Primary Roads

\$1,285,000.00

Local Roads

150,000.00

Local Road Structures

100,000.00

\$1,535,000.00

## Other Expense

Reserve - Radio changeover and office equipment \$ 60,000.00

New Road Equipment 225,000.00

Administration 200,000.00\$ 485,000.00

\$4,170,000.00

Property of  
OAKLAND COUNTY  
PLANNING COMMISSION  
1 Lafayette Street  
PONTIAC, MICHIGAN

April 1, 1957

TO THE HONORABLE BOARD OF SUPERVISORS  
OF THE COUNTY OF OAKLAND, MICHIGAN

Gentlemen:

Your Board of County Road Commissioners in compliance with the statutes relating thereto, takes pleasure in submitting for your approval our Forty-Fourth Annual Report of the work of this department for the period January 1, 1956 to December 31, 1956.

NORTHWESTERN EXPRESSWAY

Northwestern Highway in Oakland County, which extends from Eight Mile Road in Southfield Township in a northwesterly direction to the West County Line near Fenton in Genesee County, has been approved as a limited access highway by the Michigan State Highway Department.

Acquiring of right of way and actual construction will be started in 1957 on the section between Orchard Lake Road and M-59, provided bonds can be sold to cover cost in addition to Federal Aid.

The estimated cost of the total project is \$37,000,000.00 of which \$25,000,000.00 is to be financed through a bond issue. Oakland County participates in the cost to the extent of \$1,800,000.00 payable from Motor Vehicle revenues over a 20 year period. The State to pay the balance of the cost of the Expressway exclusive of Federal Aid.

FARMINGTON-BRIGHTON EXPRESSWAY

The Farmington-Brighton Expressway extending from U.S.-#23 in Livingston County and paralleling U.S.-#16 easterly to a point about one (1) mile southeast of Middle Belt Road in Oakland County will have completed sections for traffic during 1957. Some of the grade separations have been delayed because of a steel shortage. The total cost of the project is estimated at \$11,000,000.00

of which Oakland County participated to the extent of \$300,000.00 payable in twenty (20) equal annual installments from Motor Vehicle revenue.

#### NEW OFFICE AND SHOP BUILDINGS

This Commission has under construction the second set of buildings on the County Service Center Site. The contract for the construction was awarded to the Campbell Construction Company of Detroit as low bidder as follows:-

Office Building	\$174,479.00
Shop Building	<u>110,413.00</u>
Total	\$284,892.00

These buildings will be completed and ready for occupancy about April 1, 1957. The shop building will house a paint shop, electrical laboratory, engineering laboratory, carpenter shop, and a sign letter shop.

Plans are in process for the construction of our third and final set of buildings on the County Service Center Site. These consist of a warehouse to house cement, calcium chloride, salt, fertilizers, and seasonal equipment, at an estimated cost of \$50,000.00. Also an additional storage garage to house regular equipment and to permit the full use of our present garage for a repair shop. This building is estimated to cost \$203,000.00.

This Commission sold to the Michigan State Highway Department approximately 2.5 acres of land including building thereon at 550 South Telegraph Road, to provide right of way for M-58 (Telegraph Road) relocation for the sum of \$164,000.00. The balance of land and buildings at this address of an appraised value of \$143,000.00, will be offered for sale this spring.

#### HIGHWAY NEEDS STUDY

The "Highway Needs Survey" of Oakland Countys' Highways along with other



counties of the State is before the Legislature in its 1957 session. No doubt some additional moneys will be made available to the counties for highway improvement purposes. Traffic demands far exceed our annual improvement funds.

#### EIGHT MILE ROAD

There has been but little progress made on the Eight Mile Road relocation project near Northville, description of which is contained in our 1955 Annual Report. Condemnation proceedings are proposed for this year to acquire sufficient right of way. This project is a joint venture by and between this Commission and the Wayne County Road Commission.

#### COUNTY ROAD MAINTENANCE

County roads are divided into two classifications, namely, Primary and Local. The Primary Roads are the main county roads as approved by the Michigan State Highway Department. The balance of the public roads and subdivision streets outside of municipal incorporations are local roads. Funds for the maintenance of these roads are provided from Motor Vehicle revenues under Act 51 of the P. A. of 1951.

Local roads have been maintained within the funds available supplemented by contributions from the Townships. The maintenance of county local roads costs \$898,848.56, including labor, material, equipment rental, and distributive expense or an average of \$480.68 per mile. These figures include sale of culvert pipe, calcium chloride brine as a dust layer and contribution by Townships.

The cities of Hazel Park, Oak Park, Ferndale, Berkley, and Huntington Woods have maintained primary roads, within their respective City limits, under an

agreement with this Commission.

Maintenance of County Primary Roads cost during 1956, \$1,357,767.88 including labor, material, equipment rental, overhead, and distributive expense, or an average of \$1,940.39 per mile.

State Trunkline Highways are maintained by this Commission under a contract with the Michigan State Highway Department for the fiscal year July 1, 1956, to June 30, 1957. This contract amounts to \$437,356.00 or an average of \$2,393.20 per mile.

MILEAGE OF ROADS  
1956  
OAKLAND COUNTY

STATE TRUNK LINE HIGHWAYS

<u>Surface Type</u>	<u>Miles</u>	<u>Total Miles</u>
Surface Treated Gravel	12.80	
Mixed Bituminous - Gravel Base	19.06	
Mixed Bituminous - Concrete Base	106.40	
Cement Concrete	<u>44.49</u>	
		182.75

PRIMARY COUNTY ROADS

Surface Treated Gravel	53.60	
Gravel Surface	195.83	
Mixed Bituminous - Gravel Base	181.75	
Mixed Bituminous - Concrete Base	184.96	
Cement Concrete	<u>83.60</u>	
		699.74

LOCAL COUNTY ROADS

Surface Treated Gravel	27.18	
Gravel Surface	1786.39	
Mixed Bituminous - Gravel Base	53.88	
Cement Concrete	<u>2.51</u>	
		<u>1869.96</u>

TOTAL MILES                      2752.45

New subdivision street mileage added to our county local road system in 1956 amounted to 84.91 miles.

REPORT ON DUTCH ELM DISEASE

During the year of 1956, this Commission removed a total of 348 elm trees which were infected with the above mentioned disease or were condemned as breeding places for the beetles, which are the carriers for the disease. This is a 94.4% increase for 1956 over 1955. Percentage-wise, it is down but still a larger number of trees are involved. This is affecting our Local Road Budgets and will continue to do so as long as the disease exists.

Because of the distance the wood has to be hauled for disposal and also the fact that this wood has to be destroyed by burning, our average cost can still be figured at \$85.00 per tree this year.

Following is a list showing what roads and Townships were affected by this disease and removals:-

Roads	Location	Number of trees	Approximate cost to remove
Primary	County Wide	208	\$17680.00
Local	Avon Township	7	595.00
Local	Bloomfield Township	34	2890.00
Local	Commerce Township	1	85.00
Local	Farmington Township	7	595.00
Local	Holly Township	1	85.00
Local	Independence Township	1	85.00
Local	Novi Township	9	765.00
Local	Oakland Township	5	425.00
Local	Pontiac Township	1	85.00
Local	Southfield Township	43	3655.00
Local	Waterford Township	3	255.00
Local	West Bloomfield Township	27	2295.00
Local	White Lake Township	1	85.00

This makes a total cost of \$29,580.00 which was spent on Dutch Elm Disease infected trees for their removal and disposal.

This disease has been found in seventeen (17) of our twenty-five (25) townships. This definitely shows how the disease has spread throughout the County to a point where no control program, other than what is being done would warrant the expense involved.

The following listed material was used during 1956 and charged out of our County Stock:

Liquid Calcium Chloride .....	2,652,400 gals.
Flake - Calcium Chloride (100# Sacks).....	10,814 sacks
Rock Bulk Salt .....	9,130 tons

Bituminous Material:

AE-1M .....	8,192 gals.
AE-3A .....	120,268 gals.
AE-150 .....	133,659 gals.

Tar:

T-3 .....	None
T-10 .....	904 gals.
T-12 .....	184,224 gals.

PLAIN CONCRETE PIPE

10" .....	291 ft.
12" .....	7,605 ft.
15" .....	None
18" .....	4 ft.

REINFORCED CONCRETE PIPE

12" .....	1,455 ft.
15" .....	44 ft.
18" .....	8 ft.

CORRUGATED METAL PIPE

8" x 6'	6 ft.
8" x 12'	None
8" x 18'	36 ft.
10" x 6'	126 ft.
10" x 12'	396 ft.
10" x 18'	1,314 ft.
12" x 6'	690 ft.
12" x 12'	2,724 ft.
12" x 18'	22,590 ft.
15" x 6'	30 ft.
15" x 12'	144 ft.
15" x 18'	1,134 ft.
18" x 6'	72 ft.
18" x 12'	252 ft.
18" x 18'	1,332 ft.
24" x 6'	60 ft.
24" x 12'	180 ft.
24" x 18'	882 ft.
30" x 6'	12 ft.
30" x 18'	198 ft.
36" x 12'	24 ft.
36" x 18'	36 ft.
42" x 18'	None
48" x 12'	None
48" x 18'	18 ft.

FORMED BOTTOM PIPE

18" x 18' (22" Span x 13" Rise) (Formed Bottom).....	54 ft.
24" x 6' (29" Span x 18" Rise) (Formed Bottom).....	6 ft.
24" x 18' (29" Span x 18" Rise) (Formed Bottom).....	108 ft.
30" x 18' (36" Span x 22" Rise) (Formed Bottom).....	36 ft.

PAVEMENT MARKING PAINT

White Paint .....	2,120 gal.
Yellow Paint .....	2,025 gal.

CEMENT

Cement Used on Project #212 for Soil Cement Stabilization.....	2,068 sacks
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The following is a composite report of the weight and permit department concerning trucking activities on County Roads for the year 1956.

1.- Vehicles stopped and examined	925
2.- Warning violations issued	165
3.- Total amount of actual violations	229
a. Scattering and littering highways	5
b. Excessive speed	46
c. Posted roads during restrictions	49
d. Vehicles moving without permits	11
e. Defective safety equipment	22
f. Overweight violations	91
g. Right of way violations	5
Total amount of fines	\$ 7,441.00
Total amount of court costs	<u>2,885.00</u>
Grand Total	\$10,326.00

A total of thirty-two cases of debris dumped on public roads were investigated. Of these cases six jail sentences were administered by various justices in the County and also a portion were made to clean up such messes, while others received fines directly from the court.

Fifty-eight requests were granted to examine and weigh vehicles to determine legal loads allowed on County Roads.

Twelve special moves of extra large equipment were escorted by this department where normal permits might impair the flow of normal traffic.

At different times throughout the year and at different locations, numerous vehicles were examined to inspect safety equipment and safety devices. Twenty-three accidents were investigated at the Prosecuting Attorney's request to



examine said vehicles and determine if defective equipment might have caused the accident. Four fines and one jail sentence resulted from such investigations.

Numerous complaints were investigated at the request of the State Highway Department and Michigan State Police concerning illegal vending on county and state road right of ways, the majority of these were on weekends and holidays.

There were 6,784 special permits issued covering the moving of extra large equipment on County Roads.

1956

PRIMARY ROAD CONSTRUCTION

The following major projects were completed or under construction during the year:-

	<u>Miles</u>	<u>Estimated Cost</u>
Project #165		
<u>Livernois Road</u>	3.02	\$ 74,002.00
Long Lake Road to M-59 Widen pavement to 22' resurface with 2 3/4" Bituminous Concrete Class I Contractor - Cooke Contracting Co.		
Project #176		
<u>South Fenton Road</u>	3.27	51,299.00
Milford Road to W. County Line Grading, draining and gravel surf.		
Project #188 - 188A		
<u>Ten Mile Road</u>	4.25	168,383.00
U. S. - 24 to Powers Road Replace broken pavement with new 22' pavement Widen old concrete to 22' Resurface with 2 3/4" class I Bituminous Concrete Contractors - H. J. Brighton A. & A. Asphalt Paving Co.		
Project #189		
<u>Thirteen Mile Road</u>	8.75	211,731.00
Woodward Avenue to Orchard Lake Road Widen to 22' with gravel and binder. Resurface with 2 3/4" Class I Bituminous Concrete. Contractor - Cooke Contracting Company		
Project #190		
<u>Lahser Road</u>	7.00	163,860.00
Eight Mile Road to West Maple Road Widen to 22' with gravel and binder. Resurface with 2 3/4" Class I Bit. Conc. Contractor - Detroit Concrete Products Co.		

## Primary Roads - Continued

	<u>Miles</u>	<u>Estimated Cost</u>
Project #193		
<u>Hadley Road</u>	1.00	\$ 14,969.00
Oakwood Road to North County Line Surface with 2" Bituminous Aggregate 20' wide. Contractor - Ann Arbor Construction Co.		
Project #194		
<u>Parkdale Road</u>	1.5	20,073.00
E. limits Village of Rochester to E. County Line Surface with a 2" Bituminous Aggregate 20' wide. Contractor - A. & A. Asphalt Paving Co.		
Project #196		
<u>Church, Mill and South Streets</u>	1.3	28,282.00
in Village of Ortonville. Resurface with 2 3/4" Bituminous Concrete. Contractor - Ann Arbor Construction Co.		
Project #197		
<u>Sashabaw Road</u>	2.0	29,387.00
Clarkston Road North 2.00 miles. Surface with a 2" Bituminous Aggregate Contractor - A. & A. Asphalt Paving Co.		
Project #198		
<u>Fourteen Mile Road</u>	2.00	80,000.00
Greenfield to Crooks in the City of Royal Oak and the City of Birmingham Widen existing pavement to 45' with cement concrete and curbs County share           50% Cities                   50%		

## Primary Roads - Continued

	<u>Miles</u>	<u>Estimated Cost</u>
Project #200-A		
<u>Greenfield Road</u>	0.25	\$ 19,409.00
Between 8 and 9 Mile Roads opposite Northland, Inc. Lengthen approach lanes to Northland entrances at various locations with 8" Cement Concrete County Share     50% Northland Inc.  50% Contractor - H. J. Brighton		
Project #200-B		
<u>Northwestern Highway</u>	0.25	13,937.00
Between 8 and 9 Mile Roads opposite Northland, Inc. lengthen approach lanes to Northland entrances at various locations with 8" cement concrete. County Share     50% Northland, Inc.  50% Contractor - H. J. Brighton		
Project #171		
<u>Nine Mile Road</u>	0.33	17,463.00
West City limits of the City of Ferndale to Livernois Road. Widen to 43' with curb and gutter. County Share     50% City of Ferndale  50%		
Project #210		
<u>Grange Hall Road</u>	2.2	31,925.00
Jossman Road west 2.2 miles Surface existing gravel with a 2" Bituminous Aggregate surface 20' wide Contractor - Ann Arbor Construction Co.		

## Primary Roads - Continued

	<u>Miles</u>	<u>Estimated Cost</u>
Project #212		
<u>Silver Bell Road</u>	2.5	\$ 23,345.00
M-24 to Adams Road		
Soil cement stabilization		
22' wide and a		
Bituminous Surface treatment		
Contractor - West Michigan Engineering Co.		
Project #213		
<u>Oak Street Extension</u>		5,700.00
Woodward to Hunter Boulevard		
In cooperation with City		
of Birmingham and Michigan State Highway Department		
Project #214		
<u>South Boulevard</u>	2.00	30,873.00
Rochester Road to Dequindre		
Grading, Drainage and Gravel Surface		

1956

## FEDERAL AID SECONDARY ROADS

	<u>Miles</u>	<u>Estimated Cost</u>
Project #192 - CS 6397      S 867 (1)		
<u>Wixom Road</u>	3.25	\$ 27,984.00

East limits of the Village  
of Milford to E½ Cor. Section  
24, Milford Township.

Surface existing gravel  
with 2" Bituminous Aggregate  
20 feet wide.

Contract awarded by Michigan  
State Highway Department

Contractor - Detroit Concrete Products Co.  
County Share

1956

## LOCAL ROAD CONSTRUCTION

	<u>Miles</u>	<u>Estimated Cost</u>
Project #207 and #207-A		
<u>Crescent Lake Road</u>	0.62	\$ 17,132.00
Pontiac Lake Road to Elizabeth Lake Road Grading Drainage		
Project #208		
<u>Crescent Lake Road</u>	1.01	19,289.00
M-59 to Hatchery Road Grading, Drainage, Gravel Surface Contractor - Lyman Girst		
Project #211		
<u>Scripps Road</u>	0.45	17,051.00
M-24 East to School Grade, drain, gravel base 21' wide 2" Bit. Agg. Surf. Cse. 20' wide Contractor - Charles Anderson		
Project #220		
<u>Ladd Road</u>	0.013	1,387.50
Center of Sec. 27, Commerce Township to South Limits Village of Wolverine Lake 2" Bit. Agg. Surf. Cse. 20' wide in cooperation with Village of Wolverine Lake County Share     50%		

1957

## PROPOSED CONSTRUCTION FEDERAL AID PROJECTS

	<u>Miles</u>	<u>Estimated Cost</u>
Project #222		
<u>Eleven Mile Road</u>	1.10	\$ 66,210.00
From Telegraph Road west to Nike Site Grade, Drain, gravel base and 2" Bit. Agg.		
Project #223		
<u>Dequindre Road</u>	7.17	172,800.00
From 14 Mile Road to M-59. Widen to 22 feet Recap with 2 3/4" Asphaltic Concrete		



1957

## PROPOSED CONSTRUCTION PRIMARY ROADS

	<u>Miles</u>	<u>Estimated Cost</u>
Project #224		
<u>Southfield Road</u>	0.5	
Lincoln to Fourteen Mile Road Widen 20 foot cement concrete to 33 feet with curbs. In cooperation with the City of Birmingham		
City of Birmingham	50% - \$17,700	
County of Oakland	50% - <u>17,700</u>	17,700.00
	\$35,400	
Project #201		
<u>Coolidge Highway</u>	1.00	
Ten to Eleven Mile Road Widen 20 feet - cement concrete to 44 feet wide. In cooperation with the Cities of Oak Park and Huntington Woods		
Cities Share	\$63,000	
County of Oakland	<u>63,000</u>	63,000.00
	\$126,000	
Project #203		
<u>Eleven Mile Road</u>	1.00	
Greenfield to Coolidge Widen 20 ft. cement concrete to 44 ft. wide in cooperation With Cities of Berkley and Oak Park		
Cities Share	50% \$62,000	
County Share	50% <u>62,000</u>	62,000.00
	\$124,000	
Project #225		
<u>Eleven Mile Road</u>	1.04	
Coolidge to Woodward Widen 20' cement concrete to 44' wide in cooperation with Cities of Huntington Woods and Berkley.		
Cities Share	\$ 83,608	
County Share	<u>\$115,385</u>	115,385.00
	\$198,993	

## Proposed Construction Primary Roads

	<u>Miles</u>	<u>Estimated Cost</u>
<b>Project #226</b>		
<u>John R Road</u>	2.16	
Ten Mile Road to Red Run Drain		
Widen 20' cement concrete		
to 44' -- A. C. Resurface		\$ 44,758.00
#1 sewer		26,640.00
#2 sewer		156,630.00
		<u>228,028.00</u>
	County Share-----	\$136,393.00
In cooperation with the City of Madison Heights.		
<b>Project #227</b>		
<u>10 Mile Road</u>	1.25	
Lennox to Dequindre Roads		
Widen existing pavement on		
south side with 12 ft. lane in		
cooperation with City of Hazel Park		
City Share	50%	\$29,500.00
County Share	50%	29,500.00-----
		29,500.00
		<u>\$59,000.00</u>
<b>Project #228</b>		
<u>9 Mile Road</u>	0.05	
Woodward to Hilton		
Widen to 44 ft. with cement concrete		
in cooperation with City of Ferndale		
City Share	50%	\$19,800.00
County Share	50%	19,800.00-----
		19,800.00
		<u>\$39,600.00</u>
<b>Project #233</b>		
<u>Crooks Road</u>	1.10	
Webster to Normandy		
Widen to 44 ft. with cement concrete		
In cooperation with City of Royal Oak		
City Share	50%	\$43,049.00
County Share	50%	43,049.00-----
		43,049.00
		<u>\$96,098.00</u>

## Proposed Construction Primary Roads

	<u>Miles</u>	<u>Estimated Cost</u>
Project #219		
<u>Lahser Road</u>	2.52	\$ 75,000.00
Long Lake Road to Maple 2 3/4" Asphaltic concrete recap.		
Project #218		
<u>Silver Lake Road</u>	0.60	15,000.00
U. S. 10 to Walton Boulevard Widen to 22 ft. Shoulder gravel 2 3/4" Asphaltic concrete recap.		
Project #195		
<u>Farmington Road</u>	2.00	60,000.00
10 Mile to 12 Mile Grade, drain, 23 ft. gravel surface		
Project #229		
<u>Grange Hall Road</u>	2.75	44,000.00
Jossman to M-15 2" Bit. Aggregate Surf. Cse. 20' wide-shoulder gravel		
Project #230		
<u>Silver Bell Road</u>	2.50	35,000.00
M-24 to Adams Road 2" Bituminous Agg. Surf. Cse. 20 ft. wide - shoulder gravel Contractor - A. & A. Asphalt Paving Co.		
Project #232		
<u>John R Road</u>	4.84	125,000.00
Red Run Drain to Wattles Road Widen to 22 ft. - 2 3/4" Asphaltic concrete recap. Contractor - A. & A. Asphalt Paving Co.		

## Proposed Construction Primary Roads

	<u>Miles</u>	<u>Estimated Cost</u>
Project #204		
<u>Coolidge Highway</u>	300 ft.	\$ 2,950.00
Webster Road to Judson Avenue Inc. Pave 7 crossovers with 2" Bituminous Aggregate		
Project #234		
<u>Adams Road</u>	2.88	46,000.00
Auburn Avenue - M-59 northerly to Crooks Road Grade, Drainage and Gravel Base		

Local Road improvements which are financed by Townships or on petition will be added to the construction program as these projects are definitely established.

Primary Road projects as outlined will be placed under contract as rapidly as engineering surveys and finances are available.

The following appointment by resolution was made by this Board subject to the approval of the Board of Supervisors:-

WHEREAS IT IS The opinion of this Board that the work of the Board is of sufficient volume to warrant and justify the appointment of a Secretary who shall be and act as Clerk of this Board and whose salary shall be paid by this Board from County Road Funds under the provisions of Section Nine of Chapter IV (County Road Law) of the General Highway Law, as last amended by Act 50 of the Public Acts of 1951 (See Supplement and Section 224.9 as so amended, Compiled Laws of 1948).

NOW THEREFORE BE IT RESOLVED:

1. That in the opinion of this Board its work is of sufficient volume to warrant and justify the appointment of a Secretary who shall be and act as Clerk of the Board.
2. That William R. Carrigan be and he is hereby appointed as Secretary of this Board, subject to the approval of the Board of Supervisors as in said Section Nine as amended provided, such appointment to continue subject to the discretion of this Board.
3. That the salary of said Secretary shall be paid from County Road Funds.
4. That this resolution is adopted under the provisions of C.L. 1948, Section 224.9 as last amended as referred to in paragraph A hereof.

MOTION CARRIED.

The financial report of this Commission follows, covering our operations during the year 1956.

Respectfully submitted,

BOARD OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN

By Sol D. Lomerson  
Chairman

By Robert O. Felt  
Member

By Lee O. Brooks  
Member

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## BALANCE SHEET

December 31, 1956

ASSETSGeneral Operating Fund

County Treasurer's Cash Account		533,672.40	
Imprest Cash - Office		150.00	
Payroll - Bank Account		1,000.00	
Accounts Receivable:			
State Trunk Line Maintenance		73,448.58	
State Highway Dept. - Other		8,587.55	
Due on County Road Agreements		89,741.07	
Sundry Accounts		27,841.49	
Inventories:			
Equipment Materials & Parts-Indirect		96,309.34	
Road Materials - Indirect		139,853.92	
Prepaid Insurance		45,583.08	
Advance-Federal Aid Secondary		<u>21,099.37</u>	
Total General Operating Fund			1,037,286.80

Fixed Asset Fund

Land and Improvements			126,343.51
Buildings	738,181.56		
Less Reserve for Depreciation	<u>131,910.85</u>	606,270.71	
Equipment - Road	<u>1,638,063.73</u>		
Less Reserve for Depreciation	<u>1,051,811.82</u>	586,251.91	
Equipment - Shop	32,030.47		
Less Reserve for Depreciation	<u>19,175.05</u>	12,855.42	
Equipment - Office	40,989.79		
Less Reserve for Depreciation	<u>22,037.89</u>	18,951.90	
Equipment - Engineers	5,415.29		
Less Reserve for Depreciation	<u>3,338.28</u>	2,077.01	
Depletable Assets	85,294.64		
Less Reserve for Depletion	<u>73,700.91</u>	<u>11,593.73</u>	
Total Fixed Assets			1,364,344.19

Amount to be Provided for Retirement of Bonds	226,250.00
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Amount to be Provided for Retirement of Long Term Notes	<u>60,000.00</u>
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Total	<u>286,250.00</u>
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Total Assets	<u><u>2,687,880.99</u></u>
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## Balance Sheet - Continued

## LIABILITIES, RESERVES AND FUND EQUITIES

Liabilities and Fund Equity

Accounts Payable	162,388.20	
Work Orders in Progress	29,538.70	
Accrued Liabilities	31,035.01	
Advances - Townships	10,723.51	
Fund Equities	<u>803,596.38</u>	
Total Liabilities and Fund Equity		1,037,286.80
Plant and Equipment Equity		1,364,344.19
Bonds and Long Term Notes Payable		<u>286,250.00</u>
Total Liabilities, Reserves & Fund Equities		<u><u>2,687,880.99</u></u>



## SUMMARY SHEET

COUNTY HIGHWAY RECEIPTSRevenue Receipts

## State Funds

Motor Vehicle Highway Funds	3,155,569.16	
Highway Construction Funds	<u>323,574.83</u>	
Total State Funds		3,479,143.99
County Raised Revenues		407,177.78
Miscellaneous Receipts		<u>183,676.05</u>
Total Revenue Receipts		<u>4,069,997.82</u>

Other Receipt Items

Accounts Receivable	442,782.11	
Gravel from Depleted Pits	<u>1,158.20</u>	
Total of Other Receipt Items		443,940.31
Decrease or Increase of County Road Agreements		33,461.60-
County Road Commission Fund Balances 1-1-56		<u>629,948.60</u>
Grand Total		<u><u>5,110,425.13</u></u>

COUNTY HIGHWAY EXPENDITURES

Construction	1,188,548.37	
Maintenance	2,256,933.39	
Equipment Account	13,459.89	
Inventory Account	38,651.66	
Interest	1,800.00	
Administration	<u>128,416.76</u>	
Total		3,627,810.07

NON-OPERATING EXPENDITURES

Reimbursable Expenditures	412,978.78	
Capital Outlay	307,623.80	
Long Term Debt Payments	<u>75,000.00</u>	
Total		795,602.58
Increase or Decrease in Prepaid Insurance		1,228.81
Increase or Decrease in Liability Accounts		129,861.90
County Road Commission Fund Balances 12-31-56		<u>555,921.77</u>
Grand Total		<u><u>5,110,425.13</u></u>

## COUNTY HIGHWAY RECEIPTS

REVENUE RECEIPTS

State Funds			
Engineering Services			
Primary Road Fund	4,125.00		
Local	<u>875.00</u>		
Total Engineering Services			5,000.00
County Primary Road Fund			
Amount of Allocation	2,612,452.97		
75% of Deduction for Loan Payment	<u>14,932.14</u>		
Net Receipts for Primary Roads			2,597,520.83
County Local Road Fund			
Amount of Allocation	558,025.69		
25% of Deduction for Loan Payment	<u>4,977.36</u>		
Net Receipts for Local Roads			<u>553,048.33</u>
Total Motor Vehicle Highway Funds			3,155,569.16
Highway Construction Fund, Act 87, P.A. 1955			<u>323,574.83</u>
Total Net State Raised Revenues			<u>3,479,143.99</u>
County Raised Revenues			
Property Taxes		35.55	
Appropriations by Board of Supervisors		50,000.00	
Township Contributions (Schedule A)		161,625.24	
Other Contributions		<u>195,516.99</u>	
Total County Raised Revenue			407,177.78
Miscellaneous Receipts			
Salvage Sales		1,881.66	
Interest Earned		2,005.56	
Sundry Refunds		20,281.73	
Sale of Maps		507.10	
**** Sale of Property		<u>159,000.00</u>	
Total Miscellaneous Receipts			<u>183,676.05</u>
Total Revenue Receipts			4,069,997.82

## \* Note:

Sale of Property to State	\$159,000.00
Allowance for moving and applied on Cost of Moving	<u>5,000.00</u>
Total Amount Paid by State	164,000.00

## COUNTY HIGHWAY RECEIPTS

NON - REVENUE ITEMS

Accounts Receivable		
State Trunk Line Maintenance	321,013.44	
Other State Highway Department	23,086.24	
Sundry Accounts Receivable	<u>98,682.43</u>	
Total Receipts from Accounts Receivable		442,782.11
Gravel from Depleted Pits		<u>1,158.20</u>
Non-Revenue Items - Total		<u>443,940.31</u>
Total of Receipts		4,513,938.13
Decrease or Increase on County Road Agreements		<u>33,461.60-</u>
Total of Cash Receipts		4,480,476.53
Balance on Hand at the Beginning of Year		
County Treasurer's Cash Account	628,798.60	
Imprest Cash - Office	150.00	
Payroll Bank Account	<u>1,000.00</u>	
Total Cash		<u>629,948.60</u>
Total at Beginning of Year		<u>629,948.60</u>
Total of All Funds		<u><u>5,110,425.13</u></u>

## COUNTY HIGHWAY EXPENDITURES

	<u>Primary Road System</u>	<u>Local Road System</u>	
<u>OPERATING EXPENDITURES</u>			
Construction (All Costs except Administration)			
Roads	1,089,675.33	72,168.55	
Bridges		<u>26,704.49</u>	
Total Construction Expenditures	<u>1,089,675.33</u>	98,873.04	1,188,548.37
Maintenance (All Costs Except Adm.)			
General Maintenance Roads	832,938.73	656,999.66	
General Maintenance Structures	316.95		
Snow-Removal, Ice Control, Snow Fence	174,985.12	75,318.42	
Traffic Control, (Signs, Signals, etc.)	86,445.28	25,615.13	
Vacations, Sick Leave & Benefits	108,999.25	54,533.86	
Other Distributive Expense	<u>154,399.50</u>	<u>86,381.49</u>	
Total Maintenance Expenditures	1,358,084.83	898,848.56	2,256,933.39
Equipment Account - Expense			
Direct Maintenance	508,138.70		
Indirect and Storage	109,105.22		
Operating	<u>111,547.85</u>		
Total Equipment Expense		728,791.77	
Credits to Equipment Account - (Equipment Rental)			
Charges to County Construction and Maintenance Projects	549,245.32		
Charges to Inventory Operations	25,443.32		
Charges to State Highway Department Accounts	74,533.77		
Charges to Other Reimbursable Accounts	<u>66,109.47</u>		
Total Credits to Equipment Account		<u>715,331.88</u>	
Net Debit or Credit to Equipment Account			13,459.89
Material Expenditures (Inventory)			
Equipment Materials and Parts-Indirect	216,838.39		
Equipment Materials and Parts-Direct	101,591.14		
Road Materials - Indirect	411,905.80		
Road Materials - Direct	<u>275,263.44</u>		
Total Material Expenditures		1,005,598.77	

## OPERATING EXPENDITURES - Continued

Credits to Material Accounts			
Charges to County Construction and Maintenance Projects		546,299.21	
Charges to Equipment Accounts		288,769.67	
Charges to State Highway Accounts		15,551.57	
Charges to Other Reimbursable Accounts		131,455.44	
Inventory Adjustment		<u>15,128.78-</u>	
Total Credits to Material Accounts			<u>966,947.11</u>
Net Increase or Decrease in Material Inventory			38,651.66
	<u>Primary</u>	<u>Local</u>	<u>Total</u>
Interest Expense			
Other Interest			<u>1,800.00</u>
Total Interest Payments			1,800.00
Administrative Expense (Schedule B)			161,338.60
Credits to Administrative Accounts			
Handling Charges on Materials Sold		7,900.82	
Overhead-State Trunkline Maintenance		20,281.16	
Purchase Discounts		<u>4,739.86</u>	
Total Credits to Administration			<u>32,921.84</u>
Net Administrative Expense			<u>128,416.76</u>
Administration Proration-Primary System	107,974.16		
Local System	20,442.60		
Total Operating Expenditures			3,627,810.07
<u>NON - EXPENSE DEBITS</u>			
Reimbursable Expenditures (All Costs Including Overhead)			
State Trunkline Maintenance Contract		314,392.05	
State Highway Department - Other		25,356.21	
Other		<u>73,230.52</u>	
Total Reimbursable Expenditures			412,978.78
Capital Outlay			
Land and Improvements		43,170.33	
Buildings		317,447.42	
Equipment		<u>138,364.04</u>	498,981.79
Trade-in Allowance		25,949.79	
Depreciation and Depletion		<u>165,408.20</u>	
Total Non-Revenue Credits			<u>191,357.99</u>
Net Capital Outlay Expenditures			307,623.80

OPERATING EXPENDITURES - Continued

NON-EXPENSE DEBITS			
	<u>Primary</u>	<u>Local</u>	<u>Total</u>
Long Term Debt Payments			
Roads and Bridges	75,000.00		<u>75,000.00</u>
Total Long Term Debt Payments			<u>75,000.00</u>
Total Non-Expense Debits			<u>795,602.58</u>
Total Expenditures			4,423,412.65
Increase or Decrease Prepaid Insurance			1,228.81
Increase or Decrease in Liability Accounts			
Accounts Payable			117,392.30
Work Orders in Progress			36,608.15-
Accrued Liabilities			51,363.91
Advances - Townships and Others			<u>2,286.16-</u>
Total Increase or Decrease in Liability Accounts			<u>129,861.90</u>
Total of Cash Disbursements			4,554,503.36
Balances at the End of Year			
County Treasurer's Cash Account		533,672.40	
Imprest Cash-Office		150.00	
Payroll Bank Account		<u>1,000.00</u>	
Total Cash			534,822.40
Advance Federal Aid Secondary			<u>21,099.37</u>
Total			<u>555,921.77</u>
Total of Cash Disbursements and Unexpended Balances			<u><u>5,110,425.13</u></u>

## Schedule - A

## Township Participation by Townships

<u>Township</u>	<u>Cash Contributed</u>	<u>Due on County Road Agreements</u>	<u>Total Contribution</u>
Addison		583.52	583.52
Avon	589.13	8,149.99	8,739.12
Bloomfield	760.00	522.57	1,282.57
Brandon	42.42	1,337.00	1,379.42
Commerce	18,086.23		18,086.23
Farmington	12,460.06		12,460.06
Groveland		2,733.55	2,733.55
Independence	4,498.02	856.53	5,354.55
Milford	540.76		540.76
Novi	307.90	1,520.48	1,828.38
Oakland	2,887.53		2,887.53
Orion	18,951.65		18,951.65
Pontiac	2,982.89	3,215.02	6,197.91
Royal Oak	17.61		17.61
Southfield	459.55	84.70	544.25
Springfield	4.50		4.50
Waterford	23,319.28	47,346.47	70,665.75
West Bloomfield	2,690.02	4,517.74	7,207.76
White Lake	<u>2,031.07</u>	<u>129.05</u>	<u>2,160.12</u>
Total	<u>90,628.62</u>	<u>70,996.62</u>	<u>161,625.24</u>

## Schedule B

## Administrative Expense

Account #8500

Commissioner Salaries	16,084.90
Administrative Salaries	109,572.03
Postage	541.49
Telephone and Telegraph	2,844.65
Travelling Expenses	619.74
Office Supplies	7,315.52
Office Building Expense	7,520.73
Office Equipment Expense	1,347.03
Office Equipment Depreciation	3,774.48
*Other - Itemize	<u>11,718.03</u>
 Total Administrative Expense	 <u><u>161,338.60</u></u>

## \*Other Expense

Insurance - Compensation	328.58
Retirement	
Commissioners	1,140.00
Administrative Employees	7,888.52
County Road Association Dues	1,500.00
Damage Claims	155.80
Classification and Salary Plan for	
Administrative Employees	649.43
Blue Water Highway Association Dues	10.00
Abstract, Title, etc.	35.85
Rental of Folding Chairs	<u>9.85</u>
	<u><u>11,718.03</u></u>



## Schedule C

## DISTRIBUTIVE EXPENSE

Account #8000

Vacation and Sick Leave	119,836.60	
Compensation Insurance	25,828.30	
Retirement (Including Social Security)	76,795.39	
Hospitalization Insurance	13,992.80	
Life and Accident Insurance	<u>8,128.78</u>	
Sub-Total (Fringe Benefits)		244,581.87
Small Road Tools	12,627.99	
Inventory Adjustments	15,128.78-	
Other Distributive Expense	<u>243,676.08</u>	
Sub-Total (Other)		<u>241,175.29</u>
Total of Distributive Expense		<u><u>485,757.16</u></u>

Proration

	<u>Fringe Benefits</u>	<u>Other</u>	<u>Total</u>
Construction	21,237.28		21,237.28
Maintenance	164,073.80	241,175.29	405,249.09
Material Accounts	4,796.37		4,796.37
Equipment-Expense	21,141.94		21,141.94
Administration	875.53		875.53
Reimbursable Expenditures	<u>32,456.95</u>		<u>32,456.95</u>
Total Proration	244,581.87	241,175.29	485,757.16

Reconcilment of Restricted State Funds  
by Road Systems

Primary Road System

Receipts and Unexpended Balances

Motor Vehicle Highway Funds		
Engineering	4,125.00	
Primary Road Fund (Net)	2,597,520.83	
Highway Construction Fund	<u>323,574.83</u>	
Total		<u><u>2,925,220.66</u></u>

Expenditures and Unexpended Balances

Administration	107,974.16	
Construction	1,089,675.33	
Maintenance	1,358,084.83	
Advance - F.A.S.	21,099.37	
Debt Service Disbursements	75,000.00	
Advances to Other Funds	<u>361,535.35</u>	
Total		<u><u>3,013,369.04</u></u>

Local Road System

Receipts and Unexpended Balances

Motor Vehicle Highway Funds		
Engineering	875.00	
Local Road Fund (Net)	<u>553,048.33</u>	
Total		<u><u>553,923.33</u></u>

Expenditures and Unexpended Balances

Administration	20,442.60	
Construction	98,873.04	
Maintenance	<u>898,848.56</u>	
Total		<u><u>1,018,164.20</u></u>

## Financial Report - Continued

## County Primary Road Construction

<u>Project No.</u>	<u>Road</u>	<u>Amount</u>
144	Twelve Mile	140.58
145	West Long Lake	42,421.71
147	Stobart - Hickory Ridge	6.73
160	John R	10.50
163	West Maple	40.08
165	Livernois	74,627.80
171	Nine Mile	17,463.36
176	South Fenton	56,346.21
182	West Long Lake	3,611.21
188	Ten Mile	169,382.21
189	Thirteen Mile	215,070.87
190	Lahser	164,506.08
191	Quarton	2,170.04
192	Wixom	6,887.42
193	Hadley	15,031.06
194	Parkdale	20,837.88
195	Farmington	3,726.06
196	South Church and Mill	28,353.84
197	Sashabaw	29,506.17
198	Fourteen Mile	80,000.00
200A	Greenfield	19,409.46
200B	Northwestern	13,937.72
210	Grange Hall	32,040.35
212	Silver Bell	23,957.22
213	Oak Street - Birmingham	5,700.00
214	South Boulevard - Rochester	33,691.72
215	Hickory Ridge	16,154.62
218	Silver Lake	210.95
221	Andersonville	3,034.78
222	Eleven Mile	175.50
226	John R	11,223.20
Total Primary Road Construction		<u>1,089,675.33</u>

## Financial Report - Continued

Local Road Construction

<u>Project No.</u>	<u>Road</u>	<u>Amount</u>
186	Tuttle Drain - Waterford	13,158.13
205	Foxchase - Bloomfield	598.51
206	Coolidge - Troy	713.79
207	Crescent Lake - Waterford	17,132.31
208	Crescent Lake - Waterford	19,289.63
211	Script - Orion	17,051.39
220	Ladd - Commerce	1,387.50
		<u>69,331.26</u>
Work Order 431	Crescent Lake at M-59 - Waterford	2,837.29
Total - Local Road Construction		<u><u>72,168.55</u></u>

Local Road Structures Construction

<u>Work Order No.</u>	<u>Bridge - Road</u>	<u>Amount</u>
285	Coats Road - Oxford	3,434.20
286	Granger Road - Oxford	1,054.21
286	Granger Road - Oxford	2,108.42
287	Crescent Lake Road - Waterford	8,017.51
288	Mann Road - Waterford	5,952.83
289	Winkler Road - Oakland	1,266.76
290	Davisburg Road - Rose	2,814.97
591	Pine Knobb Road - Independence	1,382.65
655	Winkler Road - Oakland	132.18
530	Buno Road - Milford	540.76
		<u>26,704.49</u>
Total Local Road Structures Construction		<u><u>26,704.49</u></u>

## Maintenance of Primary Road Structures

No. 01-31	Addison Township	<u><u>316.95</u></u>
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## COUNTY PRIMARY ROAD MAINTENANCE

Concrete Roads

Patching	80,826.89
Shoulders and Side Approaches	40,843.41
Roadside and Drainage	90,879.24
Traffic Service	50,933.84
Snow and Ice Control	64,039.34
Municipal Contracts	16,368.31
Vacations, Sick Leave and Benefits	33,196.85
Distributive Expense	48,438.67
Engineering	<u>441.48</u>

425,968.03

Bituminous Roads

Patching	111,598.34
Resurfacing	46,187.14
Shoulders and Side Approaches	8,931.89
Roadside and Drainage	123,277.69
Traffic Service	26,305.60
Snow and Ice Control	81,130.32
Vacations, Sick Leave and Benefits	42,993.99
Distributive Expense	56,539.70
Engineering	<u>232.62</u>

497,197.29

Gravel Roads

Patching	88,361.15
Resurfacing	19,487.23
Dragging	56,612.21
Shoulders and Side Approaches	3,006.37
Roadside and Drainage	84,818.55
Traffic Service	9,205.84
Snow and Ice Control	29,815.46
Dust Palliatives	54,398.47
Vacations, Sick Leave and Benefits	32,808.41
Distributive Expense	49,421.13
Engineering	<u>6,667.74</u>

434,602.56

Total Primary Road Maintenance

1,357,767.88

## LOCAL ROAD MAINTENANCE

Township	Total	Engineering	General Highway Maintenance	Traffic Service	Snow and Ice Control	Vacations Sick Leave and Benefits
Addison	13,942.07		10,237.76	270.80	2,307.44	1,126.07
Avon	59,543.09	1,217.42	50,955.87	953.09	2,980.13	3,436.58
Bloomfield	70,935.42	3,008.96	57,452.23	1,698.49	4,720.16	4,055.58
Brandon	16,179.45	121.98	11,491.63	166.52	3,246.48	1,152.84
Commerce	44,261.07	66.70	36,948.45	373.90	4,001.94	2,870.08
Farmington	76,233.97	1,365.62	66,523.68	1,946.43	2,603.05	3,795.19
Groveland	12,674.42	142.16	8,381.95	267.16	3,052.32	830.83
Highland	23,436.75	147.40	18,365.88	234.77	3,137.84	1,550.86
Holly	12,932.10		9,158.18	115.00	2,690.27	968.65
Independence	29,683.32	1,261.45	21,122.25	1,346.78	3,541.24	2,411.60
Lyon	13,235.40	453.41	9,674.59	192.40	1,967.00	948.00
Milford	13,671.16	101.16	10,059.27	133.41	2,444.95	932.37
Novi	26,644.45	778.50	21,277.19	749.28	2,180.92	1,658.56
Oakland	19,707.49		15,190.45	173.59	2,748.16	1,595.29
Orion	34,410.73	296.74	27,412.27	592.80	3,661.49	2,447.43
Oxford	18,479.67		14,692.75	170.86	2,186.02	1,430.04
Pontiac	29,295.49	50.50	19,648.29	5,458.71	2,316.27	1,821.72
Rose	15,865.81		11,235.60	240.21	3,117.50	1,272.50
Royal Oak	3,625.49	304.61	3,034.36	58.51		228.01
Southfield	98,452.18	2,491.67	86,196.06	2,564.38	1,906.34	5,293.73
Springfield	18,622.21	84.72	12,996.40	102.54	4,114.54	1,324.01
Troy	3,127.27	325.08	2,407.15	248.41	61.70	84.93
Waterford	147,631.98	2,839.57	127,837.70	2,949.37	6,813.31	7,192.03
W. Bloomfield	60,128.71	317.12	49,293.77	1,894.94	4,829.28	3,793.60
White Lake	36,128.86		26,412.65	2,712.78	4,690.07	2,313.36
<b>TOTALS</b>	<b>898,848.56</b>	<b>15,374.77</b>	<b>728,006.38</b>	<b>25,615.13</b>	<b>75,318.42</b>	<b>54,533.86</b>

STATEMENT OF ESTIMATED REVENUE AND EXPENDITURES  
and ACTUAL REVENUE AND EXPENDITURES FOR THE YEAR 1956

<u>INCOME</u>	<u>ESTIMATED</u>	<u>ACTUAL</u>	<u>UNDER-OVER ESTIMATE</u>
Motor Vehicle Money - Net	3,080,091.00	3,155,569.16	75,478.16
Highway Construction Money	330,000.00	323,574.83	6,425.17-
County Raised Revenue	50,000.00	50,000.00	
Delinquent Taxes		35.55	35.55
Township Contributions		161,625.24	161,625.24
Other Contributions		195,516.99	195,516.99
**Sale of Property		159,000.00	159,000.00
Miscellaneous Receipts		24,676.05	24,676.05
Totals	<u>3,460,091.00</u>	<u>4,069,997.82</u>	<u>609,906.82</u>
<u>EXPENDITURES</u>			
Construction			
Primary Roads	1,023,291.00	1,089,675.33	66,384.33
Local Road and Bridges		98,873.04	98,873.04
Maintenance			
Primary Roads	1,350,000.00	1,358,084.83	8,084.83
Local Roads	640,000.00	898,848.56	258,848.56
Equipment	100,000.00	112,414.25	12,414.25
Administrative Expense - Net	155,000.00	128,416.76	26,583.24-
Buildings	15,000.00	15,000.00	
Payments on Bonds, Notes and Interest	76,800.00	76,800.00	
Reserve for Building Fund	100,000.00	80,080.45	19,919.55-
Totals	<u>3,460,091.00</u>	<u>3,858,193.22</u>	<u>398,102.22</u>
New Buildings and Grounds from Reserve Balance 12/31/55 and Sale of Property		295,599.35	295,599.35
Advance - Federal Aid Job		21,099.37	21,099.37
Net Increase in Prepaid, Liability and Inventory Accounts		9,767.92-	9,767.92-
	<u>3,460,091.00</u>	<u>4,165,124.02</u>	<u>705,033.02</u>
Expenditures Over Income		95,126.20-	95,126.20-
	<u>3,460,091.00</u>	<u>4,069,997.82</u>	<u>609,906.82</u>

## \*\*Note:

Sale of Property to State	\$159,000.00
Allowance for Moving and Applied on Cost of Moving	<u>5,000.00</u>
Total Amount Paid by State	164,000.00

## OAKLAND COUNTY ROAD COMMISSION

## ESTIMATED LOCAL ROAD BUDGET FOR YEAR 1957

Townships	65% "C" Mileage		35% Population		Total
	Mileage	Amount	Population	Amount	Budget
Addison	45.65	8,834.53	900	1,473.25	10,307.78
Avon	111.00	21,478.88	8,903	14,573.36	36,052.24
Bloomfield	156.87	30,354.91	3,851	6,303.74	36,658.65
Brandon	52.23	10,106.65	1,447	2,368.64	12,475.29
Commerce	63.31	12,250.67	7,421	12,147.39	24,398.06
Farmington	142.89	27,649.44	11,224	18,372.61	46,022.05
Groveland	41.49	8,028.76	981	1,605.84	9,634.60
Highland	61.39	11,879.15	2,944	4,819.07	16,698.22
Holly	41.48	8,026.50	1,367	2,237.68	10,264.18
Independence	73.02	14,129.60	3,448	5,644.10	19,773.70
Lyon	39.50	7,643.36	1,647	2,696.01	10,339.37
Milford	41.66	8,061.32	1,065	1,743.34	9,804.66
Novi	67.40	13,042.12	3,827	6,264.46	19,306.58
Oakland	49.69	9,615.15	1,343	2,198.40	11,813.55
Orion	71.30	13,796.78	4,780	7,824.42	21,621.20
Oxford	47.30	9,152.68	1,837	3,007.03	12,159.71
Pontiac	43.51	8,419.30	6,169	10,098.08	18,517.38
Rose	57.61	11,147.72	1,105	1,808.82	12,956.54
Royal Oak	12.34	2,387.79	4,716	7,719.66	10,107.45
Southfield	167.12	32,338.33	14,197	23,239.10	55,577.43
Springfield	57.27	11,081.91	1,825	2,987.38	14,069.29
Waterford	217.15	42,019.41	24,316	39,802.90	81,822.31
West Bloomfield	135.68	26,254.66	5,534	9,058.65	35,313.31
White Lake	73.10	14,145.20	4,182	6,845.59	20,990.79
Totals	1,869.96	361,844.82	119,029	194,839.52	556,684.34
Average	193.50 Per Mi.		1.6369 Per Unit		



TENTATIVE BUDGET 1957  
ANTICIPATED REVENUES AND EXPENDITURES

Estimated Revenue

1951-Act 51 Motor Vehicle Fund		\$3,150,000.00
1955-Act 87 Construction Fund		<u>320,000.00</u>
Total		\$3,470,000.00

Less Loans Payable

Act 43 P.A. 1943	\$60,900.00	
Act 205 P.A. 1941	90,000.00	
Act 205 P.A. 1941	<u>15,000.00</u>	
		<u>165,900.00</u>
		\$3,304,100.00

Appropriation by Board of Supervisors		<u>50,000.00</u>
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Total Estimated Available Funds		\$3,354,100.00
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Estimated Expenditures

Maintenance

Primary Roads		\$1,400,000.00
Local Roads		<u>560,000.00</u>
		\$1,960,000.00

Other Expense

Buildings	\$	15,000.00
Equipment		100,000.00
Administration		175,000.00
Reserve - New Buildings		100,000.00
Construction		
Primary		934,100.00
Local		<u>70,000.00</u>
		<u>\$1,394,100.00</u>
		\$3,354,100.00

*Property of*  
OAKLAND COUNTY  
PLANNING COMMISSION  
1 Lafayette Street  
PONTIAC, MICHIGAN

April 1, 1956

TO THE HONORABLE BOARD OF SUPERVISORS  
OF THE COUNTY OF OAKLAND, MICHIGAN

Gentlemen:

Your Board of County Road Commissioners in compliance with the statutes relating thereto, takes pleasure in submitting for your approval our Forty-Third Annual Report of the work of this department for the period January 1, 1955, to December 31, 1955.

NEW GARAGE AND OFFICE BUILDINGS

This Commission has under construction a portion of our new buildings on the county service center site. The contract was awarded to the Campbell Construction Company as low bidder in the sum of \$270,535.00 or approximately \$6.00 per square foot. These buildings will be ready for occupancy in the spring.

Plans are in progress for the construction in 1956 of an office building and a building to house a paint shop, electrical laboratory, engineering laboratory and sign letter shop. The funds for this construction will be available from an established building fund and the sale of present buildings.

The construction of water lines, steam lines and sewer lines have been completed as well as considerable grading of the yard and tank foundations.

FARMINGTON - BRIGHTON EXPRESSWAY

The Farmington - Brighton Expressway extending from U. S. -23 in Livingston County and paralleling U. S. - 16 easterly to a point on U. S. -16 about 1 mile southeast of Middle Belt Road in Oakland County is underway. There are several of the bridge structures under construction with other work being placed under contract as rapidly as plans are completed. This Expressway

is under the jurisdiction of the State Highway Department. The total cost of the project is estimated at \$11,000,000 of which Oakland County participated to the extent of \$300,000 payable from motor vehicle funds in 20 equal annual installments. The Huron Clinton Metropolitan Authority paid to the County \$40,000 for its share of a grade separation at Kent Lake. This money was transferred to the Fiscal Agent in charge of a \$5,000,000 Bond Issue covering the project.

HIGHWAY NEEDS STUDY

Highway needs for Oakland County as projected by a highway study committee of the State Legislature indicated that county primary roads requires a maximum expenditure of \$130,000,000 over the next 20 year period. This divided into yearly expenditures of \$6,464,000 per year. The Local Road System of the County also requires an annual expenditure of \$5,043,000 per year for the next 20 years to bring these roads up to a standard for traffic needs during the period. There has not been devised any means for financing this huge program by the Legislature.

EIGHT MILE ROAD

Wayne and Oakland Counties have joined through their respective Boards of County Road Commissioners to lay out, open and establish 8 Mile Road (a county line road) extending from a point near Taft Road to Griswold Street near Village of Northville according to Section 17 of Chapter IV of Act #283 of the Public Acts as amended. Due to topographic and geographic conditions the right of way for this 1.47 miles of highway will extend North of the county line in Oakland County. Right of way is now being acquired for future construction.

## COUNTY ROAD MAINTENANCE

The expense of maintaining county roads has increased due to the added cost of labor, materials and equipment. Traffic conditions brought about by a large volume of new homes and industrial buildings in this county and surrounding area has also required additional maintenance of highways. Primary County Roads as indicated in our construction program are gradually being improved as to line, grade, drainage and surface. This Commission have also participated in the widening and other improvements of Primary roads in the Cities of Royal Oak, Clawson, Oak Park, Ferndale and Hazel Park all of which are an aid to traffic. Local roads have been maintained to the extent of funds available under Act 51 of the P. A. of 1951 supplemented by contributions from Townships.

Maintenance of County Primary roads cost \$1,402,530.20 including labor, material, equipment rental, overhead and distributive expense, or an average of \$2,000.95 per mile.

The Cities of Hazel Park, Oak Park, Ferndale and Berkley maintained Primary Roads during 1955 within their respective city limits under an agreement with this Commission.

Maintenance of County Local Roads cost \$861,691.01 including labor, material, equipment rental, overhead and distributive expense, or an average of \$478.95 per mile. These cost figures include sale of culvert pipe, calcium chloride brine as a dust layer, and contribution by Townships.

State trunk line highways in Oakland County are being maintained by this Commission under contract with the State Highway Commissioner for the fiscal year July 1, 1955, to June 30, 1956. This contract amounts to \$424,141.00 or an average of \$2,244.36 per mile.

New subdivision street mileage added to our county local road system in 1955 amounted to 124.04 miles. The incorporation of the Cities of Keego Harbor, Madison Heights, Troy and the Village of Bingham Farms reduced the local road mileage by 134.77 miles.

MILEAGE OF ROADS  
in  
1955

STATE TRUNK LINE HIGHWAYS

<u>Surface Type</u>	<u>Miles</u>	<u>Total Miles</u>
Surface Treated Gravel	12.80	
Mixed Bituminous - Gravel Base	19.06	
Mixed Bituminous - Concrete Base	83.43	
Cement Concrete	<u>73.69</u>	
		188.98

PRIMARY COUNTY ROADS

Surface Treated Gravel	53.60	
Gravel Surface	203.52	
Mixed Bituminous - Gravel Base	177.55	
Mixed Bituminous - Concrete Base	165.25	
Cement Concrete	<u>101.00</u>	
		700.93

LOCAL COUNTY ROADS

Surface Treated Gravel	27.40	
Gravel Surface	1739.54	
Mixed Bituminous - Gravel Base	30.74	
Cement Concrete	<u>1.45</u>	
		<u>1799.13</u>
TOTAL MILES		2689.04

Following is a composite report of the weight and permit department concerning trucking activities on County Roads for the year 1955.

Vehicles stopped and examined		830
Warning violations issued		130
Total amount of actual violations		206
a. Scattering and littering highways	11	
b. Excessive speeding	21	
c. Posted roads during restrictions	44	
d. Vehicles traveling without permits	7	
e. Defective safety equipment	20	
f. Overweight violations	103	
Total amount in fines	\$8,749.80	
Total amount in court costs	<u>2,148.00</u>	
GRAND TOTAL	\$10,897.80	

There were 34 cases of debris dumped on public roads investigated. Warrants were served from various justice courts and violators were made to clean up such messes and in some cases were fined by the court.

66 requests were granted to weigh and examine vehicles to determine legal axle loads allowed on county roads.

Numerous complaints were investigated at the request of the State Highway Department and Michigan State Police concerning illegal vending on county and State road right of ways, the majority of these were on weekends and holidays.

We escorted eight special moves of extra large equipment where ordinary permits might cause safety hazards or impair the normal flow of traffic.

A program was started this past year at the request of the Prosecutor's office to inspect trucks operating on county roads as to the condition of their safety equipment and safety devices.

This practice was put into effect and numerous spot checks were made throughout the county and literature was sent to the various trucking concerns informing them of this program.

A number of accidents involving trucks were investigated at the Prosecutor's request to determine if defective equipment was responsible for said accidents.

The direction of posting and closing roads during the spring restrictions is done by this department by authorization of the Commission.

Many complaints of excessive dust caused by trucks were investigated and violators ordered to control and maintain such routes or forfeit their bonds and permits to operate in said areas.

There were 7,067 special permits issued covering the moving of extra large equipment on county roads.

The following listed material was used during 1955 and charged out of our County Stock:

Liquid Calcium Chloride.....	2,887,257 gals.
Flake - Calcium Chloride (100# Sacks).....	7,203 sacks
Rock Bulk Salt.....	5,741 tons
Bituminous Material:	
AE-3A.....	273,684 gals.
AE-150.....	377,177 gals.
Tar:	
T-3.....	1,980 gals.
T-10.....	1,550 gals.
T-12.....	212,683 gals.

PLAIN CONCRETE PIPE

10".....	810 feet
12".....	4,674 feet
15".....	1,197 feet
18".....	<u>480 feet</u>
	7,161 feet

REINFORCED CONCRETE PIPE

12".....	3,468 feet
15".....	276 feet
18".....	<u>284 feet</u>
	4,028 feet



CORRUGATED METAL PIPE

8" x 6'	42 feet
8" x 12'	60 feet
8" x 18'	306 feet
10" x 6'	120 feet
10" x 12'	516 feet
10" x 18'	1,440 feet
12" x 6'	618 feet
12" x 12'	2,904 feet
12" x 18'	28,458 feet
15" x 6'	60 feet
15" x 12'	204 feet
15" x 18'	846 feet
18" x 6'	78 feet
18" x 12'	228 feet
18" x 18'	1,188 feet
24" x 6'	54 feet
24" x 12'	108 feet
24" x 18'	684 feet
30" x 6'	12 feet
30" x 18'	36 feet
36" x 12'	60 feet
36" x 18'	18 feet
42" x 18'	18 feet
48" x 12'	<u>24 feet</u>
	38,082 feet

## Pavement Marking Paint:

White Paint.....	1,600 gals.
Yellow Paint.....	1,800 gals.

REMOVAL OF DUTCH ELM DISEASED TREES

During the year of 1955, we removed 179 elm trees which were infected with the above mentioned disease or were condemned as breeding places for the beetles. In 1954 we removed 80 trees, so this is a 124% increase over 1954 and 1500% over 1953 when only 11 diseased trees were removed. If this continues to increase in this manner, you can see where it will have a very serious effect on our Local Road Budgets.

Because of a pay increase in 1955 and with the distance in which we have to haul the wood to dispose of it until it can be burned, I would say that it has averaged us \$85.00 per tree to remove and haul away the wood.

The burning of the logs can be included in this average. Following is a chart showing what roads and townships were affected by this disease and removals:

<u>Roads</u>	<u>Location</u>	<u>Number of trees</u>	<u>Approximate cost to remove</u>
Primary	County	69	\$5,865.00
Local	Southfield Twp.	30	2,550.00
Local	Farmington Twp.	5	425.00
Local	Royal Oak Twp.	30	2,550.00
Local	Bloomfield Twp.	28	2,380.00
Local	Troy Twp.	6	510.00
Local	West Bloomfield Twp.	7	595.00
Local	Pontiac Twp.	1	85.00
Local	Avon Twp.	2	170.00
Local	Orion Twp.	1	85.00

This chart also shows how the disease is spreading in the County as in 1954 only four (4) townships were involved in the removal program. Up until now we have been using the Bloomfield Pit to store the wood and logs so if we were refused to continue at the pit our disposal problem would become very serious. We could haul to our Commerce or Bald Mountain Pit but this could add to the removal cost. During the year of 1955, we spent approximately \$15,215.00 for just the removal of infected trees. This is further proof of how financially we would be unable to start a Control Program.

1955

PRIMARY ROAD CONSTRUCTION

The following major projects were completed or under construction

during the year:--

	<u>Miles</u>	<u>Estimated Cost</u>
Project #145		
<u>West Long Lake Road</u>	4.12	\$174,141.61
Orchard Lake Road to U.S. -24 Replacement of Old Concrete to improve grade and alignment Widening from 16' to 20' with cement concrete pavement. Grade and drainage structures. Contractor Max Frisinger		
Project #164 (completed)		
<u>Ten Mile Road</u>	3.56	97,099.50
Ridge Road to Southfield Road. Widen existing 20' concrete pavement to 22' resurface with 2 3/4" Bit. Conc. grade and drain. Contractors-Harry Brighton and Detroit Concrete Products Corp.		
Project #168 (completed)		
<u>Hickory Ridge-Stobart</u>	1.89	25,413.18
General Motors Road to County Line. 2" Bituminous Aggregate surface 20' wide. Contractor - Detroit Concrete Products Corp.		
Project #169 (completed)		
<u>Ridge Road (Pinecrest)</u>	1.00	37,612.13
Eight Mile to Nine Mile Road Widen existing 20' concrete road to 44' with cement concrete In Cooperation with City of Ferndale. County share 50%		

	<u>Miles</u>	<u>Estimated Cost</u>
Project #170 (completed)		
<u>Nine Mile Road</u>	2.35	\$91,920.00
Greenfield to East limits of Oak Park City. Widen existing pavement to 44' with cement concrete. In cooperation with City of Oak Park County share 50%		
Project #172 (completed)		
<u>Livernois Road (Main Street)</u>	0.50	32,719.43
South city limits of Clawson to 14 Mile Road. Widen existing 20' pavement to 44' with cement concrete In cooperation with the City of Clawson - County share 50%		
Project #173 (completed)		
<u>Livernois (Main Street)</u>	1.93	96,776.08
South limits of Clawson to Crooks Road. Widen existing pavement to 44' with cement concrete. In cooperation with the City of Royal Oak.		
Project #174 (completed)		
<u>John R. Road</u>	2.00	52,000.00
Eight Mile to Ten Mile Widen existing pavement from 9½ to 10 Mile to 44' with cement concrete. Resurface entire pavement with 2 3/4" bituminous concrete. In cooperation with City of Hazel Park - County share 50%		
Project #175 (completed)		
<u>Hadley Road</u>	1.00	20,726.60
Oakwood Road to North County Line. Grade drainage and surface with 8" compacted gravel 23' wide.		

	<u>Miles</u>	<u>Estimated Cost</u>
Project #176 (50% completed)		
<u>Fenton Road</u>	3.27	\$52,873.92
East limits of Fenton to Milford Road Grade, drainage and surface, 8" compacted gravel 21' wide.		
Project #177 (completed)		
<u>Elizabeth Lake Road</u>	0.12	11,338.30
At intersection of M-59 Widening of 22' pavement to 42' in cooperation with Michigan State Highway Department		
Project #178		
<u>Nine Mile Road</u>	0.04	1,236.39
Woodward Ave. to Bermuda Street 2½" Bituminous Concrete In cooperation with City of Ferndale.		
Project #182		
<u>West Long Lake Road</u>	2.72	61,633.77
From U. S. 24 to Orchard Lake Road Resurface with 2 ¾" Bituminous concrete, Contractor - Detroit Concrete Products Company		
Project #184		
<u>Ten Mile Road</u>	0.24	2,692.57
City of South Lyons from Warren Street to Hagadorn Street Resurface 20' pavement with 2" Bituminous Aggregate. County share.		

1955

FEDERAL AID SECONDARY ROADS

Contracts awarded by Michigan State Highway Department

	<u>Miles</u>	<u>Estimated Cost</u>
Project #144 - F. A. S. (S4) CS63-92		
<u>Twelve Mile Road</u> (completed)	4.965	\$83,659.57
Haggerty Road to U. S. 16 Widening existing 20' pavement to 22' with black base and resurface with 2 3/4" Bituminous Concrete, Contractor - A. & A. Asphalt Co. County share 50% -- \$83,659.57 Federal share 50% - \$83,659.57		
Project #163 - F. A. S. - S-261-4 CS63-93		
<u>West Maple Road</u> (completed)	6.25	77,826.23
From Orchard Lake Road to M-218. Widen to 22' and resurface with 2 1/2" Bituminous Concrete. Contractor - Ann Arbor Construction Company. County share 50% - \$77,826.23 Federal Share 50% - \$77,826.23		
Project #166 - F. A. S. - S-567		
<u>General Motors Road</u>	2.30	34,436.40
From West limits of Village of Milford to Hickory Ridge Road. Widen to 22' and resurface with 2 1/2" Bituminous Concrete. Contractor - Detroit Concrete Products Company. County share 50% - \$34,436.40 Federal share 50% - \$34,436.40		

1955

LOCAL ROAD CONSTRUCTION

	<u>Miles</u>	<u>Estimated Cost</u>
Project #179		
<u>Cedar Road</u>	0.663	\$2,602.13
From Round Lake Road to Union Lake Road. Bituminous Surface Treatment. Contractor - Detroit Concrete Products Corp. White Lake Township share 100%.		
Project #181		
<u>Crescent Lake Road</u>	0.525	7,335.77
From Pontiac Lake Road to M-59 (Highland Road) 2" Bituminous Aggregate 20' wide Contractor - Detroit Concrete Products Corp. Waterford Township share 100%.		
Project #183		
<u>Wrenwood Street</u>	0.025	1,749.00
From South Line of John F. Englehart Subdivision to Brooklawn Street. 27' concrete with integral curbs. Contractor - Oak Construction Co. Troy Township and Subdividers share 100%.		
Project #185		
<u>Cass Lake Road</u>	0.835	10,127.22
From M-59 (Highland Road) to Pontiac Lake Road. Surface with 2" Bituminous Aggregate 20' wide. Contractor - Detroit Concrete Products Corp. Waterford Township share 100%.		

1956

## PROPOSED CONSTRUCTION FEDERAL AID PROJECTS

	<u>Miles</u>	<u>Estimated Cost</u>
Project #192 - F. A. S. - 596		
<u>Wixom Road</u>	3.25	\$58,500.00
From East limits Village of Milford southerly to E $\frac{1}{4}$ corner Section 24 Milford Township. Surface with 2" Bituminous Aggregate 20' wide and gravel shoulders.		



PROPOSED CONSTRUCTION PRIMARY ROADS

	<u>Miles</u>	<u>Estimated Cost</u>
Project #165		
<u>Livernois Road</u>	3.017	\$70,000.00
From Long Lake Road to M-59 widen to 22' with gravel & binder Resurface with 2 3/4" Class I Bituminous Concrete Contractor - Cooke Contracting Co.		
Project #188		
<u>Ten Mile Road</u>	4.25	concrete 70,000.00 Bit. Conc. 97,750.00
From US.-24 to Powers Road Replace broken concrete with 22' concrete pavement. Widen remaining concrete to 22' width Resurface with 2 3/4" Class I Bituminous Concrete. Contractor - A. & A. Asphalt Paving Co. H. J. Brighton		
Project #189		
<u>Thirteen Mile Road</u>	8.75	191,750.00
From Woodward Avenue to Orchard Lk. Rd. Widen to 22' with gravel and binder. Resurface with 2 3/4" Class I Bituminous Concrete. Contractor - Cooke Contracting Co.		
Project #190		
<u>Lahser Road</u>	7.00	161,000.00
From West Maple Road to Eight Mile Rd. Widen to 22' with gravel and binder. Resurface with 2 3/4" Class I Bituminous Concrete. Contractor - Detroit Concrete Products Co.		
Project #191		
<u>Quarton Road</u>	2.25	40,500.00
From Woodward to Lahser Road Grade, drain and gravel surface 23' wide 8' compacted.		

	<u>Miles</u>	<u>Estimated Cost</u>
Project #193		
<u>Hadley Road</u>	1.00	\$18,000.00
From Oakwood Road to N. County Line Surface with 2" Bituminous Aggregate 20' wide.		
Project #194		
<u>Parkdale Road</u>	1.50	27,000.00
From E. limits Rochester to E. County <u>line.</u> Surface with 2" Bituminous Aggregate 20' wide.		
Project #195		
<u>Farmington Road</u>	2.00	36,000.00
From 10 Mile Road to 12 Mile Road Grade, drain and gravel surface 23' wide 8' compacted.		
Project #196		
<u>South Street, Church Street, Mill Street</u>	1.30	30,000.00
Village of Ortonville Resurface with 2 3/4" Bituminous Concrete.		
Project #197		
<u>Sashabaw Road</u>	2.0	24,000.00
From Clarkston Road North Soil cement stabilization 21' wide with double surface treatment.		
Project #198		
<u>Fourteen Mile Road</u>	2.0	90,000.00
City of Royal Oak From Greenfield to Crooks Road Widen to 45' with Cement Concrete and Curbs County share 50%.		

	<u>Miles</u>	<u>Estimated Cost</u>
Project #199		
<u>Ten Mile Road</u>	0.40	\$14,000.00
City of Royal Oak From alley east of Main Street westerly to Garden Ct. Widen to 44' with cement concrete. County share 50%		
Project #200-A		
<u>Greenfield Road</u>	0.25	9,000.00
Northland Inc. From 8 Mile to 9 Mile Lengthen approach lanes to Northland entrances at various locations with 8" cement concrete 11' wide. County share 50%.		
Project #200-B		
<u>Northwestern Highway</u>	0.25	7,000.00
Northland Inc. From 8 Mile to 9 Mile Lengthen approach lanes to Northland entrances at various locations with 8" cement concrete 11' wide. County share 50%.		
Project #201		
<u>Coolidge Highway</u>	1.00	40,000.00
Cities of Oak Park and Huntington Woods From 10 Mile to 11 Mile Roads. Widen to 44' with cement concrete with curb and gutter. County share 50%		
Project #202		
<u>Ridge Road (Pinecrest)</u>	0.50	22,000.00
City of Ferndale From 9 Mile Road to North City Limits Widen to 41' with cement concrete with curb and gutter County share 50%		

	<u>Miles</u>	<u>Estimated Cost</u>
Project #203		
<u>Eleven Mile Road</u>	1.00	\$45,000.00
Cities of Berkley & Oak Park From Coolidge Road to Greenfield Road Widen to 44' with cement concrete with curb and gutter. County share 50%		
Project #171		
<u>Nine Mile Road</u>	0.33	23,550.00
City of Ferndale From West City Limits to Livernois Road Widen to 43' with cement Concrete with curb and gutter County share 50%		
Project #204		
<u>Coolidge Highway</u>		2,950.00
City of Royal Oak Between Webster Road and Judson Avenue inclusive. Pave 7 crossovers with 2" Bituminous Aggregate.		

Local roads which are planned and financed by Townships or on petition will be added to the construction program when said road construction is definitely established.

The foregoing primary road projects will be placed under contract as rapidly as engineering surveys and finances are available.

The following pages constitute our financial report for the year of 1955.

Respectfully submitted,

BOARD OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN

By Lee O. Brooks  
Chairman

By Sol D. Lomerson  
Member

By Robert O. Felt  
Member

## OAKLAND COUNTY ROAD COMMISSION

BALANCE SHEET

For The Calendar Year Ending December 31, 1955

ASSETS

Current Assets			
County Treasurer's Account - Cash		628,798.60	
Imprest Cash Accounts		150.00	
Payroll Bank Account		1,000.00	
Accounts Receivable			
State of Michigan	86,387.55		
Reimbursable Expenditures	<u>109,572.87</u>		
		<u>195,960.42</u>	825,909.02
Work Orders in Process of Completion			7,069.45
Investments: Gravel Pits		85,294.64	
Less Reserve for Depletion		<u>72,110.56</u>	13,184.08
Farmington - Brighton Expressway Obligation			241,250.00
Inventories			
Materials and Parts in Stock			197,511.60
Prepaid Accounts			44,354.27
Fixed Assets			
Land		97,323.18	
Buildings	477,634.11		
Less Reserve for Depreciation	<u>153,401.70</u>	324,232.41	
Equipment - Road	1,568,615.75		
Less Reserve for Depreciation	<u>945,868.86</u>	622,746.89	
Equipment - Shop	28,327.42		
Less Reserve for Depreciation	<u>17,145.41</u>	11,182.01	
Equipment - Office	34,082.85		
Less Reserve for Depreciation	<u>18,730.46</u>	<u>15,352.39</u>	<u>1,070,836.88</u>
			<u>2,400,115.30</u>
TOTAL ASSETS			

LIABILITIES AND EQUITY

Current Liabilities			
Accounts Payable and Accrued Accounts		370,621.77	
Notes Payable and Loans Payable		<u>139,909.50</u>	510,531.27
Fixed Liabilities			
Farmington - Brighton Expressway Bonds			241,250.00
County Road Equity			<u>1,648,334.03</u>
			<u>2,400,115.30</u>
TOTAL LIABILITIES AND EQUITY			

## BOARD OF OAKLAND COUNTY ROAD COMMISSIONERS

## Financial Report - County Road Fund - Year 1955

## SUMMARY SHEETS

COUNTY HIGHWAY RECEIPTS

	<u>Primary System</u>	<u>Local System</u>	<u>Total</u>
State Motor Vehicle Highway Funds			
Engineering Services	3,975.00	1,025.00	5,000.00
County Road System	2,423,428.57	623,356.65	3,046,785.22
Highway Construction Fund	90,103.14		90,103.14
County Raised Revenue			271,855.02
Miscellaneous Receipts			247,553.17
Cash Received from Accounts Receivable			477,032.46
Total Receipts			<u>4,138,329.01</u>
Cash on Hand January 1, 1955			
Motor Vehicle Highway Fund			
Total Cash Balance			372,122.66
Total of State Funds	2,517,506.71	624,381.65	
Total of All Available Funds			<u><u>4,510,451.67</u></u>

COUNTY HIGHWAY EXPENDITURES

Administration-Engineering-Accounting	99,620.02	25,661.01	
Construction - Roads and Structures	944,087.44	64,776.46	
Maintenance - Roads and Structures	1,350,744.29	836,030.00	
Total Primary & Local Road Expenditures	2,394,451.75	926,467.47	3,320,919.22
Land and Buildings (Capital Expenditures)			291,046.32
Net Debits or Credits - Materials Account			83,082.97
Net Debits or Credits - Equipment Account			89,868.75-
Debt Service Expenditures			
Road and Structures	118,664.27		
Total Debt Service Expenditures			118,664.27
Reimbursable Expenditures			528,267.28
Total Expenditures			<u>4,252,111.31</u>
Accounts Payable or Accrued Accounts			371,608.24
Total of Cash Disbursements			3,880,503.07
Cash on Hand December 31, 1955			
Motor Vehicle Highway Fund			
Total Cash Balance			629,948.60
Total of Road System Funds	2,513,116.02	926,467.47	
Total of Expenditures and Unexpended - Balances			<u><u>4,510,451.67</u></u>

## Financial Report - Continued

## COUNTY HIGHWAY RECEIPTS

For the Calendar Year 1955

## State Funds

Engineering Services			
Primary Road Fund	3,975.00		
Local Road Fund	1,025.00		
Total Engineering Service		5,000.00	
County Primary Road Fund			
Amount of Allocation	2,443,338.09		
75% of Deduction for Loan Payment	19,909.52		
Net Receipts for Primary Roads		2,423,428.57	
County Local Road Fund			
Amount of Allocation	629,993.13		
25% of Deduction for Loan Payment	6,636.48		
Net Receipts for Local Roads		623,356.65	
Highway Construction Fund		<u>90,103.14</u>	
Total Net State Raised Revenue			<u>3,141,888.36</u>
Total Federal Raised Revenues			<u>3,141,888.36</u>

## County Raised Revenues

Property Taxes			
General Highway Use (Mileage)	50,000.00		
Delinquent County Road Tax	<u>5,949.42</u>		
Total Property Tax		55,949.42	
Township Participation			
From Contingent or General Fund	173,905.59		
Total Township Participation		173,905.59	
Other Participation			
Other Contributions		<u>42,000.01</u>	
Total County Raised Revenues			<u>271,855.02</u>
Total Raised Highway Revenue			<u>3,413,743.38</u>

## Miscellaneous Receipts

Earned Income			
Interest Earned	<u>1,535.00</u>		
Total Earned Income		1,535.00	
Sales and Refunds			
Sales of Materials	180,675.45		
Salvage of Equipment	8,555.08		
Sundry Refunds	1,041.13		
Work Orders	<u>55,746.51</u>		
Total Sales and Refunds		<u>246,018.17</u>	
Total Miscellaneous Receipts			<u>247,553.17</u>
Total Revenue Receipts			<u>3,661,296.55</u>



## Financial Report - Continued

Cash Received from Accounts Receivable		
State Trunkline Maintenance Contract		351,037.66
Other State Accounts		
Audit Adjustment	826.09	
Other Highway Dept. Accounts	28,561.37	
Conservation Department	52.66	
Total Other State Accounts		29,440.12
Other Accounts		
City and Village Accounts & Townships	4,355.24	
Inter-County Accounts	6,174.55	
Miscellaneous	86,024.89	
Total Other Accounts		96,554.68
Total Receipts from Accounts Receivable		477,032.46
Total Receipts		4,138,329.01
Balance on Hand Beginning of Year		
Cash Balance for Highway Operations		
County Road Commission Funds		169,622.66
Imprest Cash and Payroll Account		1,150.00
Reserves for Debt Retirement		
Motor Vehicle Highway Funds		1,350.00
Other Cash Reserves - Building - Fund		200,000.00
Total Cash Funds on Hand January 1, 1955		372,122.66
Total of all Available Funds		4,510,451.67

## Financial Report - Continued

Schedule - B

## Township Participation by Townships

Township	General or <u>Contingent Fund</u>	
Addison	181.78	
Avon	3,106.16	
Bloomfield	11,762.78	
Commerce	19,177.62	
Farmington	29,279.45	
Groveland	2,000.00	
Highland	3.30	
Holly	2,064.49	
Independence	422.63	
Milford	1,500.00	
Novi	7,531.32	
Oakland	2,472.93	
Orion	7,191.53	
Pontiac	2,557.13	
Rose	4,000.00	
Royal Oak	790.00	
Southfield	9,441.10	
Troy	2,492.45	
Waterford	58,094.20	
West Bloomfield	3,915.92	
White Lake	<u>5,920.80</u>	
Total Participation for all Townships		173,905.59

## COUNTY HIGHWAY EXPENDITURES

## Administration Account

Expenditures		
Salaries, Wages, Expenses, Etc.	170,623.72	
Office Supplies	3,897.81	
Office Building and Equipment Expense	5,347.53	
Miscellaneous	<u>19,987.76</u>	
Total Expenditures		199,856.82
Credits to Administration Accounts		
Charges to Intra-County Accounts	44,112.63	
Charges to Other Reimburse- able Accounts	6,151.00	

## Financial Report - Continued

## COUNTY HIGHWAY EXPENDITURES

Administration Account			
Credits to Administration Accounts			
Overhead Revenue	<u>24,312.16</u>		
Total Credits to Administration		<u>74,575.79</u>	
Net Administration Expenditures			125,281.03
	<u>County</u>	<u>County</u>	
	<u>Primary</u>	<u>Local</u>	
	<u>Road</u>	<u>Road</u>	
	<u>System</u>	<u>System</u>	
Construction Expenditures (All costs except Administration)			
Construction of Roads (Including Engineering)	931,519.45	39,455.57	
Construction of Structures (Including Engineering)		25,320.89	
Vacation and Sick Leave	5,951.77		
Retirement Fund Payments	5,011.77		
Insurance	<u>1,604.45</u>		
Total Construction Expenditures	<u>944,087.44</u>	<u>64,776.46</u>	1,008,863.90
Maintenance Expenditures (All costs except Administration)			
General Highway Maintenance--Roads	1,043,447.63	727,737.93	
General Highway Maintenance--Structures	543.14	4,867.56	
Snow-Removal, Ice Control, Snow Fence	137,920.39	52,693.42	
Traffic Control, (Signs, Signals, Etc.)	75,603.67	8,050.41	
Vacation and Sick Leave	44,157.33	20,215.13	
Retirement Fund Payments	37,174.95	17,019.28	
Insurance	<u>11,897.18</u>	<u>5,446.27</u>	
Total Maintenance Expenditures	<u>1,350,744.29</u>	<u>836,030.00</u>	2,186,774.29
Land and Buildings (Capitol Expenditures)			
Purchase or Construction		<u>291,046.32</u>	
Total Capitol Expenditures for Land and Buildings			291,046.32
Material Accounts			
Expenditures			
Materials and Parts Purchased	590,183.57		
Pit Operations (Cost of Gravel)	<u>99,869.42</u>		
Total Expenditures		690,052.99	

## Financial Report - Continued

## COUNTY HIGHWAY EXPENDITURES

## Material Accounts

## Credits to Material Accounts

Charges to County Construction and Maintenance Projects	363,580.46	
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Charges to State Highway Dept. Accounts	4,384.80	
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Charges to Other Reimbursable Accounts	40,170.20	
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Charges to Equipment Accounts	<u>198,834.56</u>	
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Total Credits to Material Accounts		<u>606,970.02</u>
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Net Debits or Credits of Materials			83,082.97
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## Equipment Account

New Equipment Purchased		55,124.89	
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Equipment Expense			
Equipment Operation (Gas, Oil, Etc.)	105,149.62		

Direct Maintenance (Labor, Parts, and Tires)	338,755.78		
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Indirect Maintenance and Storage	<u>113,826.42</u>		
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Total Equipment Expense		<u>557,731.82</u>	
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Total Equipment Account			612,856.71
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## Credits to Equipment Account

Charges to County Construction and Maintenance Projects		52,009.83	
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Charges to Pit Operations (Gravel Costs)		24,512.53	
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Charges to State Highway Department Accounts		77,456.98	
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Charges to Other Reimbursable Accounts		<u>548,746.12</u>	
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Total Credits to Equipment Account			<u>702,725.46</u>
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Net Debit or Credit of Equipment			<u>89,868.75-</u>
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Total Highway Expenditures			3,605,179.76
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## Debt Service Expenditures

	<u>County Primary</u>	-	<u>County Local</u>
	<u>Road Fund</u>		<u>Road Fund</u>

## \*Bonds

Roads and Structures	55,000.00		55,000.00
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## Notes

Roads and Structures	60,000.00		60,000.00
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Roads and Structures Interest	2,700.00		2,700.00
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Total Road and Structure Debt	<u>117,700.00</u>		<u>117,700.00</u>
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Note: Farmington - Brighton Expressway  
LIMITED ACCESS HIGHWAY TAX BONDS

## Financial Report - Continued

## COUNTY HIGHWAY EXPENDITURES

	<u>County Primary</u> -	<u>County Local</u>
	<u>Road Fund</u>	<u>Road Fund</u>
Reimbursable Expenditures (All Costs including Administration)		
State Trunkline Maintenance Contract		325,628.86
Other Highway Dept. Accounts	22,950.42	
Conservation Department	80.80	
Pontiac State Hospital	<u>42.50</u>	
Total Other State Accounts		23,073.72
Other Accounts		
Cities, Villages and Townships	58,417.28	
Inter-County	6,167.42	
Miscellaneous	86,121.13	
Work Orders	<u>29,823.14</u>	
Total Other Accounts		<u>180,528.97</u>
Total Reimbursable Expenditures		<u>529,231.55</u>
Total Expenditures		4,252,111.31
Accounts Payable or Accrued Accounts		<u>371,608.24</u>
Total of Cash Disbursements		3,880,503.07
Balance on Hand at End of Year		
Cash Balance for Highway Operations		496,299.25
County Road Commission Funds		1,150.00
Imprest Cash and Payroll Account		
Reserves for Debt Retirement		
Motor Vehicle Highway Funds	900.00	900.00
Other Cash Reserves - Building Fund		<u>131,599.35</u>
Total Cash Funds on Hand December 31, 1955		<u>629,948.60</u>
Total of Cash Disbursements and Unexpended Balances		<u>4,510,451.67</u>

## OAKLAND COUNTY ROAD COMMISSION

## Financial Report - Continued

December 31, 1955

Accrued Payrolls	26,619.49	
Old Age Benefits - 1955	55,779.43	
Deposits By Townships	8,442.35	
Accounts Payable	<u>279,780.50</u>	370,621.77

Less:

Accrued Payrolls - December 31, 1954		<u>23,855.45</u>
		346,766.32

Add:

Deposits By Townships - December 31, 1954		<u>514.50</u>
		347,280.82

Add:

Reserve for Depreciation of Buildings	4,598.64	
Adjustment of Equipment Account -		
Trade-ins	17,482.87	
Prepaid Accounts	7,518.81	
Inventory Adjustments	67,977.25	
General Expense	<u>18,254.98</u>	
		<u>115,832.55</u>
		463,113.37

Less:

Adjustment of Reserve for Depletion		
of Gravel Pits	66,646.60	
Adjustment of Reserve for Depreciation		
of Equipment - Trade-ins	<u>24,858.53</u>	

Net Credit

	<u>91,505.13</u>
	<u><u>371,608.24</u></u>

## Financial Statement - Continued

## County Primary Road Construction

<u>Project No.</u>	<u>Road</u>	<u>Amount</u>
115	Greenfield	6,644.47
117	Hilton Road	25,587.73
144	Twelve Mile	4,278.57
145	West Long Lake	182,141.26
147	Stobart and Hickory Ridge	1,386.59
149	Coolidge	20,862.84
155	Cedar	21.23
160	John R.	4,028.42
163	Maple	85,552.95
164	Ten Mile	101,298.70
165	Livernois	122.06
166	General Motors	37,233.61
167	Maple	43,448.34
168	Hickory Ridge and Stobart	26,894.67
169	Ridge Road	39,172.04
170	Nine Mile	62,488.43
172	Livernois	34,076.43
173	Livernois	100,789.76
174	John R.	54,156.64
175	Hadley	23,402.10
176	South Fenton	59,640.40
177	Elizabeth Lake	11,808.54
178	Nine Mile	1,287.67
182	West Long Lake	64,588.42
183	Wrenwood	90.46
184	Ten Mile	2,804.24
187	Dequindre	1,099.80
188	Ten Mile	93.65
189	Thirteen Mile	9.36
200	Northland Center	9.37
	Total	<u>995,018.75</u>

## Financial Statement - Continued

Local Road Construction

<u>Project No.</u>	<u>Road</u>	<u>Amount</u>	
158B	Moss Street	1,094.40	
179	Cedar Road	2,602.13	
181	Crescent Lake	7,335.77	
185	Cass Lake	10,127.22	
186	Extension of Tuttle Drain	<u>399.30</u>	21,558.82
<u>Work Order No.</u>			
455	Pontiac Lake Road	5,914.14	
494	Windiate Road	<u>2,006.03</u>	7,920.17
Other:	Railroad Flashing Light signals on Frembes at Grand Trunk Rail- road Crossing		<u>9,976.58</u>
	Total		<u><u>39,455.57</u></u>

Local Bridge Construction

Benstein Road	3,848.75
Fourteen Mile Road	2,476.39
Perryville Road	2,118.17
Wise Road	5,208.49
Quarton Road	6,653.43
Bald Eagle Lake Road	1,313.18
Pine Knob Road	2,221.12
Winkler Road	<u>1,481.36</u>
Total	<u><u>25,320.89</u></u>

Note: Local Road Construction was

Paid for by Townships.



## Financial Report - Continued

## County Primary Road Maintenance

## Concrete Roads

Patching	68,559.62
Shoulders and Side Approaches	25,082.67
Roadside and Drainage	74,725.01
Traffic Service	42,386.08
Snow and Ice Control	54,362.75
Municipal Contracts	16,724.71
Vacations, Sick Leave & Benefits	23,157.16
Distributive Expense	25,405.16
Overhead and Engineering	<u>13,343.15</u>

343,746.31

## Bituminous Roads

Patching	160,390.97
Resurfacing	98,508.22
Shoulders and Side Approaches	18,471.95
Roadside and Drainage	112,088.02
Traffic Service	24,471.79
Snow and Ice Control	61,447.70
Bridge Maintenance	543.14
Vacations, Sick Leave & Benefits	39,220.94
Distributive Expense	43,233.21
Overhead and Engineering	<u>21,456.39</u>

579,832.33

## Gravel Roads

Patching	83,526.64
Dragging	53,494.29
Shoulders and Side Approaches	1,873.29
Roadside and Drainage	100,481.32
Traffic Service	8,745.80
Snow and Ice Control	22,109.94
Resurfacing	56,805.93
Dust Palliatives	64,228.15
Vacations, Sick Leave & Benefits	30,851.36
Distributive Expense	35,711.39
Overhead and Engineering	<u>21,123.45</u>

478,951.56

TOTAL

1,402,530.20

## Financial Report - Continued

## SUMMARY OF COUNTY PRIMARY AND COUNTY LOCAL ROAD

## Maintenance by Classification of Expense

	<u>Total</u>	<u>Primary Roads</u>	<u>Local Roads</u>
Overhead and Engineering	94,794.47	55,922.99	38,871.48
General Highway Maintenance - Roads	1,837,687.58	1,115,109.71	722,577.87
General Highway Maintenance - Structures	5,410.70	543.14	4,867.56
Snow and Ice Control	190,613.81	137,920.39	52,693.42
Vacations, Sick Leave and Benefits	<u>135,714.65</u>	<u>93,033.97</u>	<u>42,680.68</u>
TOTALS	2,264,221.21	1,402,530.20	861,691.01

## Financial Report - Continued

## County Local Road Maintenance

<u>Township</u>	<u>Total</u>	<u>Overhead &amp; Engineering</u>	<u>General Highway Maintenance Roads</u>	<u>General Highway Maintenance Structure</u>	<u>Snow and Ice Control</u>	<u>Vacations Sick Leave and Benefits</u>
Addison	13,256.71	469.91	9,997.70		1,916.23	872.87
Avon	40,639.07	2,017.02	34,058.55		2,354.10	2,209.40
Bloomfield	72,597.22	2,653.36	62,508.54	1,337.70	3,045.58	3,052.04
Brandon	12,984.78	799.88	8,585.41	70.17	2,729.09	800.23
Commerce	39,975.76	1,601.99	33,799.29	62.00	2,240.01	2,272.47
Farmington	73,952.03	3,956.61	62,839.85	1,994.24	2,207.78	2,953.55
Groveland	7,484.00	259.50	4,488.39		2,300.13	435.98
Highland	17,605.99	804.68	13,397.39		2,356.56	1,047.36
Holly	12,574.96	368.72	9,571.64		1,978.88	655.72
Independence	31,389.36	1,385.52	24,764.87		3,286.66	1,952.31
Lyon	15,786.91	1,067.09	12,714.43		1,222.85	782.54
Milford	13,192.65	452.71	10,358.46	54.25	1,610.74	716.49
Novi	24,349.60	946.99	21,153.94		1,116.29	1,132.38
Oakland	15,920.26	492.12	12,396.11		2,069.73	962.30
Orion	31,204.11	1,119.88	26,182.15		2,509.20	1,392.88
Oxford	14,111.41	620.42	11,054.04		1,552.46	884.49
Pontiac	25,092.94	1,149.39	21,248.97		1,354.83	1,339.75
Rose	14,253.51	407.57	10,831.42		2,360.05	654.47
Royal Oak	47,293.90	2,541.87	41,939.92		13.43	2,798.68
Southfield	93,018.38	4,771.14	81,781.98	1,337.70	1,110.29	4,017.27
Springfield	14,356.57	496.59	9,886.70		3,095.75	877.53
Troy	50,777.32	2,689.67	44,921.90		704.38	2,461.37
Waterford	106,862.88	4,269.88	93,855.52		4,116.02	4,621.46
West Bloomfield	45,394.04	2,423.16	37,878.08		2,680.33	2,412.47
White Lake	27,616.65	1,105.81	22,362.62	11.50	2,762.05	1,374.67
<b>TOTALS</b>	<b>861,691.01</b>	<b>38,871.48</b>	<b>722,577.87</b>	<b>4,867.56</b>	<b>52,693.42</b>	<b>42,680.68</b>

## B U D G E T

## OAKLAND COUNTY

## "C" LOCAL ROADS

Local Road Budget for 1955 and Estimated Budget for 1956 - \$623,356.65  
 65% Prorated on "C" Mileage----- \$405,181.82  
 35% Prorated on "C" Population----- \$218,174.83

Townships	65% "C" Mileage		35% Population		Total	Rate
	Mileage	Amount	Population	Amount	Budget	Per Mile
Addison	45.65	10280.83	900	1645.27	11926.11	261.25
Avon	104.94	23633.52	8903	16275.47	39908.99	380.30
Bloomfield	148.96	33547.26	3851	7039.96	40587.22	272.47
Brandon	52.23	11762.71	1447	2645.23	14407.94	275.85
Commerce	61.70	13895.45	7421	13566.24	27461.69	445.08
Farmington	130.31	29347.10	11224	20518.47	49865.57	382.66
Groveland	41.30	9301.17	981	1793.35	11094.52	268.63
Highland	59.82	13472.05	2944	5381.88	18853.93	315.17
Holly	41.48	9341.71	1367	2498.99	11840.70	285.45
Independence	69.83	15726.41	3448	6303.24	22029.65	315.47
Lyon	37.67	8483.66	1647	3010.85	11494.51	307.58
Milford	41.66	9382.24	1065	1946.90	11329.14	271.94
Novi	57.13	12866.24	3827	6996.09	19862.33	347.66
Oakland	49.17	11073.57	1343	2455.11	13528.68	275.14
Orion	69.53	15658.84	4780	8738.26	24397.10	350.88
Oxford	45.17	10172.73	1837	3358.19	13530.92	299.55
Pontiac	42.60	9593.94	6169	11277.46	20871.40	489.93
Rose	56.77	12785.16	1105	2020.02	14805.18	260.79
Royal Oak	12.34	2779.09	4716	8621.25	11400.34	923.85
Southfield	153.27	34517.92	14197	25953.37	60471.29	394.54
Springfield	57.27	12897.77	1825	3336.24	16234.01	283.46
Troy	14.16	3188.97	317	579.48	3768.45	266.13
Waterford	208.38	46929.23	24316	44451.82	91381.05	438.53
West Bloomfield	125.00	28151.23	5534	10116.63	38267.86	306.14
White Lake	72.79	16393.02	4182	7645.05	24038.07	330.23
Totals	1799.13	405,181.82	119346	218,174.83	623,356.65	346.47
Average	225.21		1.83			

BOARD OF COUNTY ROAD COMMISSIONERS  
STATEMENT OF ESTIMATED REVENUE AND EXPENDITURES  
AND ACTUAL REVENUE AND EXPENDITURES FOR THE YEAR 1955

	Estimated	Actual	Under-Over Estimate
<u>Income</u>			
Cash on hand - January 1, 1955	170,972.00	370,972.66	200,000.66
Motor Vehicle Money - Net	2,923,454.00	3,141,888.36	218,434.36
Appropriation by County	50,000.00	50,000.00	
Contributions by Townships		173,905.59	173,905.59
Huron - Clinton Metropolitan Area		40,000.00	40,000.00
Others		175,836.74	175,836.74
Miscellaneous		10,956.56	10,956.56
Salvage of Equipment Sold and Traded		8,555.08	8,555.08
	<u>3,144,426.00</u>	<u>3,972,114.99</u>	<u>827,688.99</u>
 <u>Expenditures</u>			
Construction - Primary Roads	865,826.00	994,087.44	128,261.44
Construction - Local Roads and Bridges		64,776.46	64,776.46
Primary Road Maintenance	1,200,000.00	1,350,744.29	150,744.29
Local Road Maintenance	600,000.00	836,030.00	236,030.00
Equipment	50,000.00	55,124.89	5,124.89
Buildings and Grounds	10,000.00	291,046.32	281,046.32
Reserve for Buildings	200,000.00	200,000.00	
Notes, Bond Obligation and Interest	78,600.00	118,664.27	40,064.27
Administrative	140,000.00	128,378.23	11,621.77-
	<u>3,144,426.00</u>	<u>4,038,851.90</u>	<u>894,425.90</u>

OAKLAND COUNTY ROAD COMMISSION  
ANTICIPATED REVENUES AND EXPENDITURES

1956

Estimated Revenue

1951-Act 51 Motor Vehicle Fund		\$3,100,000.00
1955-Act 87 Construction Fund		<u>330,000.00</u>
Total		3,430,000.00

Less Loans Payable

Act 50 P.A. 1948	\$19,909.00	
Act 43 P.A. 1943	61,800.00	
Act 705 P.A. 1941	<u>15,000.00</u>	
		96,709.00
		<u>3,333,291.00</u>

Appropriation by Board of Supervisors		<u>50,000.00</u>
---------------------------------------	--	------------------

Total Estimated Available Funds		<u><u>\$3,383,291.00</u></u>
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Estimated Expenditures

Maintenance

Primary Roads		1,350,000.00
Local Roads		<u>640,000.00</u>

1,990,000.00

Other Expense

Buildings		15,000.00
Equipment		100,000.00
Administration		155,000.00
Reserve for Building Fund		100,000.00
Construction		<u>1,023,291.00</u>

1,393,291.00

3,383,291.00

*Property of*  
OAKLAND COUNTY  
PLANNING COMMISSION  
1 Lafayette Street  
PONTIAC, MICHIGAN

1

April 1, 1955

TO THE HONORABLE BOARD OF SUPERVISORS  
OF THE COUNTY OF OAKLAND, MICHIGAN

Gentlemen:

Your Board of County Road Commissioners in compliance with the statutes relating thereto, takes pleasure in submitting for your approval our Forty-Second Annual Report of the work of this department for the period January 1, 1954, to December 31, 1954.

HIGHWAY NEEDS STUDY \* —

*Hi-way needs study \$64? where will costs come from*

During the past year, there has been a tremendous amount of building activity in the County with a corresponding increase in traffic on our county highways. It has been estimated, that to rebuild or widen the primary and local roads, under the jurisdiction of this Commission, according to standards sufficient to meet traffic demands during the next 20 years, that approximately \$100,000,000 would be necessary. This would require a sum of at least \$5,000,000 per year for construction purposes.

NEW GARAGE BUILDINGS

This Commission are also faced with constructing a new office and garage buildings on the county service center site. The present buildings and site are not large enough to house present personell and equipment. In addition, the State Highway Department are proposing to separate grades at

Orchard Lake and Telegraph Roads and in so doing will destroy one garage and part of our storage yard. Therefore, during 1955 this Commission propose to build a portion of our proposed new buildings at an estimated cost of \$460,000. The funds for this construction are available from an established building fund, supplemented by moneys from current income and sale of right of way thru present site.

#### FARMINGTON BRIGHTON EXPRESSWAY

The Farmington Brighton Expressway will be a new location of U.S.-16 (Grand River Road) starting at U.S.-23 east of City of Brighton, in Livingston County, and terminating on U.S.-16 about 1 mile southeast of Middle Belt Road in Oakland County. This toll free, limited access highway was established under an agreement by and between the State Highway Commissioner and the Board of County Road Commissioners of the County of Oakland in December 1954. The total cost of this project is estimated at \$11,000,000 of which \$300,000 is Oakland County's share payable from motor vehicle funds in 20 equal annual installments.

It is estimated that with the sale of \$5,000,000 in bonds and the application of federal aid will complete the entire expressway.

#### COUNTY ROAD MAINTENANCE

The resurfacing of old cement concrete pavements with asphaltic concrete has in a large measure reduced the amount of maintenance necessary on this type of road.



It is planned to continue this resurfacing until all of the old primary concrete pavements amounting to 110.61 miles are so improved. Primary gravel roads and so called "black top" roads with a gravel base are gradually being improved as to line, grade and surface to accomodate traffic requirements. There is considerable work to do in this respect and available funds are limited. Local road and street funds allocated under Act 51 of the P. A. of 1951, are not sufficient to do a good job of maintenance. A "Highway Needs" study being made by the legislature may bring about additional finances for this purpose.

Maintenance of county primary roads cost \$1,331,678.40 including labor, material, equipment rental, overhead and distributive expense or an average of \$1,883.91 per mile, which included rebuilding of several miles of gravel roads.

The cities of Hazel Park, Oak Park, Ferndale and Berkley maintained primary roads during 1954 within their respective city limits under an agreement with this Commission.

Maintenance of county local roads cost \$1,006,180.20 including labor, material, equipment rental, overhead and distributive expense or an average of \$541.86 per mile. Cost figures include sale of culvert pipe, calcium chloride brine as a dust layer, and contributions by townships.

State trunk line highways in Oakland County are being maintained by this Commission under contract with the State Highway Commissioner for the fiscal year July 1, 1954, to June 30, 1955. This contract amounts to \$376,833.00 or an

1,331,678  
1,006,180  
2,337,859

average of \$1,995.99 per mile.

Rural mail carriers drive 1,662 miles per day over highways in the county exclusive of Sundays and Holidays.

The total miles driven per day on rural school bus routes is approximately 13,303.9 miles. This includes morning, noon and evening round trips.

There were 51.72 miles of new subdivision streets added to our county local road system in 1954. The incorporation of the Cities of Lathrup Village and Walled Lake and the Villages of Wolverine Lake and Franklin reduced the local road mileage by 53.21 miles.

Mileage of Roads  
in  
1954

STATE TRUNK LINE HIGHWAYS

<u>Surface Type</u>	<u>Miles</u>	<u>Total Miles</u>
Surface Treated Gravel	12.80	
Mixed Bituminous-Gravel Base	19.06	
Mixed Bituminous-Concrete Base	83.43	
Cement Concrete	<u>73.69</u>	
		188.98

PRIMARY COUNTY ROADS

Surface Treated Gravel	53.10	
Gravel	207.66	
Mixed Bituminous Gravel Base	167.09	
Mixed Bituminous Concrete Base	128.48	
Cement Concrete	<u>150.54</u>	
		706.87

LOCAL COUNTY ROADS

Surface Treated Gravel	27.68
Gravel	1801.34
Mixed Bituminous Gravel Base	15.18
Cement Concrete	<u>12.69</u>

Total Miles

~~1856.89~~

2752.74

The following is a composite report of the permits issued for special truck loadings and truck loading violations on county roads during the year 1954.

Trucks stopped and examined for probable violations		698
Warning tickets issued (these consist of borderline violators)		206
Total amount of violations issued		168
Scattering and littering	8	
Excessive speeding	31	
Posted roads during restrictions	17	
Overlength and overwidth vehicles operating without permits and companies working on right of way without permits	17	
Overweight violations	95	
Total amount in fines	\$6,909.37	
Total amount in costs	<u>2,044.00</u>	
Grand Total	\$8,953.37	

Fines accrue to the State Library Fund and not to highways.

This department investigated and apprehended twenty-three (23) rubbish right of way violators. Some were served warrants from the various Justice Courts to clean up the debris and the rest did so upon request of this department.

Request of 54 companies was granted to examine and weigh their equipment and determine the legal amounts to be carried by their vehicles.

Numerous complaints were answered concerning right of way violators of various sorts.

There were eleven special escorts made by this department

where extra large equipment moving might impair the flow of normal traffic. At different times county equipment was also escorted.

There were 6,697 special permits issued covering movement of equipment and 170 special permits issued covering movement of houses.

The following is a list of major items of material purchased and/or used during the year 1954.

Liquid Calcium Chloride.....	2,209,834 gallons
Flake - Calcium Chloride (100# sacks)...	6,735 sacks
Rock Salt - (Bulk).....	6,861 tons
Rock Salt - (100 lb. sacks).....	126 sacks
Bituminous Material:	
MC-5.....	165,522 gallons
AE-150.....	117,314 gallons
T-3 Tar.....	13,722 gallons
T-10 Tar.....	24,134 gallons
T-12 Tar.....	179,342 gallons

PLAIN CONCRETE PIPE

10" x 3' .....	765 feet
12" x 3' .....	8,220 feet
15" x 3' .....	450 feet
18" x 4' .....	<u>172 feet</u>
	9,607 feet

REINFORCED CONCRETE PIPE

12" x 3' .....	3,831 feet
15" x 4' .....	20 feet
18" x 4' .....	<u>112 feet</u>
	3,963 feet

CORRUGATED METAL PIPE

8" x 18'	396 feet
10" x 6'	90 feet
10" x 12'	540 feet
10" x 18'	2,736 feet
12" x 6'	624 feet
12" x 12'	3,732 feet
12" x 18'	31,050 feet
15" x 6'	30 feet
15" x 12'	204 feet
15" x 18'	810 feet
18" x 6'	72 feet
18" x 12'	228 feet
18" x 18'	1,062 feet
24" x 6'	30 feet
24" x 12'	48 feet
24" x 18'	252 feet
30" x 6'	18 feet
30" x 18'	90 feet
36" x 6'	12 feet
36" x 12'	36 feet
36" x 18'	18 feet
42" x 18'	18 feet
48" x 18'	36 feet
	<u>42,132 feet</u>

REMOVAL OF DUTCH ELM DISEASED TREES

During the past year we have had a tremendous increase in the number of diseased trees which we have been required to remove by State Law. If this increases next year, as expected to do, in the same manner as this year we are going to be seriously effected in respects to our Local Road budgets.

This removal is expensive as the wood has to be sprayed with a strong DDT solution and then hauled away to a place where it can be burned.

In 1953, eleven (11) diseased trees were removed and ten of them were on Local Roads in Southfield Township. During the past summer and fall (1954), we removed 80 diseased trees as shown on the following chart:

<u>Roads</u>	<u>Location</u>	<u>Number of trees</u>	<u>Approximate Cost to Remove</u>
Primary	County	35	\$ 2625.00
Local	Southfield Twp.	24	1800.00
Local	Farmington Twp.	15	1125.00
Local	Bloomfield Twp.	4	300.00
Local	Royal Oak Twp.	<u>2</u>	<u>150.00</u>
		80	<u>\$6000.00</u>



1954

PRIMARY ROAD CONSTRUCTION

The following major projects were completed or under construction during the year.

	<u>Miles</u>	<u>Estimated Cost</u>
Project #129 (completed)		
<u>Grange Hall Road</u>	0.28	
Jossman Road westerly Grading, drainage and 21' gravel surface 8" compacted Contractor John Walser		\$ 8,587.44
Project #130 (completed)		
<u>Ten Mile Road</u>	0.05	
Woodward Avenue East to Alley Widen pavement to 40' with 8" cement concrete. In cooperation with City of Ferndale. 50% County share.		915.25
Project #132 (completed)		
<u>Orchard Lake Road</u>	1.94	
U.S.-16 to 11 Mile Road 2½" Bituminous Conc. resurface Contractor A. & A. Asphalt Co.		48,394.23
Project #133 (completed)		
<u>Crooks Road</u>	3.00	
M-59 to Adams Road Widen to 22' with gravel and black base; 2½" Bituminous conc. resurface. Contractor A. & A. Asphalt Co.		71,381.46
Project #134 (completed)		
<u>Williams Lake Road</u>	5.23	
U.S.-10 to Elizabeth Lake Road Widen to 22' with gravel and black base; 2½" Bituminous conc. resurface. Contractor Ann Arbor Const. Co.		130,054.25

	<u>Miles</u>	<u>Estimated Cost</u>
Project #135 (completed)		
<u>Eight Mile Road</u>	2.59	
U.S.-16 to Farmington Road Widen to 22' with gravel and black base; 2½" Bituminous conc. resurface. Contractor A. & A. Asphalt Co.		
		\$ 65,965.12
Project #136 (completed)		
<u>Ten Mile Road</u>	2.76	
U.S.-16 to Novi Road Widen to 22' with gravel and black base; 2½" Bituminous conc. resurface. Contractor Howell Construction Co.		
		75,542.00
Project #137 (completed)		
<u>Eight Mile Road</u>	2.00	
Pontiac Trail easterly Widen to 22' with gravel and black base; 2½" Bituminous conc. resurface. Contractor Howell Construction Co. In cooperation with County of Washtenaw County share 50% Washtenaw County 50%		
		54,529.77
Project #138 (completed)		
<u>Ten Mile Road</u>	3.00	
U.S.-24 to Southfield Road Widen to 22' with gravel and black base; 2½" Bituminous conc. resurface. Contractor Detroit Concrete Products		
		77,191.29
Project #139-A (completed)		
<u>Eleven Mile Road</u>	1.55	
M-150 to Dequindre Road Widen to 22' with 8" cement concrete Contractor Brighton & Wing		

	<u>Miles</u>	<u>Estimated Cost</u>
Project #139-B (completed)		
<u>Eleven Mile Road</u>	1.55	
M-150 to Dequindre Road 2½" Bituminous Conc. resurface. Contractor Cooke Contr. Co.		77,191.29 \$ 56,888.42
	Total	
Project #140 (completed)		
<u>Nine Mile Road</u>	0.95	
Greenfield Road to Southfield Road Widen to 22' with gravel and black base; 2½" Bituminous Conc. resurface. Contractor Detroit Concrete Products		25,096.91
Project #141 (completed)		
<u>Big Beaver Road</u>	0.88	
Adams Road to U.S.-10 2" Bituminous Aggregate surface 20' wide. Contractor Ann Arbor Const. Co.		14,879.85
Project #142 (completed)		
<u>Oakwood Road</u>	3.71	
Sashabaw Road to Church Street (Ortonville) 2" Bituminous Aggregate surface 20' wide. Contractor Howell Const. Co.		44,269.65
Project #143 (completed)		
<u>Wixom Road</u>	3.22	
M-218 to W. Line Section 19 2" Bituminous Aggregate surface 20' wide Contractor Detroit Concrete Products		49,027.18
Project #147 (completed)		
<u>Hickory Ridge &amp; Stobart Roads</u>	1.89	
General Motors Road to Labadie Road G. D. & S. - 21' gravel surface 8" compacted 34' grade. Contractor Sugden & Sivier Co. General Motors Corp. contributed \$45,000		53,098.64

134,079

	<u>Miles</u>	<u>Estimated Cost</u>
Project #148 (completed)		
<u>Hilton Road</u>	1.00	
( Eight Mile Road to Nine Mile Road Widen to 44' with 8" cement concrete in cooperation with City of Ferndale Payable from 1955 budget. County share		\$ 24,569.00
Project #149 (completed)		
<u>Coolidge Highway</u>	2.00	
( Eight Mile Road to Ten Mile Road Widen to 40' with 8" cement concrete in cooperation with City of Oak Park. County share 1954 Budget \$50,000 1955 Budget <u>21,000</u>		71,000.00
Project #150 (completed)		
<u>Campbell Road</u>	1.00	
( Ten Mile Rd. to Eleven Mile Road Widen to 40' with 8" cement concrete in cooperation with City of Royal Oak. Payable from 1955 Budget.		35,500.00
Project #151 (completed)		
<u>Hiller Road</u>	0.34	
From Commerce Road northerly. G.D.&S. with 21' gravel 8" compacted and 2" Bituminous Aggregate Surface Course. In cooperation with the Huron-Clinton Metropolitan Authority \$8,000.00 Contractor Ann Arbor Const. Co.		15,777.43
Project #152 (completed)		
<u>Academy Road</u>	0.50	
From W. Limits Holly to Fish Lake Road. G.D.&S. with 4" gravel and Bituminous surface treatment. McPherson Contr. Co. Adelphian Academy contributed \$2,000.00		3,005.04

	<u>Miles</u>	<u>Estimated Cost</u>
Project #153 (completed)		
<u>Nine Mile Road</u>	0.10	
From Woodward to Bermuda St. Widen to 30' with 8" cement concrete in cooperation with City of Ferndale - (County share)		\$ 1,170.00
Project #157 (completed)		
<u>Ten Mile Road</u>	0.424	
Farmington Rd. to Powers Rd. G.D.&S. with 21' gravel and 2½" Bituminous Aggregate surface course. Contractor Don Wells, Inc.		12,205.55
Project #160 (completed)		
<u>John R Road</u>	0.078	
Turning Lanes for entrance to Incinerator Plant Widen to 40' with 8" cement concrete. Contractor Oak Constr. Co.		3,682.00
Project #161		
<u>Garage</u>	25,000 cu.yds.	
Site grading at Pontiac Lake Road. Earth excavation. Contractor Charles W. Anderson		5,475.00
Project #167		
<u>W. Maple Road</u>	0.43	
From Linden St. to Glenhurst St. Rebuild to 44' with 8" cement concrete and drainage in cooperation with City of Birmingham. Payable from 1955 Budget. County share.		41,718.00

1954

FEDERAL AID SECONDARY ROADS

	<u>Miles</u>	<u>Estimated Cost</u>
Contracts awarded by Michigan State Highway Department.		
Project #146 - F.A.S. S261-3 CS 63-87 (2)		
<u>E. Maple Road</u> (completed)	2.92	
From Livernois Rd. to Dequindre Rd.		
G.D.&S. - Widen to 22'		
With black base - 2½"		
Bituminous conc. surface.		
County share	50%	\$ 47,767.25
Federal share	50%	47,767.25
Contractor Garavaglia		

1954

LOCAL ROAD CONSTRUCTION

	<u>Miles</u>	<u>Estimated Cost</u>
Project #154-A (completed)		
<u>Glengary Road</u>	1.52	
From Benstein Rd. to S. Commerce Rd. G.D.&S. with 21' gravel 8" compacted Contractor William Cinader Commerce Township share 100%		\$ 25,103.28
Project #154-B (completed)		
<u>Decker Road</u>	1.40	
From W. Maple Rd. to S. Commerce Rd. G.D.&S. with 21' gravel 8" compacted. Contractor Wm. Cinader Commerce Township share 100%		20,518.76
Project #154-C (completed)		
<u>W. Maple Road</u>	1.07	
From W. Township line to Wixom Rd. G.D.&S. with 21' gravel 8" compacted Contractor Wm. Cinader Commerce Township share 100%		16,840.18
Project #155 (completed)		
<u>Cedar Road</u>	0.662	
From Round Lake Rd. to Union Lake Rd. G.D.&S. with 21' gravel 8" compacted Contractor C.W. Anderson White Lake Township share 100%		11,916.99
Project #156 (completed)		
<u>Crescent Lake Road</u>	0.303	
From M-59 south 1600 feet. G.D.&S. with 21' gravel 8" compacted Contractor C.W. Anderson Waterford Township share Waterford Schools	50% 50%	5,728.21

	<u>Miles</u>	<u>Estimated Cost</u>
Project #158-A (completed)		
<u>Grove Street</u>	0.126	
From Cass Lake Rd. west to alley and Cass Lake Front to north line Lot #11. G.D.&S. with 21' gravel base and 2" Bituminous Aggregate surface. Contractor A.&A. Asphalt Co. West Bloomfield Township Assessment District 100%		\$ 3,335.64
Project #158-B (completed)		
<u>Moss Street</u>	0.062	
From Cass Lake Rd. to Sylvan Glen St. G.D.&S. with 21' gravel base and 2" Bituminous Aggregate surface. Contractor Detroit Concrete Products Co. West Bloomfield Township Assessment District 100%		1,300.00
Project #159 (completed)		
<u>Fisher Street</u>	0.502	
From Glengary Rd. to Oakley Park Rd. G.D.&S. with 21' gravel 8" compacted. Contractor Doherty and Doherty. Commerce Township share 100%		6,066.81



1955

PROPOSED CONSTRUCTION FEDERAL AID PROJECTS

	<u>Miles</u>	<u>Estimated Cost</u>
Project #144 F.A.S. S 643-4 CS 63-92		
<u>Twelve Mile Road</u> (contract awarded)		
From U.S.-16 to Haggerty Rd. 4.965		
G.D.&S. widen to 22' with gravel and black base.		
2½" Bituminous Conc. resurface.		
Contractor A. & A. Asphalt Co.		
Federal Aid 50% - \$83,659.97		
County share 50% - 83,659.97		\$ 83,659.97 ✓
Project #163 F.A.S. S-261-4 CS 63-93		
<u>W. Maple Road</u>	6.25	
From Orchard Lake Road to M-218		
Widen to 22' and resurface with 2½" Bituminous concrete.		
Federal Aid 50% \$85,000		
County share 50% 85,000		85,000.00 ✓
Project #166 F.A.S. S 567		
<u>General Motors Road</u>	2.3	
From West Limits of Village of Milford to Hickory Grove Rd.		
Widen to 22' and resurface with 2½" Bituminous concrete.		
Federal share 50% - \$27,500		
County share 50% - 27,500		27,500.00 ✓

1955

PROPOSED CONSTRUCTION COUNTY PRIMARY ROADS

	<u>Miles</u>	<u>Estimated Cost</u>
Project #145		
<u>West Long Lake Road</u>	4.13	
From Orchard Lake Rd. to U.S.-24 Remove old concrete to improve grade in sections. Replace with 20' concrete pavement widen ex. 16' cement conc. pavement to 20' grade and drainage structures.		
		\$160,000.00
Project #168		
<u>Hickory Ridge &amp; Stobart Roads</u>	1.89	
From W. Co. Line to General Motors Rd. Surface ex. gravel base with 2" Bit. Agg. 20 feet wide.		
		32,000.00
Project #164		
<u>Ten Mile Road</u>	3.60	
From Ridge Rd. to Southfield Rd. Widen ex. 20' conc. pavement to 22 feet. resurface with 2½" Bit. Conc. - grade and drain.		
		97,200.00
Project #165		
<u>Livernois Road</u>	3.00	
From E. Long Lake Rd. to M-59 Widen ex. 20' conc. pavement to 22 feet - resurface with 2½" Bit. Conc.- grade and drain.		
		70,000.00
Project #169		
<u>Ridge Road</u>	1.00	
From Eight Mile Rd. to Nine Mile Rd. Widen ex. conc. pavement to 44 feet with cement conc. in cooperation with City of Ferndale. County share 50%		
		28,400.00

Handwritten calculations and notes:

20.73

114.71

14501

2090

71

	<u>Miles</u>	<u>Estimated Cost</u>
Project #170		
<u>Nine Mile Road</u>	2.35	
From Greenfield Rd. to W. Limits Ferndale Widen ex. 20' conc. pavement to 44 feet with cement conc. in cooperation with City of Oak Park County share 50%		\$ 91,920.00
Project #171		
<u>Nine Mile Road</u>	0.33	
From W. Limits City of Ferndale to Ridge Road. Widen ex. 20' conc. pavement to 44' with cement conc. in cooperation with City of Ferndale County share 50%		13,000.00
Project #172		
<u>Livernois Road (Main St.)</u>	0.50	
From S. Limits City of Clawson to Fourteen Mile Road Widen ex. 20' conc. pavement to 44' with cement concrete in cooperation with City of Clawson County share 50%		30,300.00
Project #173		
<u>Livernois Road (Main St.)</u>	1.93	
From S. Limits City of Clawson to Crooks Road. Widen existing 20' pavement to 44' with cement conc. in cooperation with City of Royal Oak County share 50%		90,000.00
Project #174		
<u>John R Road</u>	2.00	
From Eight Mile to Ten Mile Road Widen ex. pavement from 9½ Mile to Ten Mile Road to 44' with cement concrete pavement. Resurface 2 miles with 2½" Bituminous Conc. in cooperation with City of Hazel Park County share 50%		52,000.00

Local roads which are planned and financed by Townships or on petition will be added to the construction program when said road construction is definitely established.

The foregoing primary road projects will be placed under contract as rapidly as engineering surveys and finances are available.

The following pages constitute our financial report for the year 1954.

Respectfully submitted,

BOARD OF COUNTY ROAD COMMISSIONERS  
OF THE COUNTY OF OAKLAND, MICHIGAN

By Lee O. Brooks  
Chairman

Sol D. Lomerson  
Member

Robert O. Felt  
Member

## OAKLAND COUNTY ROAD COMMISSION

## BALANCE SHEET

For the Calendar Year Ending December 31, 1954

## ASSETS

## Current Assets

County Treasure's Account - Cash		370,972.66	
Imprest Cash Accounts		150.00	
Payroll Bank Account		1,000.00	
Accounts Receivable			
State of Michigan	118,162.75		
Reimbursable Expenditures	145,659.60		
Other	<u>514.50</u>	264,336.85	636,459.51
County Owned Gravel Pits		85,294.64	
Less Reserve for Depletion		<u>138,757.16</u>	- 53,462.52

## Inventories:

Materials and Parts in Stock			114,428.63
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## Fixed Assets:

Land		28,117.03	
Buildings	255,793.94		
Less Reserve for Depreciation	<u>148,803.06</u>	106,990.88	
Equipment - Road	1,539,593.70		
Less Reserve for Depreciation	<u>807,829.04</u>	731,764.66	
Equipment - Shop	22,867.54		
Less Reserve for Depreciation	<u>15,826.31</u>	7,041.23	
Equipment - Office	30,922.76		
Less Reserve for Depreciation	<u>16,602.09</u>	<u>14,320.67</u>	888,234.47
Farmington - Brighton Expressway Obligation			<u>296,250.00</u>

## Total Assets

1,881,910.09

## LIABILITIES AND EQUITY

## Current Liabilities:

Accounts Payable		23,855.45	
Notes Payable - County Highway		180,000.00	
Loan Payable - Act No 50 PA 1948		<u>46,455.50</u>	250,310.95

## Fixed Liabilities

Bonded Debt - Limited Access Highway			296,250.00
Tax Bonds			

## County Road Equity

1,335,349.14

## TOTAL LIABILITIES AND EQUITY

1,881,910.09

## BOARD OF OAKLAND COUNTY ROAD COMMISSIONERS

## Financial Report - County Road Fund - Year 1954

## SUMMARY SHEET

## COUNTY HIGHWAY INCOME

State Motor Vehicle Highway Funds	Primary System	Local System	
Engineering Services	3,930.00	1,070.00	5,000.00
County Road Systems	2,163,301.65	588,929.84	2,752,231.49
Emergency Advance			303,908.96
County Raised Revenue			208,126.70
Cash Received from Accounts Receivable			493,829.18
Total Income			<u>3,763,096.33</u>
Total Cash Funds			<u>569,191.67</u>
Total of All Available Funds			<u><u>4,332,288.00</u></u>

## COUNTY HIGHWAY EXPENDITURES

Administration - Engineering Accounting	71,214.92	23,451.20	
Construction - Roads and Structures	1,006,477.73	83,486.78	
Maintenance - Roads and Structures	1,295,030.67	899,242.22	
Total Primary and Local Road Expenditures	<u>2,372,723.32</u>	<u>1,006,180.20</u>	3,378,903.52
Land and Buildings (Capital Expenditures)			3,089.00
Net Debits or Credits-Materials Account			- 81,557.61
Net Debits or Credits-Equipment Account			81,291.21
Road and Structures	<u>67,350.00</u>		
Total Dept. Service Expenditures			67,350.00
Reimbursable Expenditures			508,518.72
Total Expenditures			<u>3,957,594.84</u>
Accounts Payable or Accrued Accounts			2,570.50
Total of Cash Disbursements			<u>3,960,165.34</u>
Total Cash Funds			<u>372,122.66</u>
Total of Road Systems Funds	<u>2,440,073.32</u>	<u>1,006,180.20</u>	
Total of Expenditures and Unexpended Balances			<u><u>4,332,288.00</u></u>

## Financial Report - Continued

COUNTY HIGHWAY INCOME

State Motor Vehicle Highway Fund			
County Engineering Service			
Primary Road Fund	3,930.00		
Local Road Fund	<u>1,070.00</u>		
Total Engineering Service		5,000.00	
County Primary Road Fund			
Amount of Allocation	2,182,453.05		
75% of Horton Act Adjustment	758.12		
75% of Deduction for Loan Payment	<u>19,909.52</u>		
Net Receipts for Primary Roads		2,163,301.65	
County Local Road Fund			
Amount of Allocation	595,313.61		
25% of Horton Act Adjustment	252.71		
25% of Deduction for Loan Adjustment	<u>6,636.48</u>		
Net Receipts for Local Roads		<u>588,929.84</u>	
Total Net State Raised Revenue			2,757,231.49
County Raised Revenues:			
Property Taxes			
General Highway use (Mileage)	50,000.00		
Delinquent County Road Tax	<u>3,712.86</u>		
Total Property Tax		53,712.86	
Township Participation			
From Contingent or General Fund	<u>205,196.10</u>		
Total Township Participation		205,196.10	
Other Participation			
Total County Raised Revenues		<u>45,000.00</u>	303,908.96
Total Raised Highway Revenue			<u>3,061,140.45</u>
Miscellaneous Receipts			
Earned Income			
Interest Earned	<u>3,812.50</u>		
Total Earned Income		3,812.50	
Sales and Refunds			
Sales of Materials	160,831.35		
Salvage of Equipment	35,704.80		
Sundry Refunds	6,718.99		
Sundry Sales	<u>1,059.06</u>		
Total Sales and Refunds		204,314.20	
Total Miscellaneous Receipts			208,126.70
Total Revenue Receipts			<u>3,269,267.15</u>

## Financial Report - Continued

Cash Received From Accounts Receivable		
State Trunkline Maintenance Contract		318,729.36
Other State Accounts		
Other Highway Dept. Accounts	39,383.74	
Pontiac State Hospital	<u>45.60</u>	
Total Other State Accounts		39,429.34
Intra-County Departments		
County Parks	<u>68.00</u>	
Total Intra-County Accounts		68.00
Other Accounts		
City and Village Accounts	10,445.93	
Inter-County Accounts	5,984.08	
Miscellaneous	45,347.34	
Work Orders	<u>73,825.13</u>	
Total Other Accounts		<u>135,602.48</u>
Total Receipts from Accounts Receivable		<u>493,829.18</u>
Total Income		<u>3,763,096.33</u>
Balance on Hand Beginning of Year		
Cash Balance for Highway Operations		466,241.67
County Road Commission Funds		1,150.00
Imprest Cash and Payroll Account		
Reserves for Debt Retirement		
Motor Vehicle Highway Funds	1,800.00	1,800.00
Other Cash Reserves		<u>100,000.00</u>
Total Cash Funds on Hand Jan. 1, 1954		<u>569,191.67</u>
Total of all Available Funds		<u><u>4,332,288.00</u></u>



## Financial Report - Continued

## Schedule - B

## Township Participation by Townships

<u>Township</u>	<u>General or Contingent Fund</u>	
Aven	2,090.70	
Bloomfield	897.31	
Brandon	9,419.72	
Commerce	85,741.51	←
Farmington	25,154.75	
Highland	23.21	
Holly	236.75	
Novi	2,500.00	
Oakland	4,044.63	
Orion	17,201.75	
Pontiac	2,997.94	
Rose	4,000.00	
Southfield	867.86	
Troy	2,638.96	
Waterford	24,072.81	
West Bloomfield	7,841.65	
White Lake	<u>15,466.55</u>	
Total Participation for all Townships		205,196.10

## COUNTY HIGHWAY EXPENDITURES

## Administration Account

Expenditures		
Salaries, Wages, Expenses, Etc.	146,901.12	
Office Supplies	3,373.68	
Office Building and Equipment Expense	3,562.24	
Miscellaneous	<u>30,413.05</u>	
Total Expenditures		184,250.09
Credits to Administration Accounts		
Charges to Intra-County Accounts	66,496.73	
Charges to State Highway Dept. Accounts	20,574.10	
Charges to Other Reimbursable Accounts	<u>2,513.14</u>	
Total Credits to Administration		<u>89,583.97</u>
Net Administration Expenditures		94,666.12
Administration Proration		
Primary System	71,214.92	
Local System	<u>23,451.20</u>	

## Financial Report - Continued

## COUNTY HIGHWAY EXPENDITURES

	<u>County</u> <u>Primary</u> <u>Road</u> <u>System</u>	<u>County</u> <u>Local</u> <u>Road</u> <u>System</u>
Construction Expenditures (All costs except Administration)		
Construction of Roads (Including Engineering)	1,000,211.78	83,486.78
Vacation and Sick Leave	3,412.04	
Retirement Fund Payments	1,908.62	
Insurance	<u>945.29</u>	
Total Construction Expenditures	<u>1,006,477.73</u>	<u>83,486.78</u>
Maintenance Expenditures (All Costs except Administration)		1,089,964.51
General Highway Maintenance - Roads	954,183.16	768,187.46
General Highway Maintenance - Structures	13,243.96	3,291.19
Snow-Removal, Ice Control, Snow Fence	171,726.49	82,271.31
Traffic Control, (Signs, Signals, Etc.)	85,399.51	6,741.50
Vacation and Sick Leave	38,377.59	21,101.20
Retirement Fund Payments	21,467.61	11,803.56
Insurance	<u>10,632.35</u>	<u>5,846.00</u>
Total Maintenance Expenditures	<u>1,295,030.67</u>	<u>899,242.22</u>
Land and Buildings (Capital Expenditures)		2,194,272.89
Purchase or Construction		<u>3,089.00</u>
Total Capital Expenditures for Land and Buildings		3,089.00
Material Stores Account		
Expenditures		
Materials and Parts Purchased	496,304.07	
Pit Operations (Cost of Gravel)	<u>41,751.28</u>	
Total Expenditures		538,055.35
Credits to Materials Accounts		
Charges to County Construction and Maintenance Projects	360,307.60	
Charges to State Highway Dept, Accounts	14,369.07	
Charges to Other Reimbursable Accounts	61,938.09	
Charges to Equipment Accounts	<u>182,998.20</u>	
Total Credits to Materials Account		619,612.96
Net Debits or Credits of Materials		- 81,557.61

## Financial Report - Continued

## Equipment Account

New Equipment Purchased (Value)		231,707.49	
Equipment Expense			
Equipment Operation (Gas, Oil, Etc.)	102,819.82		
Direct Maintenance (Labor, Parts, and Tires)	328,630.14		
Indirect Maintenance and Storage	<u>107,975.31</u>		
Total Equipment Expense		<u>539,425.27</u>	
Total Equipment Account			<u>771,132.76</u>
Credits to Equipment Account			
Charges to County Construction and Maintenance Projects		559,506.60	
Charges to Pit Operations (Gravel Costs)		16,358.51	
Charges to State Highway Department Accounts		73,855.98	
Charges to Other Reimbursable Accounts		<u>40,120.46</u>	
Total Credits to Equipment Account			<u>689,841.55</u>
Net Debit or Credit of Equipment			<u>81,291.21</u>
Total Highway Expenditures			3,381,726.12

## Debt Service Expenditures

County Primary  
Road FundCounty Local  
Road Fund

## Bonds

Other Bonds - (Farmington -  
Brighton Expressway Limited Access  
Highway Tax Bonds)

3,750.00

3,750.00

## Notes

Roads and Structures

60,000.00

60,000.00

Roads and Structures Interest

3,600.003,600.00

Total Road and Structure Debt

67,350.00

Expenditures

Total Debt Service Expenditures

67,350.00

Reimbursable Expenditures (All costs  
including Administration)

State Trunkline Maintenance Contract

298,386.44

Other State Accounts

Other Highway Dept. Accounts

38,241.17

Pontiac State Hospital

45.60

Total Other State Accounts

38,286.77

Intra-County Accounts

County Parks

1,163.24

Total Intra-County Accounts

1,163.24

## Financial Report - Continued

Other Accounts		
Cities and Villages	2,289.56	
Inter - County	5,996.85	
Miscellaneous	82,113.24	
Work Orders	<u>80,282.62</u>	
Total Other Accounts		<u>170,682.27</u>
Total Reimbursable Expenditures		<u>508,518.72</u>
Total Expenditures		3,957,594.84
Accounts Payable or Accrued Accounts		<u>2,570.50</u>
Total of Cash Disbursements		<u>3,960,165.34</u>

	<u>County Primary Road Fund</u>	<u>County Local Road Fund</u>
Balance on Hand at End of Year		
Cash Balance for Highway Operations		169,622.66
County Road Commission Funds		1,150.00
Imprest Cash and Payroll Funds		
Reserves for Debt Retirement		
Motor Vehicle Highway Funds	1,350.00	1,350.00
Other Cash Reserves - Building Fund		<u>200,000.00</u>
Total Cash Funds on Hand December 31, 1954		<u>372,122.66</u>
Total of Cash Disbursements and Unexpended Balances		<u>4,332,288.00</u>

## Financial Statement - Continued

## County Primary Road Construction

<u>Project No:</u>	<u>Road</u>		
101	Beach Road Bridge		5,940.87
108	Orchard Lake		290.53
109	West Long Lake		62.23
111	Adams		9,369.92
114	Evergreen		40.82
115	Greenfield		1.44
121	Wixom		63.96
122	Pontiac Lake	3,580.16	
	White Lake Township	<u>3,328.29-</u>	
			251.87
127	Orchard Lake		12,226.89
128	Northwestern		384.45
129	Grange Hall		8,338.03
130	Ten Mile		576.79
132	Orchard Lake		50,156.22
133	Crooks		74,081.63
134	Williams Lake		134,876.50
135	Eight Mile		68,491.91
136	Ten Mile		78,915.31
137	Eight Mile	56,877.14	
	Washtenaw County	<u>28,626.29-</u>	
			28,250.85
138	Ten Mile		80,076.95
139	Eleven Mile		58,993.83
140	Nine Mile		25,999.55
141	Big Beaver		15,370.17
142	Oakwood		45,876.79
143	Wixom		50,694.19
144	Twelve Mile		89,226.52
145	West Long Lake		5,715.65
146	Maple		49,245.97
147	Stobart and Hickory Ridge		55,105.63
149	Coolidge		51,545.12

## Financial Statement - Continued

## County Primary Road Construction - Cont.

<u>Project No:</u>	<u>Road</u>		
151	Hiller Huron-Clinton Authority	16,018.07 <u>8,000.00-</u>	8,018.07
152	Academy		3,100.36
154A	Glengary Commerce Township	26,120.92 <u>24,515.04-</u>	1,605.88
154B	Decker Commerce Township	21,196.99 <u>19,946.75-</u>	1,250.24
154C	West Maple Commerce Township	17,528.50 <u>16,351.15-</u>	1,177.35
155	Cedar White Lake Township	12,285.25 <u>10,274.60-</u>	2,010.65
156	Crescent Lake		5,906.67
157	Ten Mile		12,873.71
158A	Grove and Cass Lake Front West Bloomfield Township	3,438.72 <u>3,106.08-</u>	332.64
158B	Moss		82.95
159	Fisher Commerce Township	6,256.33 <u>5,964.87-</u>	291.46
160	John R		84.55
161	Pontiac Lake Road Property		797.30
162	Burdick Street - Oxford		2,743.32
163	Maple		599.18
			<u>1,041,044.92</u>

## Financial Statement - Continued

## County Local Road Construction

<u>Project No:</u>	<u>Road</u>	
122	Pontiac Lake Road	3,328.29
154A	Glengary	24,515.04
154B	Decker	19,946.75
154C	West Maple	16,351.15
155	Cedar	10,274.60
158A	Grove and Cass Lake Front	3,106.08
159	Fisher	<u>5,964.87</u>
		<u>83,486.78</u>

## Financial Report - Continued

## County Primary Road Maintenance

## Concrete Roads

Patching	70,027.10	
Shoulders and Side Approaches	32,737.59	
Roadside and Drainage	75,365.30	
Traffic Service	43,560.48	
Snow and Ice Control	68,290.14	
Municipal Contracts	15,879.15	
Bridge Maintenance	5,896.29	
Vacations, Sick Leave, Pension & Insurance	19,194.94	
Distributive Expense	30,547.56	
Overhead and Engineering	<u>10,452.76</u>	371,951.31

## Bituminous Roads

Patching	83,152.84	
Resurfacing	60,480.17	
Shoulders and Side Approaches	6,283.77	
Roadside and Drainage	49,500.38	
Traffic Service	25,680.94	
Snow and Ice Control	73,307.74	
Bridge Maintenance	7,332.34	
Vacations, Sick Leave, Pensions & Insurance	18,770.65	
Distributive Expense	31,062.40	
Overhead and Engineering	<u>10,403.32</u>	365,974.55

## Gravel Roads

Patching	62,325.88	
Dragging	52,360.35	
Dust Palliatives	47,268.44	
Resurfacing	78,243.67	
Shoulders and Side Approaches	1,741.58	
Roadside and Drainage	200,664.72	
Traffic Service	16,158.09	
Snow and Ice Control	30,128.61	
Vacations, Sick Leave, Pensions & Insurance	32,424.00	
Distributive Expense	49,572.82	
Overhead and Engineering	<u>22,864.38</u>	593,752.54

## Total Primary Road Maintenance

1,331,678.40



## County Local Road Maintenance - Cont.

<u>Township:</u>	
Addison	12,589.79
Avon	43,313.28
Bloomfield	60,875.26
Brandon	22,048.74
Commerce	59,646.16
Farmington	90,542.06
Greveland	13,168.93
Highland	18,256.32
Holly	12,883.41
Independence	23,424.94
Lyon	9,744.63
Milford	11,859.13
Novi	21,255.81
Oakland	19,031.34
Orion	35,790.47
Oxford	13,483.08
Pontiac	25,606.20
Rose	19,673.93
Royal Oak	47,025.42
Southfield	111,247.41
Springfield	17,976.88
Troy	34,270.13
Waterford	117,704.94
West Bloomfield	53,890.77
White Lake	<u>27,384.39</u>

922,693.42

B U D G E T  
OAKLAND COUNTY

"C" LOCAL ROADS

Local Road Budget for 1954 \$588,929.84  
65% prorated on "C" Mileage - \$382,804.40  
35% prorated on 1950 Rural Population - \$206,125.44

Townships	65% "C" Mileage		35% Population		Total Budget	Rate Per Mile
	Mileage	Amount	Population	Amount		
Addison	45.50	9379.98	900	1213.66	10593.64	232.83
Avon	83.59	17232.37	8903	12005.80	29238.17	349.78
Bloomfield	128.70	26531.96	3851	5193.11	31725.07	246.50
Brandon	49.00	10101.52	1447	1951.30	12052.82	245.98
Commerce	72.56	14958.50	7421	10007.31	24965.81	344.07
Farmington	107.98	22260.45	11224	15135.70	37396.15	346.32
Groveland	42.90	8843.99	981	1322.89	10166.88	236.99
Highland	50.65	10441.68	2944	3970.01	14411.69	284.53
Holly	44.63	9200.63	1367	1843.41	11044.04	247.46
Independence	61.32	12641.33	3448	4649.67	17291.00	281.98
Lyon	37.65	7761.68	1647	2221.00	9982.68	265.14
Milford	43.89	9048.08	1065	1436.16	10484.24	238.88
Novi	48.54	10006.69	3827	5160.75	15167.44	312.47
Oakland	51.69	10656.07	1343	1811.05	12467.12	241.19
Orion	64.01	13195.89	4780	6445.89	19641.78	306.85
Oxford	45.30	9338.75	1837	2477.22	11815.97	260.84
Pontiac	44.94	9264.54	6210	8374.26	17638.80	392.50
Rose	54.90	11317.83	1105	1490.11	12807.94	233.30
Royal Oak	52.10	10740.60	20966	28272.90	39013.50	748.82
Southfield	179.43	36990.13	18499	24946.12	61936.25	348.18
Springfield	57.14	11779.61	1825	2461.04	14240.65	249.22
Troy	81.92	16888.10	10087	13602.44	30490.54	372.20
Waterford	189.15	38993.94	24275	32735.13	71729.07	379.22
West Bloomfield						
	126.84	26148.51	8720	11759.03	37907.54	298.86
White Lake	92.56	19081.57	4182	5639.48	24721.05	267.08
<b>Total</b>	<b>1856.89</b>	<b>382,804.40</b>	<b>152854</b>	<b>206125.44</b>	<b>588929.84</b>	<b>317.16</b>
Per Mile	206.1535					
Per Unit			1.3485			

## B U D G E T

## OAKLAND COUNTY

## "C" LOCAL ROADS

Local Road Budget for 1955 \$ 588,929.84  
 65% Prorated on "C" Mileage - \$382,804.40  
 35% Prorated on 1950 Rural Population - \$206,125.44

Townships	65% "C" Mileage		35% Population		Total Budget	Rate Per Mile
	Mileage	Amount	Population	Amount		
Addison	44.59	9360.67	900	1213.72	10574.39	237.15
Avon	88.07	18488.29	8903	12005.77	30494.06	346.25
Bloomfield	132.13	27737.68	3851	5193.14	32930.82	249.23
Brandon	51.61	10834.35	1447	1951.35	12785.70	247.74
Commerce	59.55	12501.17	7421	10007.29	22508.46	377.98
Farmington	113.70	23868.72	11224	15135.64	39004.36	343.05
Groveland	41.27	8663.71	981	1322.95	9986.66	241.98
Highland	54.43	11426.35	2944	3970.06	15396.41	282.87
Holly	41.48	8707.79	1367	1843.47	10551.26	254.37
Independence	63.11	13248.51	3448	4649.70	17898.21	283.60
Lyon	37.33	7836.60	1647	2221.05	10057.65	269.43
Milford	42.66	8955.51	1065	1436.22	10391.73	243.59
Novi	53.57	11245.81	3827	5160.78	16406.59	306.27
Oakland	47.57	9986.25	1343	1811.11	11797.36	248.00
Orion	67.51	14172.19	4780	6445.90	20618.09	305.41
Oxford	44.19	9276.69	1837	2477.27	11753.96	265.99
Pontiac	40.88	8581.84	6210	8374.26	16956.10	414.78
Rose	56.33	11825.21	1105	1490.16	13315.37	711.84
Royal Oak	61.28	12864.35	20966	28272.72	41137.07	671.30
Southfield	143.35	30093.06	18499	24945.97	55039.03	383.95
Springfield	56.93	11951.14	1825	2461.08	14412.22	253.16
Troy	88.04	18481.97	10087	13602.40	32084.37	364.43
Waterford	194.20	40767.82	24275	32734.92	73502.74	378.10
West Bloomfield	131.36	27576.01	8720	11759.00	39335.01	299.44
White Lake	68.37	14352.71	4182	5639.51	19992.22	292.41
Total	1823.51	382804.40	152854	206125.44	588929.84	322.96
Rate Per Mile	209.927					
Rate Per Unit	1.3485					

BOARD OF COUNTY ROAD COMMISSIONERS  
 COMPARATIVE STATEMENT OF ESTIMATED  
 REVENUE AND EXPENDITURES, CASH INCOME  
 AND EXPENDITURES FOR THE YEAR 1954

<u>Income:</u>	<u>Estimated</u>	<u>Actual</u>	<u>Under or Over Estimate</u>
Cash on Hand - Jan. 1, 1953	468,041.67	468,041.67	
Motor Vehicle Money - Net	2,611,454.00	2,757,231.49	145,777.49
Appropriation by County	50,000.00	50,000.00	
Appropriations by Townships		205,196.10	205,196.10
Rental of Golf Course and Parks		68.00	68.00
Sale of Materials		161,890.41	161,890.41
Refunds		6,718.99	6,718.99
Miscellaneous Income		52,525.36	52,525.36
Salvage of Equipment - Sold and Traded		35,704.80	35,704.80
	<u>3,129,495.67</u>	<u>3,737,376.82</u>	<u>607,881.15</u>
 <u>Expenditures:</u>			
Maintenance			
County Primary Roads	1,038,795.88	1,295,030.67	256,234.79
County Local Roads	666,099.79	899,242.22	233,142.43
Construction			
County Primary Roads	976,000.00	1,006,477.73	30,477.73
County Local Roads		83,486.78	83,486.78
Buildings	10,000.00	3,089.00	6,911.00-
New Equipment (Value)	150,000.00	231,707.49	81,707.49
Administrative Expense	125,000.00	94,666.12	30,333.88-
Reserve for Building Fund	100,000.00	100,000.00	
Debt Service	63,600.00	67,350.00	3,750.00
	<u>3,129,495.67</u>	<u>3,781,050.01</u>	<u>651,554.34</u>

## OAKLAND COUNTY ROAD COMMISSION

## Anticipated Revenue and Expenditures

1955

Cash on hand January 1, 1955	\$	370,972	
Less reserve for building fund		<u>200,000</u>	
	\$	170,972	\$ 170,972
Estimated Revenue			
Motor Vehicle Fund	\$	2,950,000	
Less Loans Payable			
Act #50 P.A. 1948	\$	26,546	
Act #43 P.A. 1943		63,600	
Act #205 P.A. 1941		<u>15,000</u>	
as amended	\$	<u>105,146</u>	
	\$	2,844,854	
Appropriation by Board of Supervisors		<u>50,000</u>	
			<u>\$2,894,854</u>
Total Estimated Available Funds			<u>\$3,065,826</u>
Estimated Expenditures			
Maintenance			
Primary Roads	\$	1,200,000	
Local Roads		<u>600,000</u>	
			\$1,800,000
Other Expense			
Buildings	\$	10,000	
Equipment		50,000	
Administration		140,000	
Reserve for building fund		200,000	
Construction		<u>865,826</u>	
			<u>\$1,265,826</u>
			\$3,065,826

3 bills in Texas last of May or 1st of June

- 1. sets Tax Commission (2 who should)
- 2. Allocation to 2 who back -

Meet Today

within 10 days set  
Temp millage -

10 - per mil -

54 ←

55 ←

st ←

