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THE NEWS LETTER

OF THE

BUREAU OF PUBLIC ROADS

VOL. 3, NO. 6

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A. C. ROSE, EDITOR

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THE WORK OF THE BUREAU FOR THE NATIONAL PARK SERVICE

EXTRACT FROM AN ADDRESS MADE BY DR. HEWES AT THE ANNUAL CONFERENCE OF THE PARK SUPERINTENDENTS OF THE NATIONAL PARK SERVICE HELD IN SAN FRANCISCO, CALIF. ON FEBRUARY 16, 1928.

(NOT FOR RELEASE)

THE WORK OF THE BUREAU FOR THE NATIONAL PARK SERVICE PROPERLY BEGINS WITH THE SURVEY, BY CAPTAIN KITTREDGE, OF THE TRANSMOUNTAIN HIGHWAY IN GLACIER PARK IN THE FALL OF 1924. THE CONTRACT FOR THIS WORK WAS AWARDED IN JUNE, 1925, AND THE WORK IS NOW 90 PER CENT COMPLETE. SINCE THEN THE BUREAU HAS SURVEYED 52 ADDITIONAL PROJECTS IN THE NATIONAL PARKS IN THE WEST, AT A COST OF \$356,969. THIS IS AT THE RATE OF APPROXIMATELY \$426 PER MILE FOR FINISHED PLANS FOR 838 MILES, BUT THIS FIGURE INCLUDES 491 MILES ON WHICH PLANS AND ESTIMATES WERE ONLY 74 PER CENT COMPLETE ON THE FIRST OF THE YEAR BUT WITH ESTIMATED COMPLETE COSTS.

THE BUREAU HAS HANDLED CONSTRUCTION IN THE NATIONAL PARKS ON 61 PROJECTS. WORK ALREADY BEGUN BY THE PARK SERVICE WAS COMPLETED ON 90.7 MILES, AND WORK IS NOW UNDER WAY ON AN ADDITIONAL 157.3 MILES, MAKING A TOTAL OF 248 MILES OF CONSTRUCTION. THE COST OF THIS CONSTRUCTION WORK, INCLUDING ENGINEERING, IS ESTIMATED AT \$7,470,443, WHICH FIGURE INCLUDES \$581,388 EXPENDED BY THE PARK SERVICE AND ALSO THE ESTIMATED AMOUNT NECESSARY TO COMPLETE THE GOING PROJECTS. THIS CONSTRUCTION IS THUS AT AN AVERAGE COST OF \$30,122 PER MILE. OUR ESTIMATED RESIDENT ENGINEERING TO DATE IS ABOUT 5.7 PER CENT OF THE TOTAL COST AND THE INDICATIONS ARE THAT THIS RATE IS STABILIZED. FOR COMPARISON, OUR ENGINEERING COSTS ON FOREST HIGHWAYS UP TO THE FIRST OF THIS YEAR HAVE BEEN 7.1 PER CENT OF THE TOTAL COST. THE CONSTRUCTION IN THE FORESTS HAS NOT AVERAGED AS HEAVY AS IN THE PARKS AND THIS ACCOUNTS FOR THE SLIGHTLY INCREASED PERCENTAGE OF ENGINEERING. FOR SURVEYS IN THE NATIONAL FORESTS WE HAVE AVERAGED 2.4 PER CENT OF THE TOTAL COSTS, AND OUR ADMINISTRATIVE EXPENSE HAS AVERAGED 2.7 PER CENT. THESE FIGURES ARE FOR A TOTAL OF APPROXIMATELY FIFTY MILLION DOLLARS WORTH OF FOREST HIGHWAYS. THAT IN BRIEF IS THE REPORT OF WORK DONE TO DATE IN THE NATIONAL PARKS.

DURING THE PAST FALL, BY AN ARRANGEMENT APPROVED BY THE SECRETARY OF THE INTERIOR, WE MADE AN INSPECTION OF ABOUT 92 MILES OF PARK HIGHWAYS WHICH IT IS EXPECTED TO LET TO CONTRACT WITHIN THE NEXT 90 DAYS. THIS MILEAGE IS DISTRIBUTED IN 16 PROJECTS AND

THE WORK OF THE BUREAU
IN CONNECTION WITH THE
GLACIER PARK IN THE
STATE OF MONTANA
DURING THE YEAR 1907

(NOT FOR PUBLICATION)

The work of the Bureau in connection with the Glacier Park in the State of Montana during the year 1907 has been largely in the nature of a preliminary survey. The principal objects of this survey have been to determine the extent of the park, to ascertain the natural features of the park, and to make a general description of the park. The results of this survey are given in the following pages.

The Bureau has received from the State of Montana a large amount of material for the purpose of making a general description of the park. This material consists of a large number of photographs, a number of maps, and a number of reports. The photographs show the general appearance of the park, and the maps show the location of the park. The reports contain a description of the park, and a list of the natural features of the park. The results of this survey are given in the following pages.

THE ESTIMATE OF CONSTRUCTION IS APPROXIMATELY \$4,000,000. PLANS FOR THESE PROJECTS ARE NOW ABOUT READY.

BUT THE ABOVE FIGURES DO NOT TELL THE ENTIRE STORY OF HIGHWAY TRANSPORTATION AS AFFECTING THE NATIONAL PARKS. WITHIN A ZONE FOR THE MOST PART NOT EXCEEDING FIFTY MILES FROM THE WESTERN NATIONAL PARKS, THERE HAVE BEEN CONSTRUCTED BY THE BUREAU FOREST HIGHWAYS LEADING THERETO, TOTALLING 641 MILES, AT A COST OF ABOUT \$7,700,000, AND THERE IS PROJECTED FOR THE 1928 SEASON APPROXIMATELY \$355,000 FOR ADDITIONAL APPROACH HIGHWAYS.

ON THE FEDERAL-AID HIGHWAY SYSTEM THERE HAS ALSO BEEN AN IMPRESSIVE EXPENDITURE FOR HIGHWAYS IN A CORRESPONDING ZONE SURROUNDING THE NATIONAL PARKS. THE TOTAL MILEAGE OF FEDERAL-AID DIRECT-APPROACH PROJECTS IS 478, AND THE TOTAL COST \$8,807,967, OF WHICH FEDERAL FUNDS ARE \$5,374,284. THE AMOUNT BUDGETED FOR THIS YEAR (1928) FOR SUCH DIRECT-APPROACH FEDERAL-AID ROADS IS \$1,799,000. THUS THE TOTAL HIGHWAY CONSTRUCTION FINISHED OR GOING ON AND BENEFITING DIRECTLY THE NATIONAL PARKS AND INVOLVING FEDERAL FUNDS AND SUPERVISION, AMOUNTS TO \$20,539,673, WITH \$6,154,000 ADDITIONAL PROGRAMMED FOR THIS YEAR - A GRAND TOTAL OF \$26,693,673 DIRECTLY TO THE ADVANTAGE OF PARK TRAFFIC.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PUBLIC ROADS

STATUS OF CURRENT FEDERAL-AID ROAD WORK
FOR THE FISCAL YEAR ENDING JUNE 30, 1928

AS OF MARCH 31, 1928

STATES	BALANCE OF FEDERAL-AID FUND AVAILABLE FOR NEW PROJECTS			* UNDER CONSTRUCTION			AMOUNT PAID DURING FISCAL YEAR			COMPLETED AND PAID DURING FISCAL YEAR			AGREEMENTS NOW IN FORCE			P. S. & E. RECOMMENDED FOR APPROVAL BY DISTRICT ENGINEER			STATES	
	FEDERAL AID			FEDERAL AID			FEDERAL AID			FEDERAL AID			FEDERAL AID			FEDERAL AID				
	MILEAGE	ORIGINAL	STAGE	MILEAGE	ORIGINAL	STAGE	MILEAGE	ORIGINAL	STAGE	MILEAGE	ORIGINAL	STAGE	MILEAGE	ORIGINAL	STAGE	MILEAGE	ORIGINAL	STAGE		
Alabama	4,362	339.77	57.8	821	529.02	35.1	222	863.69	108.9	712	526.69	310	128.74	407.4	26.5	\$	1,224,053.97	133.0	31.2	Alabama
Arizona	3,949	271.70	4.4	861	152.66	0.5	56	152.66	15.7	40	988.41	0.3	0.3	4.9	4.9		40,989.41	0.3	0.3	Arizona
Arkansas	4,241	320.55	245.0	2,109	648.77	26.0	315	759.59	18.4	32	922.87	15.4	15.4	222.2	222.2		530,609.59	49.9	2.0	Arkansas
California	4,321	635.69	155.1	3,682	214.87	9.3	155	078.73	103.1	2,015	600.28	0.4	0.4	144.5	144.5		496,508.47	20.9	2.0	California
Colorado	3,384	155.78	12.0	3,098	689.84	235.8	2,307	335.84	36.4	1,055	542.96	0.4	0.4	234.5	234.5		247,060.30	19.3	1.3	Colorado
Connecticut	605	113.62	57.4	1,353	375.63	11.8	190	451.17	35.4	339	385.23	35.8	35.8	63.9	63.9		92,142.76	5.3	1.8	Connecticut
Delaware	241	409.97	3.9	209	508.50	11.3	104	568.27	8.0	303	860.84	34.4	34.4	11.3	11.3		125,283.30	8.0	1.8	Delaware
Florida	1,359	366.77	5.4	2,494	574.68	182.7	5.4	377	82.10	2,026	119.96	83.1	24.7	226.3	226.3		684,149.65	54.2	5.4	Florida
Georgia	1,184	512.96	200.8	2,380	592.20	200.8	486	312.12	42.3	1,755	546.99	235.0	121.0	156.9	156.9		895,078.77	88.2	26.8	Georgia
Idaho	683	581.13	151.7	1,314	285.44	151.7	322	950.12	16.0	1,050	478.15	114.3	14.8	110.7	110.7		725,002.54	57.0	46.2	Idaho
Illinois	2,062	988.02	73.2	1,643	789.57	498.6	2,130	931.63	207.5	3,325	231.55	67.9	67.9	386.2	386.2		1,383,221.53	231.7	2.3	Illinois
Indiana	379	559.23	37.2	5,288	686.92	102.3	1,483	931.63	102.3	2,471	687.84	166.7	166.7	386.2	386.2		1,383,221.53	94.3	3.5	Indiana
Iowa	1,735	612.82	167.2	4,291	648.82	538.6	1,853	053.09	104.5	2,842	689.94	393.4	66.5	238.5	238.5		989,004.45	79.0	7.9	Iowa
Kansas	2,175	815.64	349.6	3,982	390.70	349.6	42	178,581.72	23.5	2,099	236.81	122.6	36.9	366.5	366.5		226,773.07	26.6	3.4	Kansas
Kentucky	1,276	276.69	7.5	2,099	183.03	196.0	531	344.70	51.8	587	034.17	48.5	48.5	178.5	178.5		753,764.93	68.3	6.8	Kentucky
Louisiana	3,327	903.13	33.9	453	994.44	33.9	43	956.00	5.6	469	884.26	732	746.76	61.7	61.7		497,950.44	38.5	3.8	Louisiana
Maine	629	573.28	33.4	2,097	701.70	130.5	31	500.00	2.1	158	264.74	684	194.40	71.2	71.2		310,176.05	33.4	3.4	Maine
Massachusetts	2,583	239.41	3.5	4,712	891.31	273.1	1,807	202.00	103.6	2,084	404.11	9.6	9.6	281.3	281.3		88,506.69	6.1	6.5	Massachusetts
Michigan	1,285	633.66	216.7	1,203	100.00	216.7	3,037	000.00	124.7	1,978	203.15	2,201	398.90	248.7	248.7		2,659,655.50	141.9	8.1	Michigan
Minnesota	1,079	823.92	286.5	2,587	145.37	286.5	471	348.54	43.8	1,510	814.63	166.8	15.0	246.7	246.7		845,000.00	80.1	67.5	Minnesota
Mississippi	2,415	892.61	206.3	2,377	641.91	206.3	227	670,397.18	58.9	2,289	008.18	689.2	26.4	210.1	210.1		192,662.44	16.8	13.8	Mississippi
Missouri	4,982	254.96	319.6	2,807	171.20	319.6	1,020	333.46	189.2	1,391	595.42	461	911.70	67.9	67.9		276,271.79	42.2	16.3	Missouri
Montana	1,936	398.97	103.8	5,286	655.43	103.8	154	167.91	30.7	2,219	045.32	2,688	847.30	576.8	576.8		60,312.66	0.2	0.2	Montana
Nebraska	897	763.46	27.3	1,524	773.83	196.8	148	534.92	16.8	673	862.74	583	479.11	78.1	78.1		177,210.00	13.5	13.5	Nebraska
Nevada	313	195.18	22.0	352	772.73	22.0	64	607.96	1.8	315	972.87	372	238.38	27.8	27.8		277,331.15	19.0	19.0	Nevada
New Hampshire	757	912.00	82.2	797	536.62	82.2	177	210.00	13.5	1,109	130.00	1,109	130.00	74.0	74.0		184,140.00	13.5	13.5	New Hampshire
New Jersey	2,160	449.49	181.3	2,655	180.28	181.3	1,021	988.80	12.9	1,190	066.06	882	413.37	99.9	99.9		277,331.15	19.0	19.0	New Jersey
New Mexico	6,699	507.47	584.3	9,269	281.48	584.3	1,326	74.50	86.9	3,860	990.84	2,710	163.93	174.7	174.7		10,844,713.96	689.9	8.5	New Mexico
New York	1,486	451.93	165.5	982	488.18	165.5	1,404	764.14	64.4	1,431	904.69	112.9	9.7	342.1	342.1		833,764.14	64.4	7.4	New York
North Carolina	4,081	176.95	22.6	3,093	649.92	22.6	518	946.47	171.6	1,243	688.76	488	542.1	645.6	645.6		950,461.63	77.5	18.2	North Carolina
North Dakota	1,364	800.50	388.1	2,131	457.18	388.1	2,036	528.24	54.8	1,819	084.74	2,809	029.87	231.9	231.9		1,850,866.28	97.0	8.8	North Dakota
Ohio	1,464	800.50	11.2	3,327	648.98	388.1	2,036	528.24	54.8	1,819	084.74	2,809	029.87	231.9	231.9		1,850,866.28	97.0	8.8	Ohio
Oklahoma	2,813	676.32	9.2	1,327	866.88	71.2	2,045	118.11	8.6	506	984.38	928	330.31	153.1	153.1		1,550,960.51	97.5	14.0	Oklahoma
Oregon	2,813	520.42	24.2	4,526	930.97	24.2	2,045	739.98	133.5	2,675	911.67	2,675	911.67	312.2	312.2		50,712,700.40	312.2	31.2	Oregon
Pennsylvania	644	897.63	129.1	389	422.41	129.1	137	825.00	38.4	805	153.91	1,198	355.38	70.7	70.7		38,835.00	2.6	2.6	Pennsylvania
Rhode Island	153	714.66	263.1	2,589	985.16	263.1	2,589	985.16	263.1	2,589	985.16	263.1	263.1	263.1	263.1		930,601.25	74.0	77.9	Rhode Island
South Carolina	900	294.50	629.8	2,589	582.26	629.8	2,589	582.26	629.8	2,589	582.26	629.8	629.8	629.8	629.8		289,273.66	59.2	85.4	South Carolina
South Dakota	832	337.02	210.8	1,128	728.14	210.8	2,381	404.26	36.1	685	283.63	1,980	534.64	96.3	96.3		1,927,785.43	66.8	14.3	South Dakota
Tennessee	6,189	200.60	431.3	6,189	355.16	431.3	2,427	105.34	355.8	3,239	463.30	4,227	105.34	355.8	355.8		1,356,805.81	126.8	61.8	Tennessee
Texas	601	204.18	133.9	1,877	678.04	133.9	46	140.00	4.4	873	425.91	804	449.43	42.8	42.8		550,501.49	48.9	4.4	Texas
Utah	351	589.78	77.7	1,531	148.07	77.7	1,531	148.07	77.7	1,531	148.07	77.7	77.7	77.7	77.7		844,140.00	6.4	6.4	Utah
Vermont	646	424.96	83.6	1,344	600.00	83.6	784	000.00	49.4	1,344	600.00	49.4	49.4	49.4	49.4		744,000.00	42.8	18.1	Vermont
Virginia	948	567.73	176.2	1,344	600.00	176.2	971	103.42	110.6	1,344	600.00	110.6	6.0	176.2	176.2		80,974.43	4.4	4.4	Virginia
Washington	3,142	966.69	19.6	2,337	970.11	19.6	2,615	035.32	44.9	2,615	035.32	44.9	54.9	206.2	206.2		713,854.00	66.2	6.1	Washington
West Virginia	1,121	742.18	18.8	1,322	970.11	18.8	57	968.00	4.4	280	828.77	276	721.48	16.8	16.8		60,363.43	3.2	3.2	West Virginia
Wisconsin	673	164.76	217.4	1,322	970.11	217.4	896	929.67	14.1	479	189.33	479	189.33	14.1	14.1		86,982.55	12.2	5.1	Wisconsin
Wyoming	1,121	742.18	18.8	1,322	970.11	18.8	57	968.00	4.4	280	828.77	276	721.48	16.8	16.8		60,363.43	3.2	3.2	Wyoming
Hawaii																				Hawaii
TOTALS	84,116,118.45	118.45	1,726.3	28,726,350.11	1,726.3	28,726,350.11	1,726.3	28,726,350.11	1,726.3	64,078,747.38	6,692.5	11,686.6	122,913,480.45	11,468.0	11,468.0		32,267,885.09	2,386.3	823.4	TOTALS

* Includes projects reported completed (final vouchers not yet paid) totaling: Federal aid, \$ 39,351,738.01 Mileage: Original 3,179.9 Stage 507.4

COST OF CABLE-WAY FOR ZION PARK GRADING CAMP

COMPILED FROM A REPORT SUBMITTED BY P. J. TRONSON
OF THE DIVISION OF MANAGEMENT

(NOT FOR RELEASE)

BECAUSE THE CONSTRUCTION CAMP, WHICH WAS LOCATED WITHIN EASY WALKING DISTANCE OF THE TUNNEL AND GRADING WORK ON THE ZION NATIONAL PARK PROJECT IN UTAH, WAS INACCESSIBLE TO TRAVEL FROM THE OUTSIDE, IT WAS NECESSARY TO BUILD A CABLE-WAY SHOWN IN THE ACCOMPANYING SKETCH, TO ELEVATE SUPPLIES AND MATERIALS ABOUT 400 FEET UP THE SIDE OF THE CANYON. THE DESCRIPTION AND COSTS OF CONSTRUCTING THE CABLE-WAY, WHICH COVERS A HORIZONTAL DISTANCE OF APPROXIMATELY 800 FEET, FOLLOW:

DESCRIPTION OF CABLE-WAY

THE TOTAL LENGTH OF THE MAIN 1-1/8-INCH CARRIER CABLE USED IN THE CONSTRUCTION WAS 1,200 FEET. TWO SMALLER CABLES OPERATE THE CARRIER WHICH RUNS ON THE MAIN CARRIER CABLE. A 35-HORSE POWER NOVO STATIONARY ENGINE WITH TWO DRUMS WAS USED TO CONTROL THE OPERATING CABLES. THE HOISTING CABLE CONSISTED OF 1,200 FEET OF 5/8-INCH AND 800 FEET OF 1/2-INCH CABLE, AND THE PULL-BACK CABLE WAS 1,400 FEET IN LENGTH. AT THE UPPER END, THE 1-1/8-INCH MAIN CARRIER CABLE WAS PASSED OVER AN A-FRAME AND ANCHORED TO A LARGE ROCK, AND AT THE BOTTOM IT WAS FASTENED TO A "DEADMAN", FIXED IN THE TOP OF THE CLIFF, ABOUT 75 FEET ABOVE WHERE THE CARRIER WAS LOADED. WHEN THE PULL-BACK CABLE IS RELEASED, THE CARRIER DESCENDS PREPARATORY TO LOADING OR UNLOADING. MATERIALS ARE TRANSPORTED EITHER BY PLACING IN A 3-1/2-FOOT BY 8-FOOT BOX PROVIDED FOR THE PURPOSE, OR BY PICKING THEM UP DIRECTLY WITH THE LIFTING HOOK.

THE METHOD OF CONSTRUCTION CONSISTED IN PULLING THE 5/8-INCH CABLE TO THE TOP BY HAND, PASSING IT OVER THE PULLEY AND BACK TO THE HOISTING ENGINE SO THAT THE LARGE CABLE AND OTHER MATERIALS COULD BE HAULED TO THE TOP BY THE POWER UNIT.

COST DATA

THE INFORMATION AS TO THE COST OF THE ENGINE, CABLES, AND LABOR WERE OBTAINED FROM THE BOOKS OF THE CONTRACTING COMPANY. THE COSTS OF DISMANTLING AND DEPRECIATION WERE ESTIMATED.

THE STATE OF
IN THE COUNTY OF
DOUGLAS, MISSOURI
I, the undersigned, a Notary Public in and for
the State of Missouri, do hereby certify that
the foregoing is a true and correct copy of
the original as the same appears from the
records of the County of Douglas, Missouri.

Notary Public
in and for
the State of
Missouri

WITNESSETH my hand and seal
this _____ day of _____
A. D. 19____, at _____
in the County of _____
State of Missouri.

Notary Public
in and for
the State of
Missouri

DOUGLAS COUNTY
MISSOURI

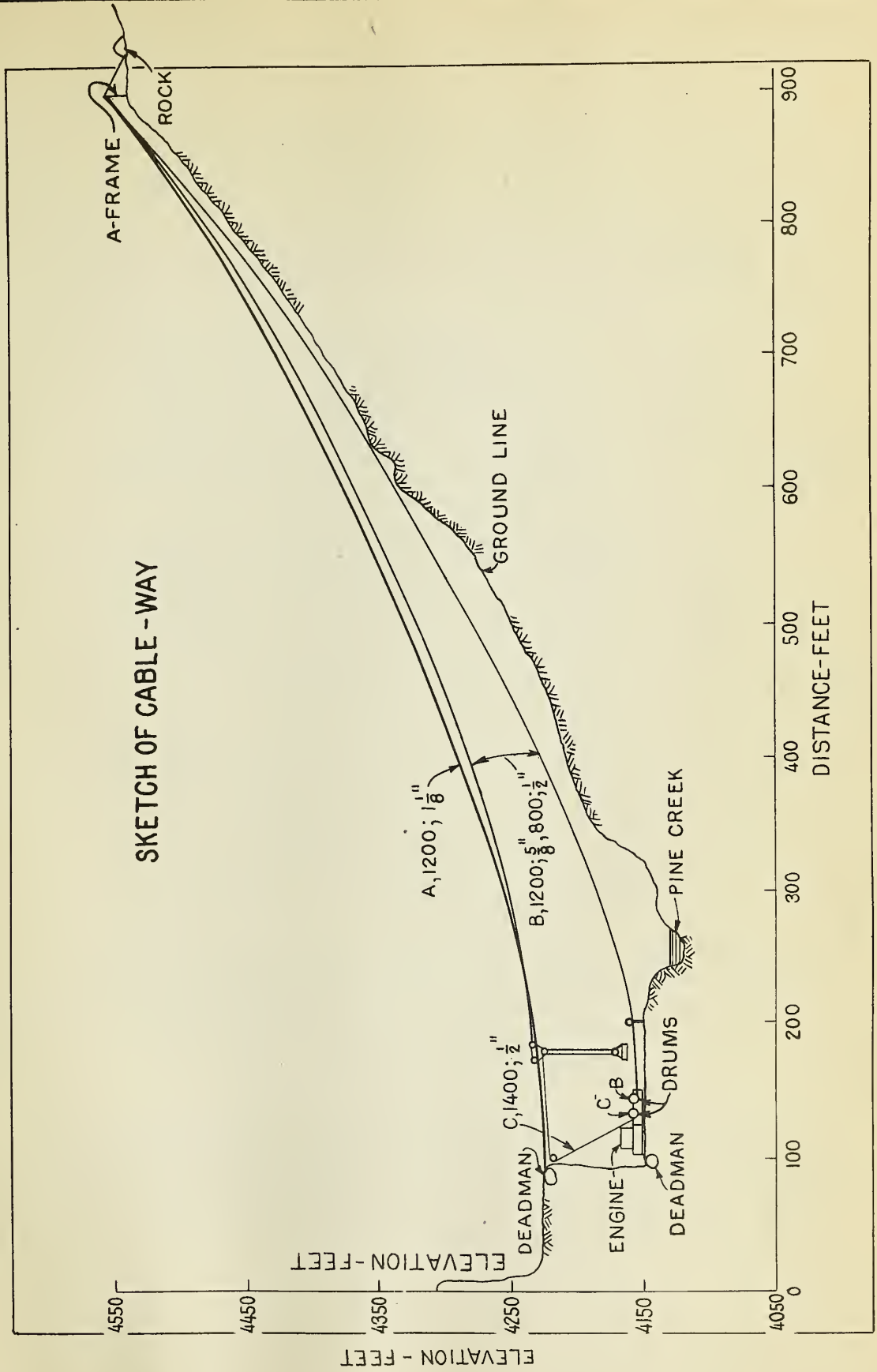
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SKETCH OF CABLE - WAY



COST OF CONSTRUCTION OF CABLE-WAY

COST OF MATERIALS:

COST OF 35-H.P. NOVO DONKEY ENGINE.....	\$1,200.00	
FREIGHT AND DELIVERY.....	<u>120.00</u>	
	SUB-TOTAL	\$1,320.00
COST OF CABLES:		
1,200 LINEAL FEET OF 1-1/8-INCH.....	351.00	
1,200 DO DO DO 5/8-INCH.....	182.00	
2,400 DO DO DO 1/2-INCH.....	268.00	
FREIGHT AND DELIVERY.....	<u>230.00</u>	
	SUB-TOTAL	1,031.00
COST OF LUMBER, POLES, ETC., DELIVERED		<u>170.00</u>
TOTAL COST OF MATERIALS		<u>\$2,521.00</u>

COST OF LABOR (FOR 5-DAY CONSTRUCTION PERIOD):

1 FOREMAN - 5 DAYS @ \$7.50.....	37.50	
1 CARPENTER - 5 DO @ 5.00.....	25.00	
1 MECHANIC - 5 DO @ 5.00.....	25.00	
4 LABORERS - 5 DO @ 3.50.....	<u>70.00</u>	
TOTAL COST OF LABOR		<u>157.50</u>
TOTAL COST OF CONSTRUCTION....		<u>\$2,678.50</u>

THE COST OF OPERATING THE CABLE-WAY PER DAY WAS \$17.76
SEGREGATED AS FOLLOWS:

1 DONKEY OPERATOR.....	\$ 5.00
3 LABORERS @ \$3.50.....	10.50
9 GALLONS GASOLINE @ \$0.24	2.16
OIL.....	<u>0.10</u>
TOTAL COST OF ONE DAY'S OPERATION....	\$17.76

THE TIME CONSUMED PER LOAD VARIED FROM 9 TO 20 MINUTES,
AND THE MAXIMUM WEIGHT CARRIED WAS 1,800 POUNDS. FOR AN AVERAGE
ROUND TRIP OF THE CARRIER OF 12 MINUTES, THE COST PER LOAD PER
8-HOUR DAY BASED UPON THE FOREGOING FIGURES WOULD BE

$$\frac{12}{60} \times \$17.76 \times 1/8 = \$0.44$$

THE OVERHEAD COST MAY BE CONSIDERED AS THE TOTAL COST OF
THE CABLE-WAY IN PLACE, PLUS THE COST OF DISMANTLING, LESS THE
SALVAGE VALUE OF THE EQUIPMENT AT THE END OF 6 MONTHS OF OPERATION.
THE COST OF DISMANTLING IS ESTIMATED AT 1/2 THE COST OF THE CON-
STRUCTION LABOR, AND THE SALVAGE VALUE OF ALL THE EQUIPMENT AT 80
PER CENT OF THE NEW PRICE OF THE ENGINE AND CABLES, AS FOLLOWS:

$$\text{OVERHEAD PER DAY} = \frac{\$2,678 + \$79 - \$1,600}{180 \text{ DAYS}} = \$6.42$$

$$\text{OVERHEAD PER LOAD} = \frac{\$6.42}{40} = \$0.16$$

$$\text{TOTAL COST PER LOAD} = \$0.44 + \$0.16 = \$0.60$$

NECESSARY APPROACHES CONSTITUTE PART OF A BRIDGE

THE ATTITUDE OF THE BUREAU, AS TO WHETHER AN APPROACH SHOULD BE CONSIDERED AS CONSTITUTING A PART OF A BRIDGE; WAS EXPRESSED AFFIRMATIVELY IN ANSWER TO A QUERY MADE BY THE STATE HIGHWAY DEPARTMENT CONCERNING THE STATUS OF A PROPOSED STATE-OWNED TOLL BRIDGE ACROSS THE RED RIVER NEAR FULTON, ARK. IN THIS CASE THE MAIN BRIDGE ACROSS THE RIVER REQUIRED AN EMBANKMENT APPROACH, TOGETHER WITH 4 BRIDGE OPENINGS, EACH OF MORE THAN 20 FEET CLEAR SPAN, WHICH EXTENDED SOUTHWESTWARD FOR A DISTANCE OF 2 MILES ACROSS AN OVERFLOW AREA COVERED ANNUALLY TO AN AVERAGE DEPTH OF 9 FEET WITH FLOOD WATERS FROM THE RED RIVER. THIS LONG APPROACH WAS NECESSARY TO CONNECT THE BRIDGE OVER THE MAIN CHANNEL WITH HIGH GROUND SO THAT IT WOULD BE AVAILABLE FOR TRAVEL FOR 12 MONTHS IN THE YEAR.

THE BUREAU HELD THAT THIS PROPOSED EMBANKMENT WITH THE FOUR BRIDGE OPENINGS COULD PROPERLY BE REGARDED AS CONSTITUTING AN APPROACH TO THE BRIDGE ACROSS THE MAIN CHANNEL OF THE RIVER, AND AS SUCH IT WOULD BE ELIGIBLE FOR FEDERAL AID TO THE EXTENT OF 50 PER CENT OF ITS COST. LEGAL CITATIONS WERE GIVEN TO SHOW THAT IT IS WELL ESTABLISHED BY COURT DECISIONS THAT NECESSARY APPROACHES SHOULD BE CONSIDERED AS PART OF A BRIDGE WHERE THE MAIN BRIDGE WOULD BE INACCESSIBLE TO TRAFFIC WITHOUT THE APPROACH.

1940

LIBRARY OF THE BUREAU OF THE ARMY

TO THE DIRECTOR, ARMY BUREAU OF THE ARMY
FROM THE DIRECTOR, ARMY BUREAU OF THE ARMY
SUBJECT: [Illegible]

1. [Illegible]
2. [Illegible]
3. [Illegible]
4. [Illegible]
5. [Illegible]

(COMPILED FROM REPORTS OF STATE AUTHORITIES)

STATES AND DISTRICT OF COLUMBIA	1927-REGISTERED MOTOR VEHICLES, INDIVIDUALLY & COMMERCIALLY OWNED		OTHER REGISTERED VEHICLES		TAX-EXEMPT OFFICIAL MOTOR CARS AND MOTORCYCLES			NUMBER OF LICENSES, OR PERMITS, OPERATORS, CHAUFFERS			1926 GRAND TOTAL REGISTERED MOTOR CARS AND TRUCKS		YEAR'S CHANGE IN MOTOR VEHICLE REGISTRATIONS		STATES AND DISTRICT OF COLUMBIA
	GRAND TOTAL REGISTERED MOTOR CARS AND TRUCKS	PASSENGER AUTOMOBILES TAXIS AND BUSES	MOTOR TRUCKS & ROAD TRAILERS	TRAILERS	MOTORCYCLES	U.S. CARS	STATE AND LOCAL CARS	DEALERS	OPERATORS	CHAUFFERS	GRAND TOTAL REGISTERED MOTOR CARS AND TRUCKS	NUMBER INCREASE OR DECREASE (-)	PER CENT		
ALABAMA	243,539	211,633	1,472	420	167	157	615	3,919	400	1,630	225,930	17,609	7.6	ALABAMA	
ARIZONA	81,047	79,802	1,245	271	176	176	21	2,112	401	1,630	7,165	10.0	ARIZONA		
ARKANSAS	205,998	174,524	1,977	303	303	303	736	4,379	4,932	1,630	205,419	(2,581)	-1.4	ARKANSAS	
CALIFORNIA	1,633,195	1,479,411	5,213,784	34,126	1,217	1,217	23,214	3,270	129,732	111,133	1,600,475	92,720	5.8	CALIFORNIA	
COLORADO	266,432	243,107	23,385	88	1,383	233	2,459	5,600	3,323,881	-	248,613	19,919	6.9	COLORADO	
CONNECTICUT	253,509	43,012	150	3,082	71	2,459	281	5,600	3,323,881	-	263,235	18,286	6.9	CONNECTICUT	
FLORIDA	47,124	36,037	9,087	243	313	44	434	438	51,945	-	44,834	2,290	5.1	FLORIDA	
GEORGIA	354,734	332,979	61,755	5/1,000	1,243	75	3,451	2,547	4,949	4,949	401,562	(6,822)	-1.7	GEORGIA	
IDAHO	300,635	282,630	38,005	909	762	934	-	406	2,532	2,532	277,468	23,167	8.4	IDAHO	
ILLINOIS	1,438,995	1,254,421	10,330	186	440	103	1,210	406	476	476	1,476,760	6,767	6.9	ILLINOIS	
INDIANA	813,637	577,359	116,478	3,689	3,351	3,351	4,083	4,594	100,398	339,212	1,370,503	68,482	5.0	INDIANA	
IOWA	704,203	645,309	54,884	170	1,787	44	2,827	2,531	2,964	-	696,998	5,205	0.7	IOWA	
KANSAS	501,901	447,273	54,628	477	2,350	192	2,350	2,525	2,964	-	491,276	10,625	2.2	KANSAS	
KENTUCKY	285,521	255,892	29,728	90	693	90	1,742	1,051	8,410	8,410	281,557	4,064	1.4	KENTUCKY	
LOUISIANA	285,000	216,000	35,000	3,500	510	209	1,742	1,051	8,410	14,177	239,500	15,500	6.5	LOUISIANA	
MAINE	133,623	132,927	30,595	1,012	1,245	54	1,173	66	1,297	186,975	151,485	12,137	8.0	MAINE	
MARYLAND	270,935	265,766	5,167	515	2,415	1,969	5,167	6,788	33,614	40,679	252,952	18,053	7.1	MARYLAND	
MASSACHUSETTS	594,177	514,359	79,748	443	7,245	556	800	2,046	102,285	102,285	590,190	3,917	0.6	MASSACHUSETTS	
MICHIGAN	1,134,773	998,781	5,155,592	17,853	3,365	371	10/	2,128	220,954	76,443	1,118,765	35,988	3.2	MICHIGAN	
MINNESOTA	546,682	585,401	81,281	3,286	2,295	252	2,450	2,087	17,988	17,988	630,285	16,397	2.6	MINNESOTA	
MISSISSIPPI	215,043	196,239	1,604	2,317	83	74	1,428	666	5,230	5,230	205,200	12,843	6.2	MISSISSIPPI	
MISSOURI	582,419	613,303	72,116	1,739	1,635	311	1,428	3,287	26,269	26,269	654,554	27,865	4.2	MISSOURI	
MONTANA	112,35	94,733	16,002	156	1,556	229	1,158	481	3,338	3,338	103,956	8,777	8.4	MONTANA	
NEBRASKA	373,912	342,357	31,555	1,828	1,109	226	1,029	3,052	-	-	366,773	7,139	1.9	NEBRASKA	
NEVADA	25,776	20,414	5,362	104	99	42	533	533	43,242	43,242	24,014	1,762	7.3	NEVADA	
NEW HAMPSHIRE	96,009	83,415	12,594	565	1,387	708	6,294	541	73,474	73,474	89,001	7,008	7.9	NEW HAMPSHIRE	
NEW JERSEY	712,386	586,516	125,866	1,827	5,857	202	5,294	2,917	814,583	6,422	851,415	60,981	9.4	NEW JERSEY	
NEW MEXICO	53,221	57,643	15,648	193	170	156	630	170	1,701,383	1,701,383	54,996	4,295	7.8	NEW MEXICO	
NEW YORK	1,937,918	1,624,535	313,383	6,336	16,347	1,666	12,116	4,482	616,025	616,025	1,815,434	122,484	5.7	NEW YORK	
NORTH CAROLINA	430,459	402,223	40,276	1,616	1,194	429	5,419	6,330	157,622	157,622	385,047	45,452	11.8	NORTH CAROLINA	
NORTH DAKOTA	180,701	144,630	15,871	277	1,250	3	-	-	-	-	157,622	2,879	1.8	NORTH DAKOTA	
OHIO	1,570,734	1,374,402	196,332	12,134	7,749	2,362	9,087	26,987	-	-	1,460,246	90,488	6.1	OHIO	
OKLAHOMA	503,126	437,776	65,350	1,200	1,200	530	1,132	604	39,355	15,769	499,938	3,188	0.6	OKLAHOMA	
OREGON	244,572	223,582	20,990	2,030	1,431	141	1,132	28,347	1,554,161	1,554,161	233,568	11,004	4.7	OREGON	
PENNSYLVANIA	1,554,915	1,354,548	200,367	3,780	4,267	1,383	942	28,347	1,554,161	1,554,161	1,455,184	99,731	6.9	PENNSYLVANIA	
RHODE ISLAND	118,014	96,861	19,153	57	1,250	56	571	300	300	300	110,746	7,268	6.6	RHODE ISLAND	
SOUTH CAROLINA	139,635	179,571	20,064	1,387	325	91	1,019	509	-	-	161,189	18,446	10.2	SOUTH CAROLINA	
SOUTH DAKOTA	163,562	153,019	16,533	85	1,019	85	1,019	532	-	-	168,230	1,322	0.8	SOUTH DAKOTA	
TENNESSEE	284,587	269,096	25,481	4/	904	132	2,914	532	-	-	279,639	14,928	5.3	TENNESSEE	
TEXAS	1,111,407	996,397	115,010	9,826	3,081	2,505	2,914	3,323	41,775	11,490	1,049,869	61,538	5.9	TEXAS	
UTAH 1/	33,976	80,731	13,245	531	173	173	-	-	658	658	85,380	8,596	10.1	UTAH	
VERMONT	79,527	73,308	6,218	501	2,025	208	2,025	2,950	-	-	74,063	5,464	7.4	VERMONT	
VIRGINIA	337,607	288,666	48,941	466	2,025	1,141	253	2,950	8,450	8,450	322,614	14,993	4.6	VIRGINIA	
WASHINGTON	384,563	326,657	57,916	2,072	2,501	637	4,662	144	4,879	397,976	363,279	21,304	5.9	WASHINGTON	
WEST VIRGINIA	217,689	284,130	392	1,431	1,862	33	1,862	13,701	61,600	25,200	227,836	17,983	7.9	WEST VIRGINIA	
WISCONSIN	698,289	609,795	88,494	-	2,963	92	668	79	2,949	-	662,282	36,007	5.4	WISCONSIN	
WYOMING	51,955	45,539	6,416	134	209	257	257	306	306	-	49,883	2,072	4.2	WYOMING	
DIST. OF COL.	111,680	98,162	13,518	-	1,151	837	2,131	1,958	57,014	1,581	111,497	183	0.2	DIST. OF COL.	
TOTAL	23,127,315	20,230,429	2,856,886	123,451	120,303	12/33,179	101,689	155,444	5,948,430	1,185,576	22,001,393	1,125,922	5.1	TOTAL	

NOTE:-

1/ THIS TABLE LISTS ONLY THE NUMBER OF MOTOR VEHICLE REGISTRATIONS, LICENSES AND PERMITS; FOR THE FINANCIAL STATEMENT SEE TABLE MW-2 (1927).
 2/ ALL STATES REPORT CALENDAR YEAR TOTALS EXCEPT NORTH CAROLINA WHICH REPORTS ONLY 6 MONTHS TOTALS (JULY 1 TO DECEMBER 31), AS THEIR FISCAL YEAR FOR REGISTRATION ENDED JUNE 30.
 3/ THE FIRST 3 COLUMNS RECORD THE REGULARLY REGISTERED MOTOR CARS AND TRUCKS WHICH PAY THE REGULAR LICENSE FEES ELIMINATING REGISTRATIONS AND NON-RESIDENT OWNERS' CARS. THE GRAND TOTAL OF FIRST COLUMN IS SUBDIVIDED AS INDICATED: PASSENGER SERVICE CARS SHOWN IN SECOND COLUMN AND FREIGHT SERVICE, TRUCKS AND ROAD TRAILERS. IN THE THIRD COLUMN, SOME STATES, AS NOTED, CLASSIFY BUSES WITH TRUCKS. SPECIAL TABLES SHOWING THE EXTENT AND KINDS OF BUS SERVICE FROM NON-GOVERNMENT SOURCES CAN BE FOUND IN THE FEBRUARY 1928 ISSUE OF "BUS TRANSPORTATION."
 4/ SOME STATES INCLUDE TRAILERS WITH MOTOR TRUCKS, AS NOTED: OTHER STATES DO NOT REGISTER SAME.
 5/ BUSES INCLUDED WITH TRUCKS.
 6/ INCLUDES OVER 8,000 CARS AND TRUCKS OF PUBLIC SERVICE CORPORATIONS EXEMPT BY LAW.
 7/ INCLUDES CHAUFFERS.
 8/ TRAILERS (1,000 ESTIMATED) EXCLUDED FROM TRUCKS.
 9/ LAST SIX MONTHS OF YEAR REGISTRATION ONLY AS YEAR COMMENCED JULY 1.
 10/ OFFICIAL CARS INCLUDED IN FIRST THREE COLUMNS AS \$2.00 FEE CHARGED.
 11/ PRELIMINARY DATA, SUBJECT TO REVISION.
 12/ AS REPORTED IN 1926 BY BUREAU OF BURET, AND 1 INCLUDES 7,959 "CARS-AT-LARGE", NOT ALLOCATED TO ANY STATE.

MOTOR VEHICLE REGISTRATION FEES, LICENSES, PERMITS, FINES, ETC., 1927
ALSO GROSS RECEIPTS AND DISPOSITION OF FUND
(FOR CALENDAR YEAR)

(COMPILED FROM REPORTS OF STATE AUTHORITIES)

STATES AND DISTRICT OF COLUMBIA	REGISTRATION RECEIPTS 3/			MISCELLANEOUS RECEIPTS			DISPOSITION OF GROSS RECEIPTS			STATES AND DISTRICT OF COLUMBIA	
	TOTAL FROM MOTOR CARS	PASSENGER CARS AND BUBBLES	TRUCKS AND TRACTORS	OTHER VEHICLES	DEALERS' LICENSE	CHAUFFEUR OPERATOR PERMITS	OTHER MISCELLANEOUS	COLLECTION STATE HIGHWAYS	FOR RURAL HIGHWAY PURPOSES		FOR OTHER COUNTY ROAD PURPOSES
ALABAMA	3,127,000	-	-	-	3,819 \$	8,246 \$	4,859 \$	125,956 \$	643,850 \$	1,547,489	ALABAMA
ARIZONA	454,429	-	-	-	3,366	1,588	5,930	-	454,429	-	ARIZONA
ARKANSAS	3,652,272	-	-	-	5,469	23,338	13,983	73,246	895,700	2,307,231	ARKANSAS
CALIFORNIA	6,750,348	4,951,767	2,640,461	259,960	33,735	45,958	676,292	1,243,924	476,095 (C)	3,775,453	CALIFORNIA
CONNECTICUT	1,486,222	1,486,222	1,486,222	1,486,222	1,486,222	1,486,222	1,486,222	1,486,222	1,486,222	1,486,222	CONNECTICUT
DELAWARE	846,280	846,280	846,280	846,280	846,280	846,280	846,280	846,280	846,280	846,280	DELAWARE
FLORIDA	5,692,128	5,692,128	5,692,128	5,692,128	5,692,128	5,692,128	5,692,128	5,692,128	5,692,128	5,692,128	FLORIDA
GEORGIA	3,715,978	3,715,978	3,715,978	3,715,978	3,715,978	3,715,978	3,715,978	3,715,978	3,715,978	3,715,978	GEORGIA
IDAHO	1,502,185	1,502,185	1,502,185	1,502,185	1,502,185	1,502,185	1,502,185	1,502,185	1,502,185	1,502,185	IDAHO
ILLINOIS	14,633,593	13,929,037	10,635,412	3,293,665	61,330	89,860	384,650	1,048,256	1,048,256	1,048,256	ILLINOIS
INDIANA	5,430,806	5,089,442	3,914,156	31,406	52,030	35,955	234,579	5,179,485	5,179,485	5,179,485	INDIANA
IOWA	10,371,693	9,742,571	8,785,933	956,678	3,322	77,583	453,155	414,070	353,080	5,606,010	IOWA
KANSAS	6,518,662	4,304,062	3,375,500	989,562	5,262	16,143	9,747	224,882	3,934,480	2,331,320	KANSAS
KENTUCKY	4,159,357	-	-	-	29,888	16,143	9,747	224,882	3,934,480	2,331,320	KENTUCKY
LOUISIANA	2,159,312	1,590,811	1,535,364	445,447	46,983	405,868	112,596	201,546	1,130,251	986,249	LOUISIANA
MARYLAND	2,397,912	2,397,912	2,397,912	2,397,912	2,397,912	2,397,912	2,397,912	2,397,912	2,397,912	2,397,912	MARYLAND
MASSACHUSETTS	13,156,442	10,527,782	7,318,651	3,239,131	69,999	1,586,953	937,817	1,268,524	2,914,259	1,048,256	MASSACHUSETTS
MICHIGAN	17,984,210	18,527,569	12,464,719	4,082,850	200,949	1,658,854	249,812	10,117,214	9,784,936	1,082,060	MICHIGAN
MINNESOTA	10,233,644	10,110,633	8,210,901	1,899,732	8,781	20,330	41,088	125,602	202,077	3,763,410	MINNESOTA
MISSISSIPPI	2,556,627	2,220,942	-	-	39,535	20,330	335,685	125,602	202,077	2,228,948	MISSISSIPPI
MISSOURI	6,233,009	1,033,235	853,491	183,744	1,087	37,078	59,027	401,868	1,105,245	5,136,025	MISSOURI
MONTANA	1,136,103	3,740,553	3,574,994	3,016,332	3,728	43,319	112,833	111,983	2,539,299	-	MONTANA
NEBRASKA	229,839	229,839	229,839	229,839	495	28,490	76,504	156,044	1,759,247	130,097	NEBRASKA
NEVADA	1,915,291	1,915,291	1,915,291	1,915,291	7,540	264,055	76,504	156,044	1,759,247	-	NEVADA
NEW HAMPSHIRE	12,955,541	9,293,954	5,650,418	3,613,546	13,714	2,450,201	1,056,335	532,755	7,900,000	4,530,766	NEW HAMPSHIRE
NEW JERSEY	31,765,853	30,427,447	444,401	86,046	8,769	1,769	13,839	53,795	376,285	159,133	NEW JERSEY
NEW MEXICO	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	NEW MEXICO
NORTH CAROLINA	1,695,442	1,570,120	1,338,798	231,322	1,362	124,302	189,199	366,983	5,250,656	161,765,000	NORTH CAROLINA
NORTH DAKOTA	5,753,912	6,325,637	5,408,300	917,337	11,209	66,636	94,547	367,341	2,301,565	-	NORTH DAKOTA
OKLAHOMA	6,827,341	13,734,183	5,959,597	41,031	35,775	330,315	2,385,947	3,590,646	15,048,580	4,803,200	OKLAHOMA
OREGON	26,031,495	1,693,999	1,693,999	488,800	4,438	13,440	106,678	179,304	1,914,005	101,275	OREGON
PENNSYLVANIA	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	2,081,280	PENNSYLVANIA
RHODE ISLAND	2,431,531	2,431,531	2,431,531	2,431,531	2,431,531	2,431,531	2,431,531	2,431,531	2,431,531	2,431,531	RHODE ISLAND
SOUTH CAROLINA	3,756,775	15,045,978	12,583,812	2,462,166	12,024	55,872	69,678	324,981	10,684,403	4,143,323	SOUTH CAROLINA
SOUTH DAKOTA	672,403	1,610,889	1,385,081	285,816	4,146	30,350	203,187	132,000	1,187,453	540,403	SOUTH DAKOTA
TENNESSEE	1,678,950	4,143,351	3,956,993	4,682	6,963	61,334	35,445	194,619	4,816,583	-	TENNESSEE
UTAH	6,004,391	3,695,133	3,096,213	1,550,935	5,587	5,083	132,656	199,470	4,816,583	-	UTAH
VERMONT	9,772,887	9,178,220	7,872,419	1,645,801	17,655	36,354	103,655	550,000	5,428,287	2,390,000	VERMONT
VIRGINIA	525,807	515,019	404,275	110,744	638	9,900	650	159,388	274,088	251,779	VIRGINIA
WISCONSIN	531,044	120,279	99,026	21,253	1,151	1,958	185,271	222,365	159,388	-	WISCONSIN
WYOMING	-	-	-	-	-	-	-	-	-	-	WYOMING
DIST. OF COL.	-	-	-	-	-	-	-	-	-	-	DIST. OF COL.
DETAILED TOTALS 3/	268,651,211	19/	1,005,315	412,744	1,999,180	13,449,481	12,269,157	14,876,410	199,985,269	53,577,653	DETAILED TOTALS 3/
3-MONTH TOTAL	301,061,132	-	-	-	-	-	-	-	-	-	3-MONTH TOTAL

NOTE: 1/ FINANCIAL DATA ONLY ON THIS TABLE; FOR NUMBER OF REGISTRATIONS, LICENSES, ETC. SEE TABLE HW-1 (1927).
 2/ ALL STATES REPORT ACCOUNTS FOR CALENDAR YEAR EXCEPT NORTH CAROLINA WHICH REPORTS FOR SIX MONTHS JULY 1 TO DECEMBER 31 FOR REGISTRATION FOR LAST HALF OF YEAR.
 3/ THE STATES SHOWN DO NOT SHOW COMPLETE RECEIPT DETAILS AND ARE NOT INCLUDED IN TOTALS UNDER FIRST FIVE RECEIPT COLUMNS, SHOWN AS "DETAILED TOTALS". THE DISPOSITION OF TOTAL GROSS RECEIPTS IS SHOWN FOR ALL STATES AND SUCH TOTALS ARE SHOWN IN THE LAST FIVE COLUMNS.
 4/ COUNTY BOND PAYMENTS, MARKED (C), IN ARKANSAS AMOUNT TO \$2,124,118, IN OREGON \$1,540,000 AND IN MICHIGAN THE FULL AMOUNT SHOWN.
 5/ UNPAID CLAIMS.
 6/ UNPAID CLAIMS.
 7/ TO STATE GENERAL FUND.
 8/ INCLUDES \$100,000 FOR STATE POLICE.
 9/ FOR BALTIMORE CITY STREETS.
 10/ EXCLUDES PART OF COLLECTION EXPENSE PAID FROM STATE APPROPRIATIONS.
 11/ INCLUDES \$1,000,120 FOR ADMINISTRATION OF STATE HIGHWAY DEPARTMENT.
 12/ NEW YORK CITY GENERAL FUND.
 13/ SECOND HALF OF YEAR ONLY AS FISCAL YEAR CHANGED TO CALENDAR YEAR IN 1928.
 14/ GROSS RECEIPTS (WITH MOTOR FUEL TAXES) FROM STATE HIGHWAY FUND USED FOR: (A) ADMINISTRATION (B) FINANCING HIGHWAY OBLIGATIONS (C) MAINTENANCE AND CONSTRUCTION OF STATE HIGHWAY SYSTEM. (THE DATA IS ESTIMATED PRO-RATA HERE).
 15/ INCLUDES \$130,000 OF SPECIAL BRIDGE FUND.
 16/ REFUNDS.
 17/ HIGHWAY SAFETY FUND DERIVED FROM OPERATORS' PERMITS.
 18/ FOR REPAIR AND CONSTRUCTION OF WASHINGTON STREETS, IF SO APPROPRIATED BY CONGRESS.
 19/ ONLY 35 STATES REPORT DETAILS OF MOTOR CAR REGISTRATION RECEIPTS, WHICH TOTAL HEREAS FOLLOWS:- PASSENGER CARS AND BUSES \$167,100,396, TRUCKS AND TRACTORS \$50,856,936, MAKING A COMBINED TOTAL OF \$217,957,332.

GASOLINE TAXES, 1927

TOTAL TAXES EARNED ON MOTOR VEHICLE FUELS, ETC., REFUNDS, DEDUCTIONS OF FUNDS, AND GALLONS TAXED (FROM REPORTS OF STATE AUTHORITIES)

STATES AND DISTRICT OF COLUMBIA	GROSS TAX ABSEORBED PRIOR TO DEDUCTIONS OF REFUNDS	EXEMPTION REFUNDS FROM GROSS TAX	TOTAL TAX ON FUEL FOR MOTOR VEHICLES (1)	OTHER RECEIPTS UNDER TAX LAW (LICENSES)	GRAND TOTAL EARNINGS (TAX AND OTHER RECEIPTS)	COLLECTION DEDUCTIONS		DISTRIBUTION OF GRAND TOTAL EARNINGS		FOR MISCELLANEOUS PURPOSES	TAX RATES, 1927			NET GALLONS OF GASOLINE TAKED, AND USED BY MOTOR VEHICLES	STATES AND DISTRICT OF COLUMBIA
						OBTS (2)	ON HIGHWAY TAX	STATE (B) AND COUNTY (C) ROAD PAYMENTS	LOCAL ROADS		CENT PER GALLON	DATE OF RATE CHANGE			
ALABAMA	\$ 6,306,986	-	5,304,986	-	6,306,986	\$ 23,542	\$ 2,682,869	\$ (3)(8)	303,760	-	2	4	1/28	1,162,620,507	ALABAMA
ARIZONA	1,846,375	257,545	1,388,830	-	1,388,830	850,591	768,139	(5)	2,733,404	-	3	4	8/12	40,216,927	ARIZONA
ARKANSAS	24,433,575	1,985,505	4,338,737	-	4,338,737	41,782	584,036	(5)	1,041,297	-	5	4	6/9	94,345,980	ARKANSAS
CALIFORNIA	3,722,593	132,945	2,215,653	-	2,215,653	13,169,714	9,285,607	(5)	2,650,807	-	5	4	7/29	288,749,102	CALIFORNIA
CONNECTICUT	3,064,806	-	3,054,905	\$ 42,522	3,097,427	21,221	2,020,405	-	351,628	-	2	2	5/1	182,745,302	CONNECTICUT
DELAWARE	681,456	18,307	663,159	-	663,159	8,600	6,622,158	-	(10)	940,322	2	2	3/24	3,486,804	DELAWARE
FLORIDA	10,880,585	-	10,880,585	27,955	11,008,541	8,600	6,622,158	-	(10)	940,322	4	6	7/1	251,410,081	FLORIDA
GEORGIA	7,068,109	97,308	7,068,109	11,354	7,079,503	4,600	4,759,381	-	(11)	353,848	3	4	9/1	192,123,248	GEORGIA
INDIANA	1,659,057	6,139,509	1,674,749	-	1,674,749	11,866	1,435,096	(14)	123,687	3	4	3/1	10,676,738	INDIANA	
ILLINOIS	6,139,509	365,739	6,139,509	-	6,139,509	25,000	3,087,255	(14)(C)	843,188	3	4	8/1	19,976,466	ILLINOIS	
KENTUCKY	1,900,707	3,512,106	1,900,707	-	1,900,707	6,745	3,512,106	(15)	1,591,459	2	2	7/4	206,619,274	KENTUCKY	
LOUISIANA	5,093,617	498,987	4,594,650	-	4,594,650	11,700	1,850,720	(9)	743,930	2	2	2	459,732,510	LOUISIANA	
MAINE	5,913,396	5,913,396	5,913,396	-	5,913,396	11,700	5,913,396	(26)	90,000	2	2	5	118,287,918	MAINE	
MARYLAND	3,034,056	56,414	2,977,642	-	2,977,642	12,292	3,034,056	-	3,034,056	3	2	2	2,007,253	MARYLAND	
MASSACHUSETTS	2,344,347	144,900	2,200,447	-	2,200,447	2,275,391	2,275,391	(20)	1,193,481	3	4	10/29	118,136,211	MASSACHUSETTS	
MICHIGAN	15,327,722	1,057,184	14,260,564	-	14,260,564	43,797	2,805,830	(9)	3,000,000	2	4	No 9/4	2,007,253	MICHIGAN	
MINNESOTA	5,510,257	336,377	5,174,880	-	5,174,880	4,500	2,805,830	(9)	3,000,000	2	4	No 9/4	1,144,507	MINNESOTA	
MISSISSIPPI	4,890,686	-	4,890,686	-	4,890,686	3,600	2,302,347	(23)(C)	2,064,428	2	2	-	567,743,282	MISSISSIPPI	
MISSOURI	6,449,655	-	6,330,983	-	6,330,983	49,488	6,281,495	-	-	2	4	-	342,686	MISSOURI	
MONTECALM	1,501,551	155,252	1,346,299	-	1,346,299	(24)	1,435,368	-	-	2	2	-	516,549,141	MONTECALM	
NEBRASKA	3,169,916	31,743	3,138,173	-	3,138,173	8,013	3,056,945	-	-	2	2	-	7,879,327	NEBRASKA	
NEVADA	3,034,056	38,312	2,995,744	-	2,995,744	2,500	2,332,244	-	-	2	2	-	133,245,970	NEVADA	
NEW HAMPSHIRE	1,291,489	22,592	1,268,897	-	1,268,897	4,913	2,353,912	-	-	2	2	(25)	44,093,901	NEW HAMPSHIRE	
NEW JERSEY	4,775,137	692,277	4,082,860	16,125	4,099,985	25,000	3,992,955	-	90,000	0	2	5/1	204,142,900	NEW JERSEY	
NEW YORK	1,415,630	-	1,415,630	-	1,415,630	30,975	1,295,217	(9)	1,06,000	2	5	3/7	30,117,911	NEW YORK	
NORTH CAROLINA	9,111,297	324,615	8,786,682	-	8,786,682	(28)	6,444,313	(28)	2,955,381	-	4	0	No Tax	219,667,060	NORTH CAROLINA
NORTH DAKOTA	30,276,563	555,207	29,721,356	958	29,722,314	28,000	1,000,000	(29)	41,423	-	4	2	53,779,243	NORTH DAKOTA	
OKLAHOMA	7,224,276	25,320	7,197,956	-	7,197,956	(30)	4,798,537	-	2,399,319	-	2	5/25	239,933,866	OKLAHOMA	
OREGON	3,079,393	236,202	2,843,191	-	2,843,191	8,366	6,634,516	-	-	3	3	-	1,272,822,593	OREGON	
PENNSYLVANIA	17,296,333	-	17,296,333	-	17,296,333	-	13,629,523	-	3,467,810	-	3	3	7/1	691,562,015	PENNSYLVANIA
RHODE ISLAND	915,959	-	915,959	-	915,959	(31)	726,447	-	179,512	-	1	2	6/1	56,144,687	RHODE ISLAND
SOUTH CAROLINA	5,095,899	6,514	5,090,385	-	5,090,385	5,000	3,046,231	(8)	179,512	-	5	5	101,607,700	SOUTH CAROLINA	
SOUTH DAKOTA	3,074,952	691,003	2,383,949	-	2,383,949	4,750	2,074,659	(8)	242,243	(32)	3	4	7/1	65,965,089	SOUTH DAKOTA
TENNESSEE	1,550,841	-	1,550,841	-	1,550,841	1,181,519	4,759,005	-	-	-	3	3	189,206,019	TENNESSEE	
UTAH	1,461,261	-	1,461,261	428	1,461,689	6,376	1,461,689	(8)	912,500	(33)	3	3	7/16	59,212,659	UTAH
VERMONT	905,244	-	905,244	-	905,244	-	905,244	-	912,500	-	3	3	33,167,248	VERMONT	
VIRGINIA	7,515,959	376,162	7,139,797	-	7,139,797	-	4,759,005	-	2,379,902	-	4	2	158,423,951	VIRGINIA	
WASHINGTON	4,085,691	265,453	3,820,238	-	3,820,238	(35)	3,820,238	-	-	-	2	2	191,071,325	WASHINGTON	
WEST VIRGINIA	3,297,644	103,676	3,193,968	-	3,193,968	-	3,193,968	(36)(B)	-	-	2	2	99,817,717	WEST VIRGINIA	
WISCONSIN	6,197,114	244,664	6,197,114	-	6,197,114	2,982	2,714,538	-	433,914	(37)	2	4	501,386,684	WISCONSIN	
WYOMING	6,766,049	-	6,766,049	-	6,766,049	9,687	756,982	-	-	-	2	2	26,984,353	WYOMING	
DIST. OF COL.	1,155,104	7310	1,148,794	-	1,148,794	-	-	-	-	-	2	2	57,459,721	DIST. OF COL.	
TOTALS	-	-	258,939,813	129,038	259,068,851	499,933	192,096,503	65,540,161	10,084,456	10,844,798	AVER.	2.76	(39)	9,366,651,892	TOTALS

NOTES:

- THIS IS THE NET TAX AFTER DEDUCTION OF REFUNDS ACCORDING TO LAW AND REPRESENTS THE ACTUAL TAXES AVAILABLE FOR DISPOSAL; THE FIRST TWO COLUMNS SHOW ONLY THE PROCEDURE AND ARE NOT TOTALLED, BEING OF MINOR IMPORTANCE.
- COLLECTION DEDUCTIONS IN MANY STATES ARE PAID FROM OTHER STATE FUNDS AND WHEN AMOUNTS AND SOURCES ARE REPORTED NOTES ARE ENTERED BELOW.
- ON STATE HIGHWAY BONDS, SERIES G ONLY.
- INCLUDES \$216,837 ON STATE HIGHWAY BONDS AND \$2,516,487 ON LOCAL ROAD BONDS.
- EXCLUDES \$31,547 FROM GASOLINE INSPECTION FEE FUND.
- APPROXIMATELY \$46,000 CHARGED TO MOTOR VEHICLE DEPARTMENT.
- APPROXIMATELY \$50,000 CHARGED TO STATE TREASURY.
- FOR FREE PUBLIC SCHOOL FUND \$161,128; FOR PERMANENT BUILDING FUND \$308,067; AND BALANCE OF \$15,140 IN STATE TREASURY.
- UNLAWFUL BALANCE.
- EARNINGS FOR LAST FIVE MONTHS OF YEAR ONLY.
- COUNTY BOND PAYMENTS INCLUDED IN LOCAL ROAD ALLOWMENTS.
- TAX DEDUCTIONS FEBRUARY 25, 1928.
- SPECIAL REFUNDS FOR RIGHTS OF WAY AND BRIDGES.
- FROM STATE GENERAL FUND.
- INCLUDES 2,770,705 GALLONS NOT CONSUMED BY MOTOR VEHICLES BUT TAXED 1 CENT PER GALLON.
- BALTIMORE CITY \$743,042; ORADE CROSSING \$450,439.
- ESTIMATED CONSUMPTION BASED ON MOTOR VEHICLE REGISTRATION, 310,000,000 GALLONS.
- INCLUDES \$131,208 FROM EXTRA TAX IN HARRISON AND HANCOCK COUNTIES FOR SEA-WALL TO PROTECT STATE HIGHWAY.
- SEA-WALL BONDS.
- STATE APPROPRIATION OF \$12,000.
- GASOLINE TAX BECAME 4 CENTS ON JANUARY 1, 1928.
- ESTIMATED CONSUMPTION COMMERCE AND NAVIGATION.
- ESTIMATED CONSUMPTION COMMERCE AND NAVIGATION.
- ALLOCATION OF FUND ESTIMATED.
- GENERAL STATE FUND.
- STATE APPROPRIATION OF \$5,700 FROM GENERAL REVENUE.
- STATE APPROPRIATION OF \$5,000.
- REVENUE FOR REFUNDS.
- FOR FREE SCHOOL FUND.
- INCREASED TO 5 CENTS ON MARCH 19, 1928.
- FOR STATE HIGHWAY BONDS.
- PAYMENTS ON STATE ROAD BONDS CHARGED TO GASOLINE FUND; AMOUNT NOT STATED.
- FOR CITY STREETS.
- RECEIPTS EXPENDED ON WASHINGTON STREETS FOR IMPROVEMENT AND REPAIRS.
- FOR APPROXIMATE TOTAL OF ALL STATES, AND ESTIMATED AMOUNTS GIVEN FOR MASSACHUSETTS AND NEW YORK TO TOTAL HERE GIVEN.

DUAL SCREENS INCREASE CAPACITY OF ASPHALT PAVING PLANT

COMPILED FROM A REPORT SUBMITTED BY R. H. TATLOW OF THE DIVISION
OF MANAGEMENT

(NOT FOR RELEASE)

A DUAL SCREEN, SHOWN IN THE ACCOMPANYING SKETCH, FOR IN-
CREASING THE CAPACITY OF A 3,000 POUND MADSEN ASPHALT PAVING
PLANT HAS PROVED HIGHLY SATISFACTORY ON CALIFORNIA FEDERAL-AID
PROJECT 184-A.

THE CUSTOMARY SCREEN DESIGN, FOR SEPARATING THE HOT
MINERAL AGGREGATE AT THE TOP OF THE BINS, CONSISTS OF A SINGLE
SET OF SCREENS. ALL THE AGGREGATE MUST PASS THROUGH THIS ONE
SCREEN AND CARE MUST BE TAKEN TO PREVENT OVERLOADING SO THAT
PORTIONS OF THE FINER AGGREGATES SHALL NOT BE CARRIED OVER INTO
THE BINS FOR THE COARSER MATERIAL. THIS MAKES IT NECESSARY TO
VARY THE MIXTURE OF THE MATERIAL SO AS TO MAINTAIN A UNIFORM
DENSITY OF THE PAVEMENT - A CONDITION REQUISITE TO A STABLE
AND EVEN SURFACE.

THE DUAL SCREENS, USED ON THIS PLANT, CONSIST ESSEN-
TIALY OF TWO ORDINARY SINGLE SCREENS MOUNTED SIDE BY SIDE AS
SHOWN IN THE ACCOMPANYING DIAGRAM. THE ADMISSION OF THE AGGRE-
GATES FROM THE ELEVATOR IS CONTROLLED BY A SWINGING GATE AT THE
JUNCTION OF TWO OUTLET CHUTES LEADING TO THE TWO SCREENS. THIS
SWINGING GATE MAY BE ADJUSTED SO AS TO DIVIDE THE MATERIAL IN
ANY DESIRED PROPORTION BETWEEN THE TWO SCREENS, OR TO VARY THE
LOAD SO THAT, IF NECESSARY, ALL THE AGGREGATE SHALL PASS THROUGH
ONE SCREEN.

THE POWER-DRIVEN 44-INCH GEAR ON THE END OF ONE SCREEN
MESHES WITH A SIMILAR GEAR ON THE OTHER SCREEN. HAVING THE TWO
SCREENS REVOLVING IN OPPOSITE DIRECTIONS, SO THAT THE AGGREGATE
IS ROTATED AND DEPOSITED TOWARDS THE CENTER OF THE BINS, IS THE
MOST DESIRABLE ARRANGEMENT.

THESE DUAL SCREENS HAVE INCREASED THE CAPACITY, AND
HAVE DECREASED THE STORAGE SPACE, AS COMPARED WITH A SINGLE-
SCREEN PLANT.

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY

JOHN BURNET

OF

SCOTLAND

IN

SEVEN VOLUMES

THE SECOND

AND LAST

VOLUME

LONDON

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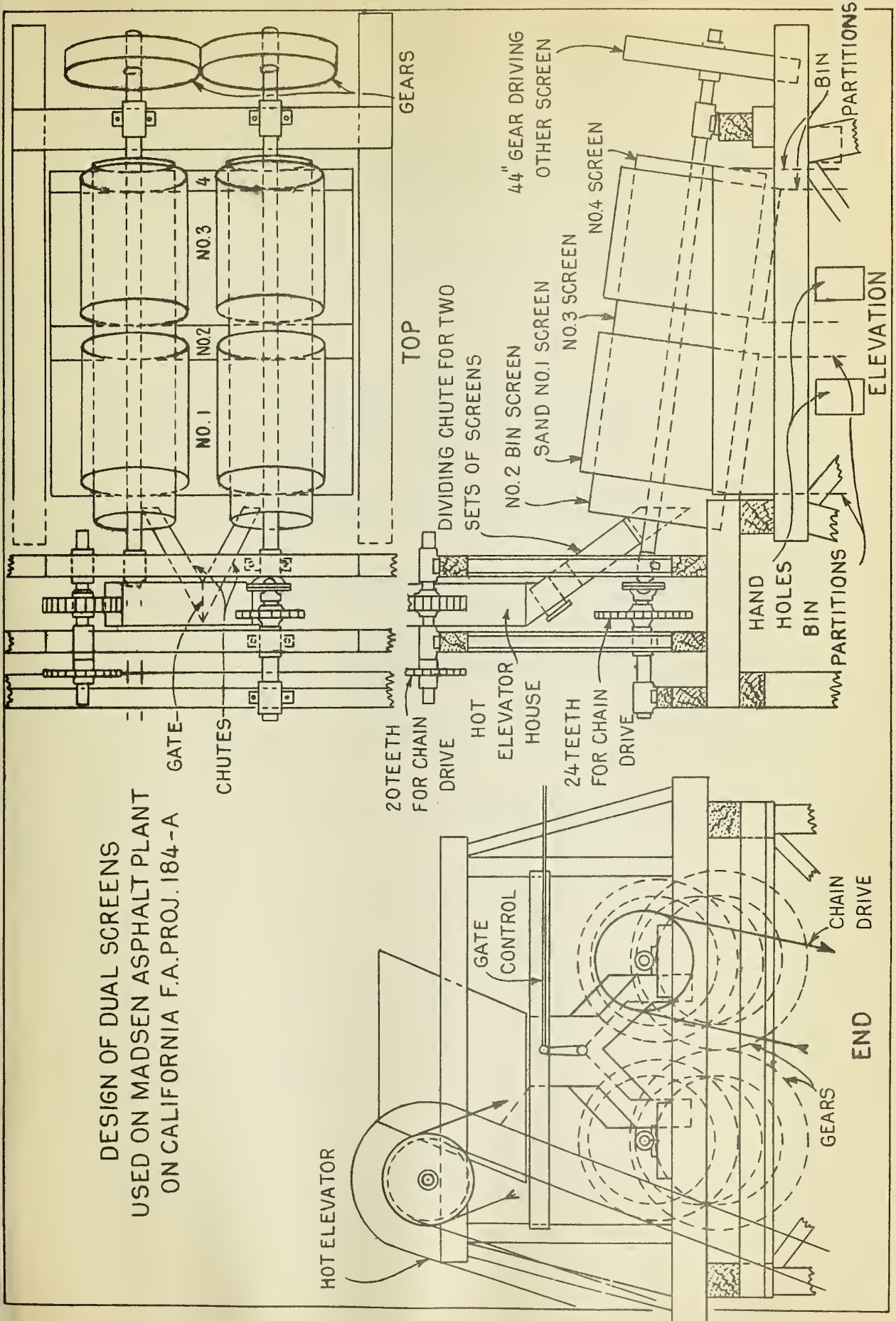
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DESIGN OF DUAL SCREENS
 USED ON MADSEN ASPHALT PLANT
 ON CALIFORNIA F.A.PROJ. 184-A



U. S. DEPARTMENT OF AGRICULTURE - BUREAU OF PUBLIC ROADS.
MONTHLY GASOLINE CONSUMPTION (In Gallons) AS USED BY MOTOR VEHICLES, 1926 (1st Half Year)
DERIVED FROM AMOUNT EARNED IN STATES HAVING GASOLINE TAX (ALLOWING FOR DEDUCTIONS DUE TO EXEMPTIONS)
(COMPILED FROM REPORTS OF STATE AUTHORITIES)

Table with columns: State, Jan, Feb, Mar, Apr, May, June, July, Aug, Sept, Oct, Nov, Dec, Grand Total U.S., and Gasoline Tax Rates 1926. Rows include New England, Middle Atlantic, East North Central, West North Central, South Atlantic, East South Central, West South Central, Mountain, Pacific, and Grand Total U.S.

REMARKS: THE GALLONS ABOVE IS APPROXIMATE IN SOME STATES DUE TO EXEMPTIONS FOR DEDUCTIONS WHICH WERE NOT ALLOCATED TO MONTHS WHEN SALES WERE MADE BUT WERE REPORTED FOR MONTHS WHEN COLLECTIONS WERE COLLECTED.
FOUR STATES MARKED "Q" COLLECT THESE QUARTERS, AND THE MONTHLY CONSUMPTION IS DIVIDED EQUALLY IN EACH QUARTER.
NOTES: 1. THE QUARTERLY CONSUMPTION SHOWN IN THESE STATES IS ONLY COLLECTIONS WERE REPORTED WHICH DO NOT INDICATE CONSUMPTION.
2. GALLONS ADJUSTED TO AGREE WITH REPORTED RECEIPTS.

TRIPLE EARTH-SLIDE-CONTROL METHOD TO BE USED
ON OHIO FEDERAL-AID PROJECT

CONTRIBUTED BY D. T. BROWN OF THE DIVISION OF DESIGN

(NOT FOR RELEASE)

A COMBINATION OF 3 METHODS FOR CONTROLLING AN EARTH SLIDE WILL BE USED IN THE CONSTRUCTION OF OHIO FEDERAL-AID PROJECT 534-A. AS SHOWN IN THE ATTACHED SKETCH, A RETAINING WALL WILL BE USED TO PREVENT THE EARTH FOUNDATION OF THE ROADWAY FROM SLIDING OVER UPON THE RAILROAD BELOW. ABOVE THE ROADWAY THREE ROWS OF PILING FORMED BY STEEL WELL-CASING FILLED WITH CONCRETE WILL BE SUNK THROUGH THE SLIDING LAYER INTO THE SOLID ROCK BENEATH. TO INSURE THE DRAINAGE OF THE IMPERVIOUS ROCK SURFACE UPON WHICH THE SLIDING MATERIAL MOVES, A 24-INCH VITRIFIED CLAY PIPE, FED AT INTERVALS WITH 12-INCH PERFORATED CORRUGATED IRON PIPE LATERALS, IS TO BE PLACED THE FULL LENGTH OF THE SLIDE FROM THE TOP TO THE FOOT OF THE SLOPE.

THE CONCRETE PILES ARE TO BE CONSTRUCTED IN PLACE. FIRST, HOLES WILL BE DRILLED IN THE PROPER LOCATION WITH A WELL DRILL, EXTENDING THROUGH THE EARTH SLIDE FOR 6 FEET INTO THE SOLID ROCK. STEEL-CASING PIPE WILL THEN BE DRIVEN INTO THE HOLES AND THREE ROUND-STEEL REINFORCING BARS WILL BE INSERTED IN THE PIPE WHICH WILL BE TAMPED FULL OF CONCRETE. THE COST OF THE PILES, IN PLACE, IS ESTIMATED AT \$2.00 PER LINEAL FOOT. THE RETAINING WALL AND DRAIN PIPES INVOLVE NO UNUSUAL CONSTRUCTION FEATURES.

THE ESTIMATED COST OF THIS SLIDE-CONTROL FEATURE IS AN INDICATION OF THE VALUE PLACED ON SLIDE CONTROL, IN THIS REGION WHERE EARTH SLIDES ARE PREVALENT. THE COST OF GRADING AND DRAINING THE PROJECT IS ESTIMATED AT \$76,000 PER MILE, OR \$380,000 FOR THE 4.9 MILES. THE ESTIMATED COST OF CONSTRUCTION OF THE SLIDE-CONTROL METHODS, ILLUSTRATED IN THE ATTACHED SKETCH, FOLLOWS:

THE UNIVERSITY OF CHICAGO
PHYSICS DEPARTMENT

REPORT OF THE COMMITTEE ON THE
PROGRESS OF THE DEPARTMENT

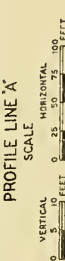
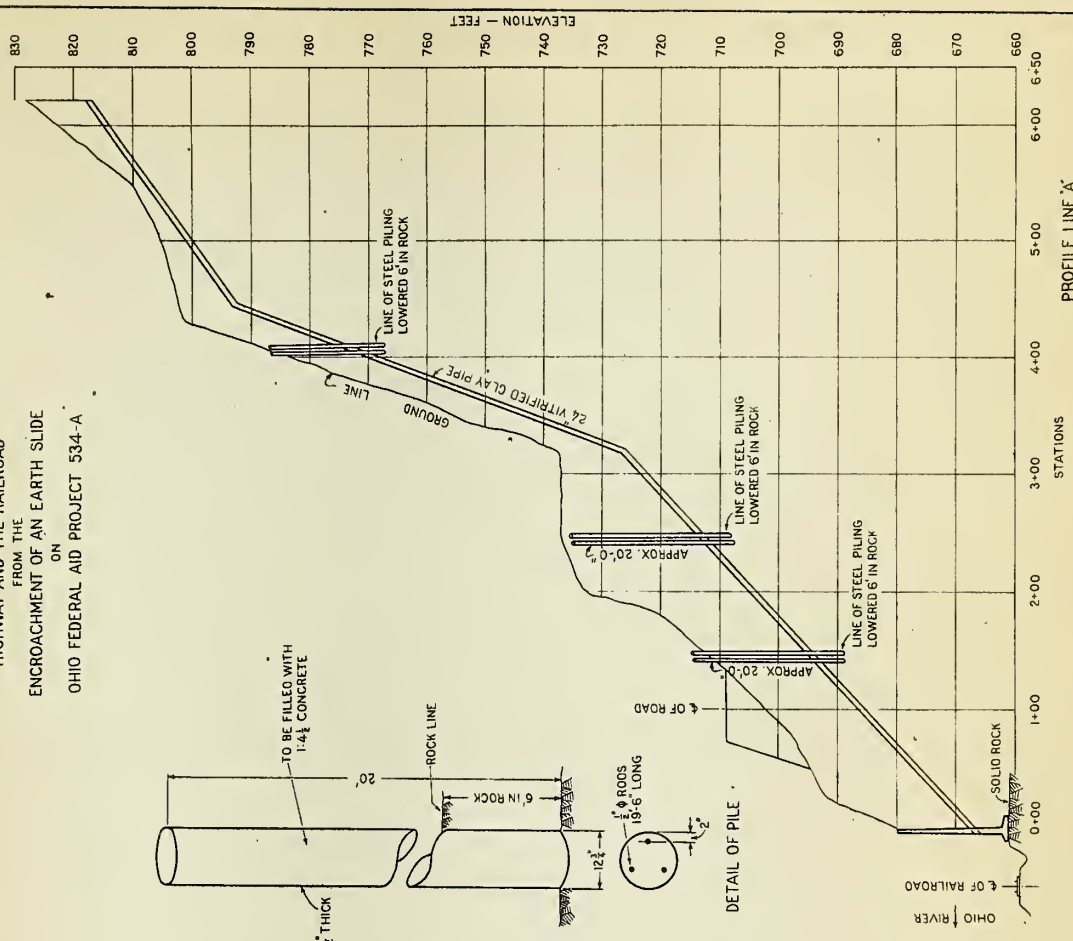
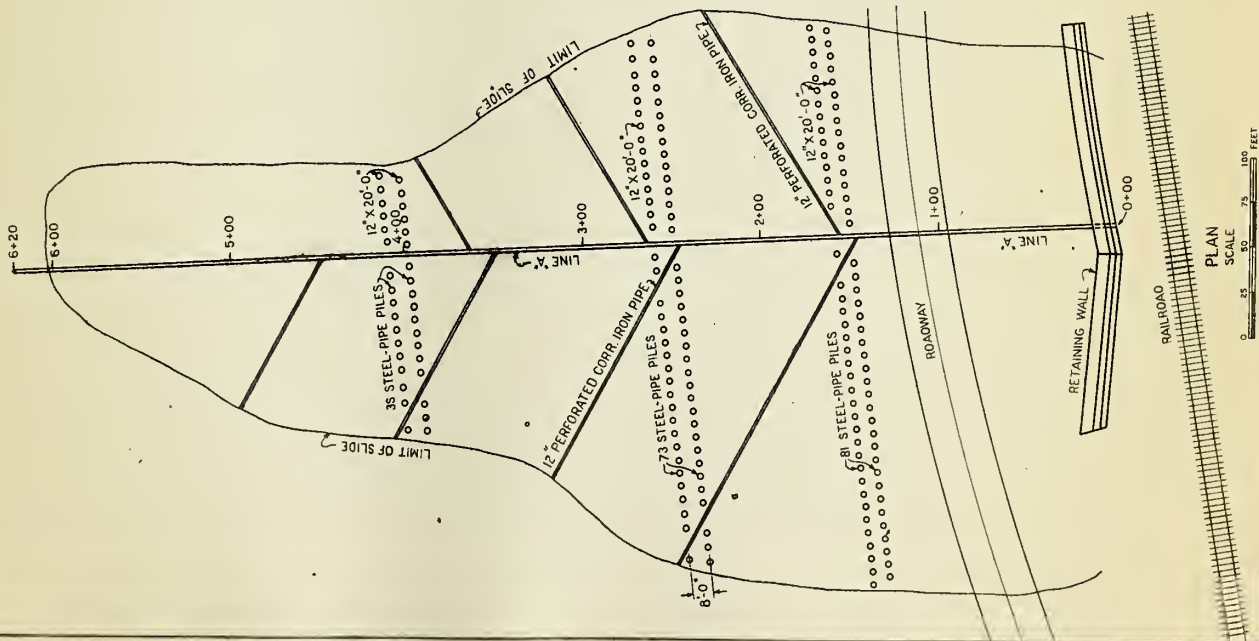
(1954-1955)

The Department of Physics at the University of Chicago has had a very successful year. The faculty has grown by the addition of several new members, and the student body has increased significantly. The department has made considerable progress in a number of areas, particularly in the fields of nuclear physics and particle physics. The following is a summary of the department's activities during the year.

The department has been particularly active in the field of nuclear physics. Several new experiments have been carried out, and the results have been published in a number of leading journals. The department has also been successful in securing a number of grants from the National Science Foundation and other agencies.

In addition to its work in nuclear physics, the department has also been active in the field of particle physics. Several new experiments have been carried out, and the results have been published in a number of leading journals. The department has also been successful in securing a number of grants from the National Science Foundation and other agencies.

PLAN AND PROFILE
 OF THE
 METHOD PROPOSED FOR THE PROTECTION
 OF THE
 HIGHWAY AND THE RAILROAD
 FROM THE
 ENCROACHMENT OF AN EARTH SLIDE
 ON
 OHIO FEDERAL AID PROJECT 534-A



DRAIN PIPE

620 LINEAL FEET OF 24-INCH VITRIFIED CLAY PIPE, IN PLACE, AT \$5.00 PER LINEAL FOOT - - - -	\$3,100
890 LINEAL FEET OF 12-INCH PERFORATED CORRUGATED IRON PIPE, IN PLACE, AT \$3.00 PER LINEAL FOOT -	2,670

CONCRETE PILING AND RETAINING WALL

3,780 LINEAL FEET OF 12-INCH STEEL-PIPE PILING, IN PLACE, AT \$2.00 PER LINEAL FOOT - - - -	7,560
52,400 POUNDS OF STEEL REINFORCEMENT AT \$.05 PER POUND -	2,620
514 CUBIC YARDS OF 1:5-1/2 CONCRETE, IN PLACE, AT \$17.00 PER CUBIC YARD - - - - - - - - - - -	8,738
336 SQUARE FEET OF 1/2-INCH PREMOULDED EXPAN- SION JOINT MATERIAL AT \$0.25 - - - - - - - - - -	84
2,040 CUBIC YARDS OF EXCAVATION INCLUDING BACK- FILL AT \$1.50 PER CUBIC YARD - - - - - - - - - -	<u>3,060</u>
TOTAL	\$27,832

LIP CURB FOR CONCRETE PAVEMENTS SUBMITTED BY 4 STATES

CONTRIBUTED BY ST. CLAIR T. THOMAS OF THE DIVISION OF DESIGN

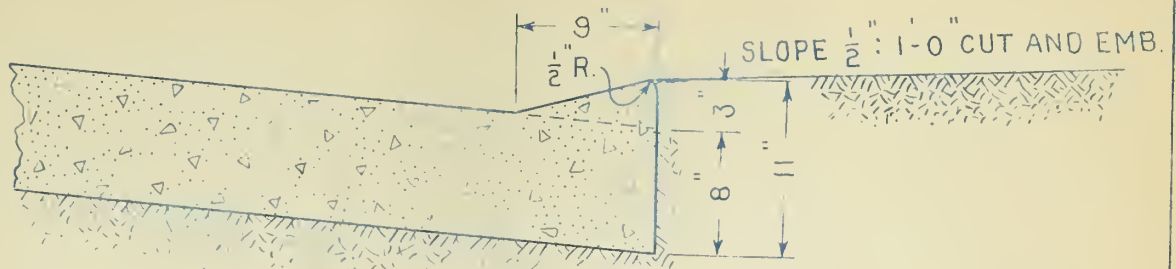
(NOT FOR RELEASE)

LIP CURBS, TO PROTECT THE EARTH SHOULDERS OF CONCRETE PAVEMENTS FROM EROSION BY THE RUN OFF OF RAIN WATER, HAVE BEEN INCLUDED IN DESIGNS SUBMITTED FOR FEDERAL-AID PROJECTS, BY FOUR STATES - GEORGIA, ILLINOIS, IOWA, AND MINNESOTA, AS SHOWN IN THE ATTACHED CROSS SECTIONS. THE LIP CURB, OR EDGING, CONSTRUCTED ON THE TOP OF THE PAVEMENT, SERVES THE PURPOSE OF CARRYING THE RAIN WATER TO THE NEAREST OFFTAKE. IT DIFFERS FROM THE INTEGRAL CURB, OR THE CURB AND GUTTER, IN THAT IT IS SUITABLE ONLY FOR NORMAL RAINFALLS, AND THE HEIGHT - 2 TO 3 INCHES IN 8 TO 12 INCHES - IS NOT SUFFICIENT TO PREVENT TRAFFIC FROM RUNNING OVER THE EDGE OF THE PAVEMENT.

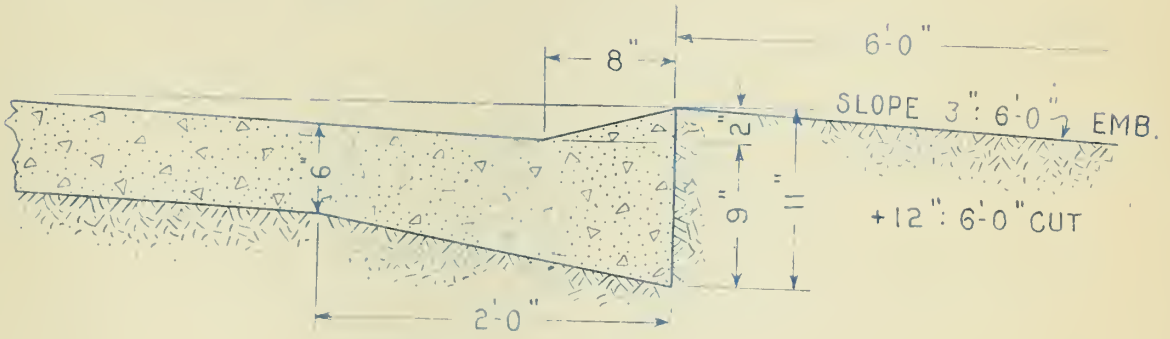
THE NECESSITY FOR LIP CURB IS DETERMINED BY THE CHARACTER OF THE SHOULDER MATERIAL AND THE GRADE OF THE PAVEMENT. IT IS USUALLY NOT REQUIRED IN THE HEAVIER SOILS, SUCH AS CLAY, WHICH DO NOT ERODE AS READILY AS SILT OR SAND. IOWA, WHERE THE LOESS SOIL ERODES READILY, WAS ONE OF THE FIRST STATES TO SUBMIT LIP CURB ON A FEDERAL-AID PROJECT.

THE LIP CURB IS CONSTRUCTED IMMEDIATELY AFTER THE PAVEMENT PROPER HAS BEEN FINISHED. FIRST THE ELEVATION OF THE TOP OF THE SIDE FORMS IS RAISED THE DESIRED AMOUNT, AND THEN THE EXTRA CONCRETE OF THE SAME MIX AS THE PAVEMENT IS SPREAD NEXT TO THE FORM, AND FINISHED TO THE PROPER CROSS SECTION WITH A FLOAT. IN GEORGIA THE CORNER IS ROUNDED WITH AN EDGING TOOL. SUITABLE OFFTAKES ARE BUILT, AT RIGHT ANGLES TO THE CENTER LINE OF THE ROADWAY WHERE THE GRADE IS NOT OVER 1-1/2 PER CENT, AND AT AN ANGLE OF 45 DEGREES WHEN THE GRADE EXCEEDS 1-1/2 PER CENT.

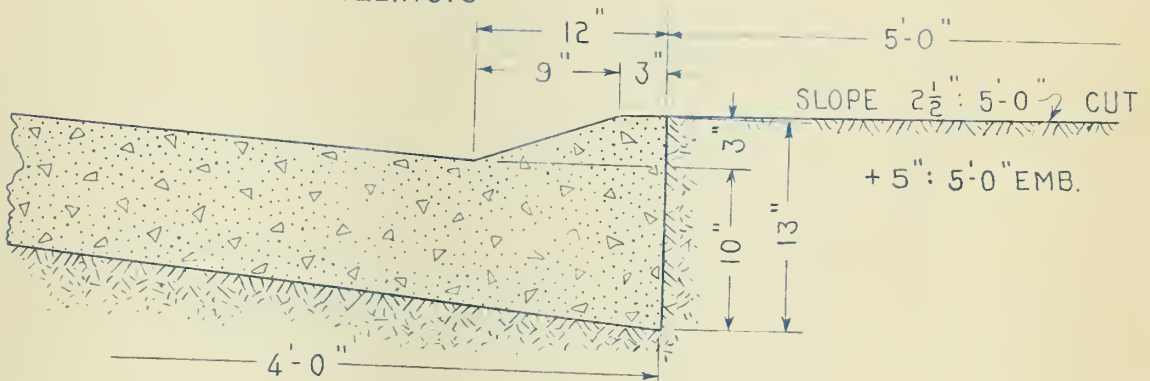
IN BOTH ILLINOIS AND GEORGIA THE UNIT FOR PAYMENT IS THE LINEAL FOOT OF LIP CURB. ON ONE PROJECT IN ILLINOIS THE PRICE WAS 10 CENTS, AND ON A JOB IN GEORGIA THE COST WAS 4 CENTS A LINEAL FOOT. IN MINNESOTA AND IOWA THE COST IS INCLUDED IN THE UNIT PRICE BID FOR THE CONCRETE PAVEMENT.



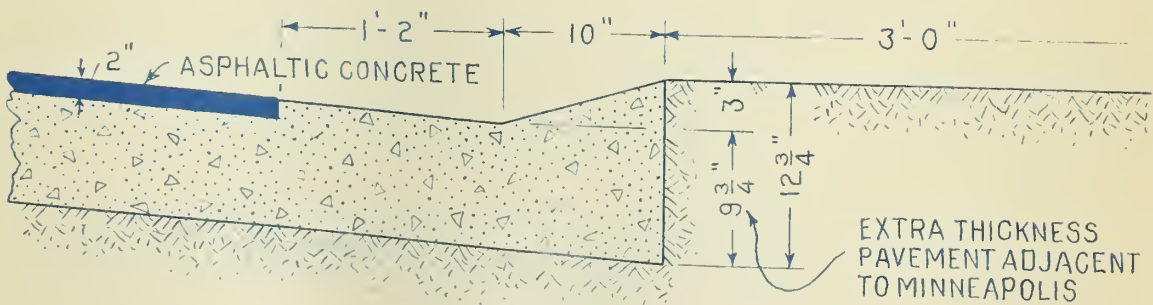
GEORGIA



ILLINOIS



IOWA



MINNESOTA

DESIGNS OF LIP CURBS FOR CONCRETE PAVEMENTS
 SUBMITTED BY GEORGIA, ILLINOIS, IOWA AND MINNESOTA

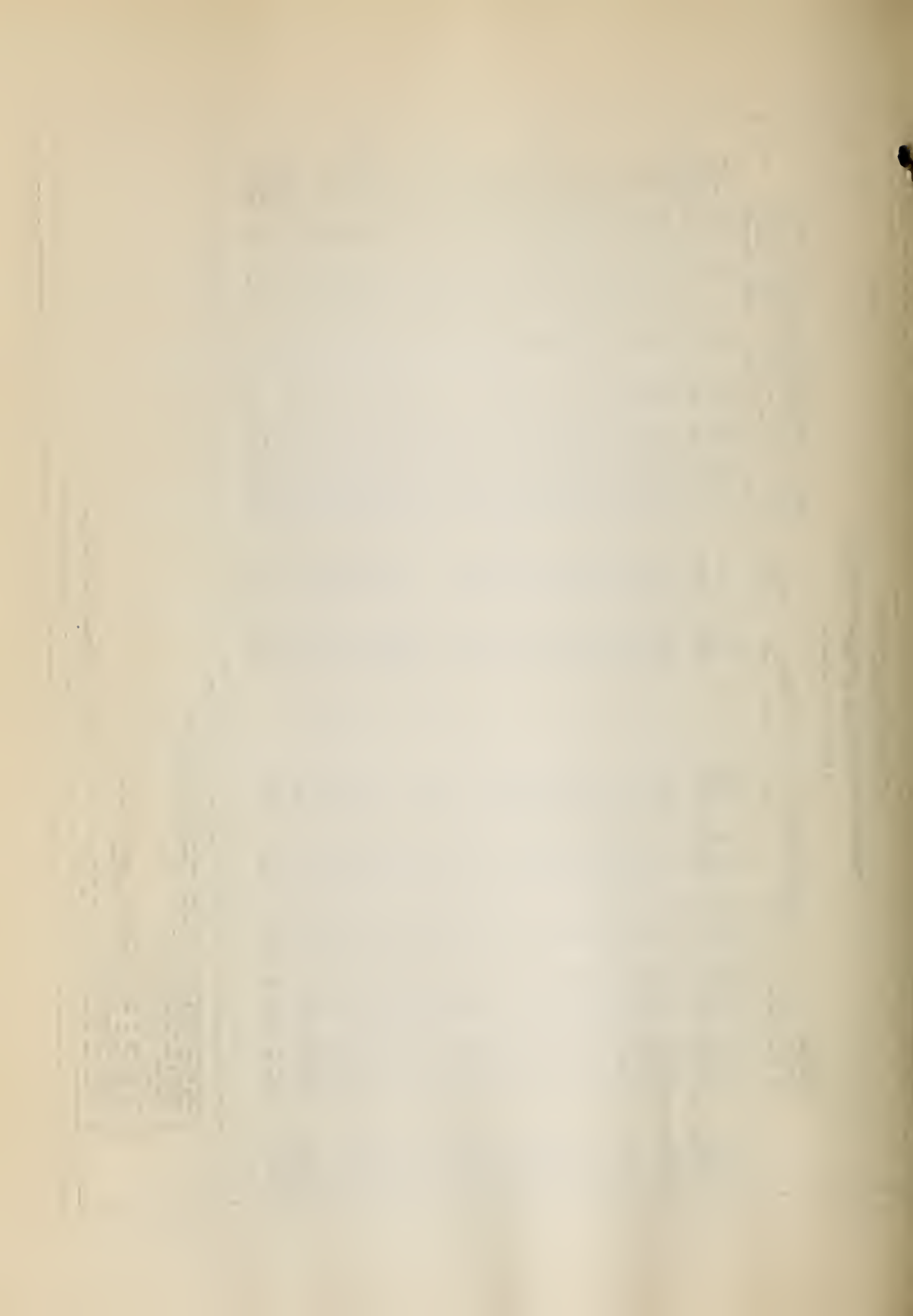
UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PUBLIC ROADS
PROGRAM OF ESTIMATED STATE AND LOCAL HIGHWAY AND BRIDGE EXPENDITURES
FOR CALENDAR YEAR - 1928
(AS REPORTED BY STATE AUTHORITIES)

STATE	GRAND TOTAL			PROBABLE EXPENDITURES BY STATE HIGHWAY DEPARTMENTS			MISCELLANEOUS			PROBABLE EXPENDITURES BY STATE HIGHWAY DEPARTMENTS			ESTIMATED ROAD MILEAGE TO BE BUILT			STATES	
	EXPENDITURES (ESTIMATED)	ON STATE AND LOCAL ROADS	LOCAL ROADS	CONSTRUCTION	RECONSTRUCTION	MAINTENANCE	INCLUDING OVERHEAD	ROADS AND BRIDGES	UPKEEP	ON ROADS AND BRIDGES	ON ROADS AND BRIDGES	LOCAL	STATE	LOCAL	STATE		TOTAL
ALABAMA	25,400,000	18,815,400,000	14,000,000	12,000,000	2,000,000	135,000	1,265,000	1,265,000	10,000,000	800	300	300	3,400	200	200	3,400	ALABAMA
ARIZONA	6,419,275	4,782,287	3,297,348	2,482,773	814,875	1,862	760,065	760,065	1,636,988	353	241	100	1,600	100	100	1,600	ARIZONA
ARKANSAS	33,500,000	30,500,000	28,000,000	23,000,000	5,000,000	1,862	2,500,000	2,500,000	3,000,000	21,540	700	1,500	3,000	1,500	1,500	3,000	ARKANSAS
CALIFORNIA	78,650,000	28,650,000	17,450,000	15,000,000	1,450,000	1,400,000	2,600,000	2,600,000	53,000,000	144	306	306	5,300	144	144	5,300	CALIFORNIA
COLORADO	11,700,300	8,170,800	6,595,000	5,595,000	1,000,000	1,400,000	2,915,500	2,915,500	3,000,000	300	100	200	3,000	200	200	3,000	COLORADO
CONNECTICUT	4	2,120,000	1,800,000	1,800,000	200,000	195,000	135,000	135,000	1,095,000	95	50	50	629	40	40	629	CONNECTICUT
FLORIDA	49,693,395	14,693,336	11,164,947	8,694,047	2,600,000	2,040,000	1,459,338	1,459,338	35,000,000	400	100	200	2,785	100	100	2,785	FLORIDA
GEORGIA	28,450,000	13,450,000	10,765,000	10,265,000	500,000	2,000,000	695,000	695,000	15,000,000	630	130	220	6,729	280	280	6,729	GEORGIA
IOWA	7,000,000	4,500,000	3,350,000	3,000,000	350,000	700,000	700,000	700,000	2,500,000	636	20	600	2,260	6	6	2,260	IOWA
ILLINOIS	74,300,000	44,800,000	40,160,000	36,150,000	4,000,000	2,750,000	1,900,000	1,900,000	29,500,000	11,600	400	400	6,675	1,200	1,200	6,675	ILLINOIS
INDIANA	42,110,407	14,478,407	10,763,407	8,650,000	2,113,407	3,595,000	1,900,000	1,900,000	27,632,000	355	42	21	4,845	293	293	4,845	INDIANA
KANSAS	52,500,000	33,250,000	28,000,000	25,000,000	3,000,000	4,000,000	1,500,000	1,500,000	19,000,000	11,425	500	300	625	40	40	625	KANSAS
KENTUCKY	19,650,000	14,000,000	10,350,000	11,500,000	1,850,000	2,000,000	2,300,000	2,300,000	11,400,000	12,000	850	1,050	1,400	100	100	1,400	KENTUCKY
LOUISIANA	19,275,000	10,575,000	8,250,000	8,000,000	250,000	2,750,000	900,000	900,000	4,250,000	550	250	250	3,400	100	100	3,400	LOUISIANA
MARYLAND	11,702,000	8,702,000	4,030,000	3,210,000	820,000	2,685	4,169,316	4,169,316	500,000	125	45	45	2,685	80	80	2,685	MARYLAND
MASSACHUSETTS	13,790,000	11,290,000	3,500,000	3,000,000	450,000	5,300,000	290,000	290,000	2,500,000	125	60	60	2,685	200	200	2,685	MASSACHUSETTS
MICHIGAN	32,275,000	14,775,000	9,800,000	8,800,000	1,000,000	4,500,000	475,000	475,000	17,500,000	758	300	350	6,955	108	108	6,955	MICHIGAN
MINNESOTA	6,745,000	5,175,000	3,000,000	2,000,000	1,000,000	1,900,000	175,000	175,000	1,500,000	220	100	60	4,300	60	60	4,300	MINNESOTA
MISSISSIPPI	28,742,900	18,742,900	14,888,900	13,088,900	1,800,000	2,784,000	1,100,000	1,100,000	10,000,000	829	472	225	7,600	132	132	7,600	MISSISSIPPI
MONTANA	9,925,000	4,825,000	2,000,000	3,140,000	680,000	470,000	585,000	585,000	5,000,000	257	216	20	1,500	1	1	1,500	MONTANA
NEBRASKA	14,320,000	4,320,000	2,000,000	1,750,000	250,000	2,280,000	20,000	20,000	10,000,000	600	250	350	6,300	1	1	6,300	NEBRASKA
NEVADA	2,259,039	1,709,039	1,138,119	1,078,118	60,000	375,921	195,000	195,000	550,000	257	174	83	1,465	100	100	1,465	NEVADA
NEW HAMPSHIRE	53,795,000	3,795,000	2,415,000	2,415,000	100,000	4,000,000	2,000,000	2,000,000	3,000,000	110	75	75	2,000	1	1	2,000	NEW HAMPSHIRE
NEW JERSEY	5,685,000	3,335,000	2,425,000	2,425,000	16	3,102,800	210,000	210,000	20,000,000	528	16	16	3,900	1	1	3,900	NEW JERSEY
NEW MEXICO	134,688,713	94,688,713	86,188,713	81,188,713	5,000,000	8,500,000	8,500,000	8,500,000	40,000,000	1,487	300	246	10,000	100	100	10,000	NEW MEXICO
NEW YORK	42,300,000	26,300,000	22,100,000	19,600,000	2,500,000	3,200,000	883,075	883,075	17,000,000	1,250	150	400	6,797	700	700	6,797	NEW YORK
NORTH CAROLINA	65,200,000	32,200,000	22,700,000	22,700,000	16	9,500,000	500	500	37,000,000	500	300	300	10,000	100	100	10,000	NORTH CAROLINA
NORTH DAKOTA	22,000,000	12,500,000	9,025,000	7,275,000	1,750,000	3,000,000	875,000	875,000	9,500,000	545	360	60	6,000	125	125	6,000	NORTH DAKOTA
OHIO	14,000,000	7,000,000	2,600,000	2,600,000	400,000	3,800,000	600,000	600,000	7,000,000	130	105	85	3,220	100	100	3,220	OHIO
OKLAHOMA	7,100,000	6,150,000	5,100,000	3,600,000	1,500,000	850,000	200,000	200,000	950,000	40	40	255	12,055	620	620	12,055	OKLAHOMA
OREGON	9,500,000	4,000,000	1,600,000	1,600,000	200,000	2,300,000	300,000	300,000	2,500,000	800	50	200	480	40	40	480	OREGON
PENNSYLVANIA	31,350,000	22,150,000	15,750,000	14,170,000	1,580,000	2,800,000	2,800,000	2,800,000	5,500,000	407	300	400	5,200	150	150	5,200	PENNSYLVANIA
RHODE ISLAND	3,825,000	2,425,000	1,000,000	1,000,000	200,000	900,000	275,000	275,000	300,000	400	200	200	1,800	100	100	1,800	RHODE ISLAND
SOUTH CAROLINA	31,925,000	24,925,000	21,000,000	19,000,000	2,000,000	4,000,000	9,000,000	9,000,000	15,000,000	800	400	100	300	300	300	300	SOUTH CAROLINA
TENNESSEE	4,500,000	3,500,000	2,500,000	2,500,000	250,000	2,750,000	330,000	330,000	5,500,000	407	300	400	4,860	7	7	4,860	TENNESSEE
UTAH	19,457,750	12,457,750	8,697,000	8,133,000	564,000	3,483,750	271,060	271,060	10,000,000	238	115	108	5,240	40	40	5,240	UTAH
VERMONT	22,000,000	12,000,000	10,600,000	9,100,000	1,500,000	1,400,000	1,400,000	1,400,000	10,000,000	111	108	108	3,168	74	74	3,168	VERMONT
VIRGINIA	33,692,000	19,439,000	14,664,000	13,000,000	1,664,000	4,610,000	165,000	165,000	14,253,000	1,446	111	103	10,000	303	303	10,000	VIRGINIA
WEST VIRGINIA	3,656,000	2,756,000	1,860,000	1,450,000	400,000	670,000	226,000	226,000	900,000	400	184	216	2,930	1	1	2,930	WEST VIRGINIA
WISCONSIN																	WISCONSIN
WYOMING																	WYOMING
TOTALS (12)																	TOTALS

REMARKS - ROAD BOND PAYMENTS EXCLUDED IN ABOVE EXPENDITURES. THE ESTIMATES ARE GENERALLY CONSERVATIVE.

NOTES -

- (1) STATES REPORTING RECONSTRUCTION OF ROAD COSTS UNDER MAINTENANCE ARE SO SHOWN HERE.
- (2) WHERE NO ENTRY IS SHOWN, OVERHEAD IS INCLUDED IN CONSTRUCTION AND MAINTENANCE.
- (3) INCLUDES SOME EARTH IMPROVED MILEAGE.
- (4) NO ROAD PROGRAM ESTIMATES AVAILABLE.
- (5) OVERS ONLY WIDENING OF EXISTING ROADS.
- (6) INCLUDES WITH ROAD CONSTRUCTION.
- (7) ESTIMATES BASED ON 1928 ROAD SURVEY DATA.
- (8) ALSO 8000 MILES OF TOWNWAYS ARE MAINTAINED IN COOPERATION WITH TOWNS.
- (9) INCLUDES \$3,000,000 FOR REPLACEMENTS DUE TO 1927 FLOOD.
- (10) INCLUDES STATE PARKWAY MILEAGE.
- (11) NO MILEAGE SHOWN, ON ACCOUNT OF OMISSION OF CONSTRUCTION OF TWO STATES.
- (12) NO TOTALS SHOWN, ON ACCOUNT OF OMISSION OF CONSTRUCTION OF TWO STATES.



PROGRESS OF FEDERAL HIGHWAY LEGISLATION

(NOT FOR RELEASE)

NEW BILLS INTRODUCED IN CONGRESS SINCE THE LAST ISSUE OF THE NEWS LETTER AND FURTHER ACTION ON BILLS PREVIOUSLY INTRODUCED ARE SUMMARIZED BELOW:

H. R. 4625. - INTRODUCED IN THE HOUSE ON DECEMBER 5, BY R. W. MOORE OF VIRGINIA, AND DESCRIBED IN THE DECEMBER, 1927, NEWS LETTER. THIS IS THE AUTHORIZATION BILL FOR THE MOUNT VERNON MEMORIAL HIGHWAY. IT WAS REPORTED OUT FAVORABLY BY THE COMMITTEE ON ROADS ON MARCH 28, 1928.

H. R. 8269. - SIGNED BY THE PRESIDENT ON FEBRUARY 2, 1928. INCLUDES AN APPROPRIATION OF \$3,000, AS DESCRIBED IN THE JANUARY, 1928, NEWS LETTER, TO PAY THE QUOTA OF THE UNITED STATES IN THE PERMANENT ASSOCIATION OF INTERNATIONAL ROAD CONGRESSES.

H. R. 9136. - THIS IS THE APPROPRIATION BILL FOR THE DEPARTMENT OF INTERIOR FOR THE FISCAL YEAR ENDING JUNE 30, 1929. IT HAS BEEN PASSED BY BOTH HOUSES OF CONGRESS AND WAS SIGNED BY THE PRESIDENT ON MARCH 7, 1928, BECOMING PUBLIC - No. 100. THE BILL INCLUDES THE APPROPRIATIONS AND PROVISIONS FOR NATIONAL PARK ROADS DESCRIBED IN THE LAST NEWS LETTER.

H. R. 9767. - AUTHORIZES AN APPROPRIATION OF \$2,654,000 FOR THE RELIEF OF VERMONT ON ACCOUNT OF THE DESTRUCTION OF ROADS AND BRIDGES BY THE RECENT FLOOD, AS DESCRIBED IN THE FEBRUARY, 1928, NEWS LETTER. THIS APPROPRIATION WAS INCLUDED IN THE AGRICULTURAL APPROPRIATION BILL, AS AN AMENDMENT, ON MARCH 29, 1928.

H. R. 10565. - AUTHORIZES AN APPROPRIATION OF \$1,831,794 FOR THE RELIEF OF KENTUCKY ON ACCOUNT OF THE DESTRUCTION OF ROADS AND BRIDGES BY THE RECENT FLOOD, AS DESCRIBED IN THE FEBRUARY, 1928, NEWS LETTER. THIS APPROPRIATION WAS INCLUDED IN THE AGRICULTURAL APPROPRIATION BILL, AS AN AMENDMENT, ON MARCH 29, 1928.

H. R. 10864. - AUTHORIZES AN APPROPRIATION OF \$653,300 FOR THE RELIEF OF NEW HAMPSHIRE ON ACCOUNT OF THE DESTRUCTION OF ROADS AND BRIDGES BY THE RECENT FLOOD, AS DESCRIBED IN THE FEBRUARY, 1928, NEWS LETTER. THIS APPROPRIATION WAS INCLUDED IN THE AGRICULTURAL APPROPRIATION BILL, AS AN AMENDMENT, ON MARCH 29, 1928.

1941

THE UNITED STATES OF AMERICA
DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF STAFF
WASHINGTON, D. C.

MEMORANDUM FOR THE CHIEF OF STAFF
SUBJECT: [Illegible]

1. [Illegible]

2. [Illegible]

3. [Illegible]

H. R. 12380. - INTRODUCED IN THE HOUSE ON MARCH 24, BY J. S. PARKER OF NEW YORK, AND REFERRED TO THE COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE. PROVIDES FOR THE REGULATION OF MOTOR VEHICLES OPERATING IN INTERSTATE COMMERCE AS COMMON CARRIERS OF PERSONS ON THE PUBLIC HIGHWAYS. PROVIDES THAT STATE BOARDS SHALL ADMINISTER THE ACT, WHERE THEY EXIST; OTHERWISE THE INTERSTATE COMMERCE COMMISSION SHALL FUNCTION. PROVIDES THAT NO PERSON SHALL ENGAGE IN INTERSTATE COMMERCE WITH MOTOR VEHICLES UNTIL A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY HAS BEEN OBTAINED, AFTER HAVING FILED A SPECIFIED APPLICATION. THE APPLICANT MOTOR CARRIER MUST ALSO FILE A BOND, WITH THE BOARD OR COMMISSION, BINDING HIMSELF TO PAY DAMAGES ARISING OUT OF THE DEATH OR INJURY OF PERSONS OR PROPERTY. PROVIDES THAT RATES AND FARES SHALL BE JUST AND REASONABLE AS DETERMINED BY THE BOARD OR COMMISSION. PROVIDES THAT THE BOARD OR COMMISSION SHALL HAVE AUTHORITY TO REQUIRE CONTINUOUS AND ADEQUATE SERVICE AT JUST AND REASONABLE RATES. PROVIDES THAT WHERE A CONTROVERTED QUESTION INVOLVES TWO OR MORE STATES THAT THE SEVERAL BOARDS IN SESSION MAY DECIDE THE MATTER. PROVIDES FOR THE CREATION OF A JOINT BOARD FROM REPRESENTATIVES OF THE SEVERAL STATE BOARDS TO DECIDE ON MATTERS OTHER THAN RATES. PROVIDES FOR APPEALS FROM THE DECISION OF A STATE BOARD OR THE JOINT BOARD TO THE INTERSTATE COMMERCE COMMISSION. PROVIDES FOR THE SERVICE OF ORDERS OF THE BOARDS UPON INTERSTATE MOTOR CARRIERS, PROVIDES A FINE OF \$100 FOR THE FIRST OFFENSE AND A FINE OF NOT MORE THAN \$500 FOR SUBSEQUENT VIOLATIONS OF THE ORDERS OF THE BOARD OR COMMISSION. PROVIDES THAT THE ACT SHALL NOT BE CONSTRUED TO AFFECT INTERSTATE COMMERCE BY MOTOR CARRIERS. THESE ARE SUBJECT ONLY TO STATE LAWS AND SUPERVISION.

H. R. 12385. - INTRODUCED IN THE HOUSE ON MARCH 24, BY D. B. COLTON OF UTAH, AND REFERRED TO THE COMMITTEE ON ROADS. PROVIDES FOR CERTAIN AMENDMENTS TO THE EXISTING FEDERAL-AID ROAD LEGISLATION. PROVIDES THAT PARAGRAPH 4, SECTION 4 OF THE POST OFFICE APPROPRIATION BILL FOR THE FISCAL YEAR ENDING JUNE 30, 1923, PRESCRIBING LIMITATIONS ON THE PAYMENTS OF FEDERAL FUNDS PER MILE, SHALL BE SO AMENDED THAT THE FEDERAL SHARE SHALL IN NO CASE EXCEED 50 PER CENT OF THE TOTAL COST OF THE PROJECT EXCEPT AS AUTHORIZED TO BE INCREASED IN THE PUBLIC-LAND STATES. PROVIDES THAT PARAGRAPH 6 OF THE FEDERAL HIGHWAY ACT, APPROVED NOVEMBER 9, 1921, REQUIRING THAT NOT MORE THAN 60 PER CENT OF THE FEDERAL AID ALLOTTED TO ANY STATE SHALL BE EXPENDED UPON THE PRIMARY ROADS, AS FURTHER QUALIFIED, SHALL BE REPEALED. PROVIDES FOR THE FURTHER AMENDMENT OF SECTION 11 OF THE FEDERAL HIGHWAY ACT, APPROVED NOVEMBER 9, 1921, SO THAT FEDERAL AID MAY BE GRANTED UP TO ONE HUNDRED PER CENT OF THE COST OF THE PROJECT

THE STATE OF TEXAS, COUNTY OF DALLAS, ss. I, the undersigned, Clerk of the County, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears in the records of the County of Dallas, Texas, this 15th day of August, 1915.

WITNESSED my hand and the seal of the County of Dallas, Texas, at Dallas, Texas, this 15th day of August, 1915.

ON CERTAIN ROADS IN THE PUBLIC-LAND STATES, PROVIDED THE STATE SHALL ALLOCATE DURING THE SAME FISCAL YEAR, UPON SOME OTHER FEDERAL-AID PROJECT, THE AMOUNT IT WOULD ORDINARILY HAVE BEEN REQUIRED TO SPEND ON THE 100-PER CENT PROJECT. PROVIDES FOR THE PLANTING AND MAINTENANCE OF SHADE TREES UPON APPROVED SECTIONS OF THE FEDERAL-AID HIGHWAY SYSTEM. PROVIDES THAT THE TOTAL MILEAGE OF THE FEDERAL-AID HIGHWAY SYSTEM IN A STATE MAY EXCEED 7 PER CENT OF THE TOTAL MILEAGE IN THE STATE, BY THE MILEAGE OF ROADS IN THE SYSTEM WITHIN FEDERAL RESERVATIONS. PROVIDES THAT FEDERAL FUNDS MAY BE EXPENDED ON THAT PORTION OF A HIGHWAY OR STREET WITHIN A MUNICIPALITY HAVING A POPULATION OF 2,500 OR MORE, ALONG WHICH, FROM A POINT ON THE CORPORATE LIMITS INWARDLY, THE HOUSES AVERAGE MORE THAN 200 FEET APART: PROVIDED, THAT NO FEDERAL FUNDS SHALL BE EXPENDED FOR THE CONSTRUCTION OF ANY BRIDGE WITHIN OR PARTLY WITHIN ANY MUNICIPALITY HAVING A POPULATION OF MORE THAN 30,000 AS SHOWN BY THE LATEST AVAILABLE FEDERAL OR STATE CENSUS; BUT THIS LIMITATION SHALL NOT APPLY IN THE CASE OF AN INTERSTATE BRIDGE, INCLUDING APPROACHES, CONNECTING SUCH MUNICIPALITY IN ONE STATE WITH A POINT IN AN ADJOINING STATE WHICH MAY BE WITHIN A MUNICIPALITY HAVING A POPULATION OF NOT MORE THAN 10,000. PROVIDES THAT ALL ACTS OR PARTS OF ACTS INCONSISTENT WITH THE PROVISIONS OF THIS ACT SHALL BE REPEALED.

H. J. RES. 107. - THIS RESOLUTION WAS DESCRIBED IN THE FEBRUARY, 1928, NEWS LETTER. S. J. RES. 31 WAS SUBSTITUTED FOR THIS BILL, PASSED, AND SIGNED BY THE PRESIDENT, ON MARCH 29, 1928.

H. J. RES. 108. - THIS RESOLUTION WAS DESCRIBED IN THE FEBRUARY, 1928, NEWS LETTER. S. J. RES. 30 WAS SUBSTITUTED FOR THIS BILL, PASSED, AND SIGNED BY THE PRESIDENT ON APRIL 4, 1928.

H. J. RES. 252. - INTRODUCED IN THE HOUSE ON MARCH 27, BY C. COLE OF IOWA, AND REFERRED TO THE COMMITTEE ON FOREIGN AFFAIRS. AUTHORIZES THE ASSISTANCE OF THE UNITED STATES GOVERNMENT IN THE CONSTRUCTION OF AN INTER-AMERICAN HIGHWAY IN THE WESTERN HEMISPHERE.

H. J. RES. 256. - INTRODUCED IN THE HOUSE ON MARCH 28, BY W. J. SEARS OF FLORIDA AND REFERRED TO THE COMMITTEE ON ROADS: AUTHORIZES THE BUREAU TO MAKE A SURVEY TO DETERMINE THE COST OF CERTAIN BRIDGES ON UNITED STATES ROUTE 1, AND ITS EXTENSION FROM THE FLORIDA MAINLAND TO KEY WEST. A SIMILAR BILL - H. RES. 117 - WAS DESCRIBED IN THE LAST NEWS LETTER.

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H. J. Res. 259. - INTRODUCED IN THE HOUSE ON APRIL 2, BY C. J. MCLEOD OF MICHIGAN, AND REFERRED TO THE COMMITTEE ON FOREIGN AFFAIRS. AUTHORIZES THE ASSISTANCE OF THE UNITED STATES GOVERNMENT IN THE CONSTRUCTION OF AN INTER-AMERICAN HIGHWAY IN THE WESTERN HEMISPHERE.

H. Res. 117. - THIS BILL WAS DESCRIBED IN THE LAST ISSUE OF THE NEWS LETTER. IT WAS REPORTED OUT ON MARCH 27, 1928, BY THE COMMITTEE ON ROADS WITH AN AMENDMENT ELIMINATING THE CLAUSE ENDORSING THE CONSTRUCTION OF THE BRIDGES BY THE GOVERNMENT, THUS LIMITING THE WORK OF THE BUREAU TO A SURVEY AND ESTIMATE OF THE COST OF THE WORK.

S. 1718. - THIS BILL WAS DESCRIBED IN THE DECEMBER, 1927, NEWS LETTER. IT WAS REPORTED OUT WITHOUT AMENDMENT ON APRIL 13, 1928, BY THE SENATE COMMITTEE ON POST OFFICES AND POST ROADS.

S. 2699. - THIS BILL WAS DESCRIBED IN THE FEBRUARY, 1928, NEWS LETTER. IT IS SIMILAR TO H. R. 9767 DESCRIBED ABOVE. ON MARCH 3, 1928, THIS APPROPRIATION WAS INCLUDED AS AN AMENDMENT TO THE AGRICULTURAL APPROPRIATION BILL.

S. 3674. - INTRODUCED IN THE HOUSE ON MARCH 19, BY T. L. ODDIE OF NEVADA, AND REFERRED TO THE COMMITTEE ON POST OFFICES AND POST ROADS. AMENDS EXISTING FEDERAL-AID ROAD LEGISLATION AND AUTHORIZES AN APPROPRIATION OF \$3,500,000 FOR EACH OF THE FISCAL YEARS 1929, 1930, AND 1931, FOR THE CONSTRUCTION OF ROADS ON THE FEDERAL-AID SYSTEM IN THE PUBLIC-LAND STATES. THESE SUMS ARE IN ADDITION TO THE OTHER FEDERAL AID AUTHORIZED TO BE APPROPRIATED, AND NO CONTRIBUTION FROM THE STATES SHALL BE REQUIRED IN THE EXPENDITURE THEREOF. ON APRIL 13, THIS BILL WAS REPORTED OUT FROM THE COMMITTEE WITHOUT AMENDMENT.

S. 3874. - INTRODUCED IN THE SENATE ON APRIL 3, BY T. J. WALSH OF MONTANA, AND REFERRED TO THE COMMITTEE ON POST OFFICES AND POST ROADS. AUTHORIZES AN APPROPRIATION OF \$1,943,200 FOR THE CONSTRUCTION OF A HIGHWAY FROM RED LODGE, MONTANA, TO THE BOUNDARY OF YELLOWSTONE NATIONAL PARK NEAR COOKE CITY.

S. 3992. - INTRODUCED IN THE SENATE ON APRIL 9, BY J. E. WATSON OF INDIANA, AND REFERRED TO THE COMMITTEE ON INTERSTATE COMMERCE. THIS BILL IS IDENTICAL WITH H. R. 12380 AS DESCRIBED ABOVE.

S. J. Res. 30. - THIS BILL WAS DESCRIBED IN THE DECEMBER, 1927, NEWS LETTER. IT WAS SIGNED BY THE PRESIDENT ON APRIL 4, 1928, AND IS NOW PUBLIC RESOLUTION 24.

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S. J. RES. 31. - THIS BILL WAS DESCRIBED IN THE DECEMBER, 1927, NEWS LETTER. IT WAS SIGNED BY THE PRESIDENT ON APRIL 29, 1928, AND IS NOW PUBLIC RESOLUTION 18.

