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EXTRACT FROM THE ADDRESS OF W. M. JARDINE, SECRETARY OF AGRICULTURE, BEFORE THE ANNUAL MEETING OF THE ILLINOIS AGRICULTURAL ASSOCIATION AT CHAMPAIGN, ILLINOIS, ON JANUARY 21, 1926.

"THE WHOLE PRESENT SYSTEM OF TAXATION IS BASED UPON THE CON-DITIONS OF FOUR GENERATIONS AGO. THE UNIT OF LEVY FOR SOME PURPOSES IS TOO SMALL. A DISPROPORTIONATE PART OF THE TAXES FOR STATE USE IS STILL DRAWN FROM REAL ESTATE. THE MOVEMENT OF OLD-TIME INDUSTRIES FROM COUNTRY TO CITY HAS NEVER BEEN ALLOWED FOR IN SHAPING THE TAX-ATION POLICY. IT IS TIME NOW THAT WE HAVE SOME BROADENING OF THE SUPPORT FOR INSTITUTIONS LIKE SCHOOLS AND ROADS THAT SERVE ALL THE PEOPLE. THE CITIES WILL EVENTUALLY HAVE TO ASSUME A SHARE OF THE TAX EURDEN MORE IN KEEPING BOTH WITH RESPECT TO BENEFITS DERIVED AND LIKEWISE ABILITY TO PAY. * * *

"WE HAVE ENTERED UPON A PERIOD OF REMARKABLE SEVELOPMENT IN OUR HIGHWAY SYSTEM, A DEVELOPMENT CONDITIONED QUITE LARGELY UPON THE GROWING USE OF MOTOR VEHICLES. IT IS IMPORTANT TO THE NATION THAT THIS HIGHWAY DEVELOPMENT BE SO DIRECTED THAT IT BRING GOOD ROADS AS NEAR AS POSSIBLE TO EVERY FARMER AND AT THE SAME TIME COORDINATE EFFECTIVELY WITH OTHER TRANSPORTATION FACILITIES. THE PROGRAM OF ROAD BUILDING SHOULD BE IN KEEPING WITH THE NEEDS AND RESOURCES OF THE VARIOUS REGIONS OF THE COUNTRY. IT IS A MATTER OF NATIONAL CONCERN, HOWEVER, AND ONE UPON WHICH THERE SHOULD CLEARLY BE COOPERATION BETWEEN THE FEDERAL AND STATE GOVERNMENTS."

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HIGHWAY FINANCE - FEDERAL, STATE AND LOCAL

EXTRACTS FROM THE ADDRESS OF THE CHIEF OF THE BUREAU TO THE CONVENTION OF THE AMERICAN ROAD BUILDERS' ASSOCIATION HELD AT CHICAGO, Illinois, January 1:-15, 1926.

> "THE MAJOR RESPONSIBILITIES OF THE PUBLIC BUSINESS OF THE NATION FALL MOST HEAVILY UPON THE LOCAL, RURAL AND URBAN GOVERNMENTS, NEXT UPON THE FEDERAL GOVERNMENT AND LEAST UPON THE STATE GOVERNMENTS. THE RATIO FIXED BY 1923 EXPENDITURES IS ABOUT 5.1 LOCAL, RURAL AND URBAN; 3.5 FEDERAL, AND 1.5 STATE." * * * * *

> "OF THE FUNDS AVAILABLE FOR EXPENDITURE UNDER THE SUPERVISION OF THE STATE HIGHWAY DEPARTMENTS IN 1924, 15.9 PER CENT WAS TRANSFERRED FROM COUNTIES, 16.5 PER CENT GAME FROM FEDERAL AID, 40 PER CENT FROM MOTOR VEHICLE FEES AND GAS TAX. THAT IS, 72.4 PER CENT OF THE IOTAL STATE HIGHWAY PROGRAM ESTIMATED AT \$555,000,000 WAS FINANCED OTHER THAN BY USING THE CREDIT OF THE STATES OR THE GENERAL TAXING POWER OF THE STATES." * * * *

> "THE FINANCING OF THE STATE HIGHWAY PROGRAM THROUGH CONTRIBUTIONS FROM THE COUNTIES IS WRONG IN PRINCIPLE AND WILL COST THE PUBLIC MORE IN THE END."* * *

"A GREATER PERCENTAGE OF STATE HIGHWAY FUNDS SHOULD BE EXPENDED FOR MORE DURABLE CONSTRUCTION, AND THE STATE HIGHWAY DEPARTMENTS SHOULD BE FINANCED WITHOUT RECOURSE TO COUNTY CONTRIBUTIONS.

"THE STATES MUST EXTEND THE SUPERVISION OF THEIR STATE HIGHWAY DEPARTMENTS OVER A LARGER MILEAGE OF LOCAL ROADS TO INSURE THEIR MAINTENANCE, THUS PRESERVING THE INVESTMENT. UNLESS THIS IS DONE WE ARE HEADED TOWARD LARGER LOCAL EXPENDITURES FOR HIGHWAY PURPOSES OR A DEPRECIATION OF ROADS ALREADY BUILT." * * *

"THE TOTAL RURAL HIGHWAY MILEAGE OF THE UNITED STATES AT THE END OF 1924 AMOUNTED TO 3,002,916 MILES. THE RESPONSIBILITY FOR THE IMPROVEMENT AND MAINTENANCE OF THESE HIGHWAYS IS DIVIDED BETWEEN THE HIGHWAY DEPART-MENTS OF THE SEVERAL STATES ON THE ONE HAND AND THE COUNTIES AND TOWNSHIPS ON THE OTHER. THESE TWO TYPES OF CONTROL MAY BE CALLED STATE CONTROL AND LOCAL CONTROL.

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"OF THIS TOTAL HIGHWAY MILEAGE 259,721 MILES, OR 8.6 PER CENT, WERE UNDER THE SUPERVISION AND CONTROL OF THE STATE HIGHWAY DEPARTMENTS; THE LOCAL CONTROL EXTENDED OVER 2,743,195 MILES, OR 91.4 PER CENT OF THE COUNTRY'S TOTAL HIGHWAY MILEAGE. THE SIGNIFICANT FACT IS THAT SUCH A SMALL PART OF THE TOTAL HIGHWAY MILEAGE IS FOUND TO BE UNDER DIRECT OR INDIRECT CONTROL OF STATE HIGHWAY DEPARTMENTS. THE COUNTIES AND TOWNSHIPS AND LOCAL ROAD DISTRICTS ARE STILL RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF EY FAR THE LARGER PORTION OF ALL THE HIGHWAYS. THE RELATIONSHIP OF THE IMPORTANCE OF THE HIGHWAYS UNDER THESE TWO TYPES OF CONTROL SO FAR AS TRAFFIC CONDI-TIONS ARE CONCERNED IS A WHOLLY DIFFERENT MATTER."* *

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"SECRETARY MELLON IN HIS REPORT, PAGE 21, SAYS: WE STILL MAKE, AS A RESULT OF THE WAR, TREMENDOUS EXPENDITURES FOR DEBT RETIREMENTS, INTEREST ON THE DEBT, CARE OF DISABLED VETERANS, ETC., BUT THESE ARE UNAVOIDABLE AND WILL BE NECESSARY FOR MANY YEARS TO COME. IT IS THE INEVITABLE PRICE WHICH WE CONTINUE TO PAY FOR THE WAR. IN THIS CONNECTION IT IS OF INTEREST TO POINT OUT THE PROPORTION OF GOVERNMENT EXPENDITURES WHICH ARE DUE TO WAR. WHILE IT IS NOT POSSIBLE TO SEGREGATE ENTIRELY ALL EXPENDITURES WHICH MIGHT FALL IN THIS CATEGORY, IF WE ADD TO THE DISBURSE-MENTS FOR PUBLIC DEBT RETIREMENTS, INTEREST ON THE DEBT, War, Navy, Veterans' Bureau, and pensions, other extra-ORDINARY EXPENDITURES, SUCH AS ADJUSTED COMPENSATION AND THE INCREASED OUTLAYS BY THE TREASURY, THE EXPENDI-TURES WHICH ARE DIRECTLY OR INDIRECTLY ATTRIBUTABLE TO WAR AND THE NATIONAL DEFENSE COMPOSE OVER 80 PER CENT OF TOTAL FEDERAL EXPENDITURES. THE AMOUNTS SPENT BY THIS GOVERNMENT IN AID OF AGRICULTURE AND SUSINESS, FOR SCIENCE, EDUCATION, BETTER ROADS, AND OTHER CONSTRUCTIVE EFFORTS ARE INSIGNIFICANT WHEN COMPARED WITH OUTLAYS DUE TO WAR AND NATIONAL DEFENSE. THIS WILL BE THE INEVITABLE SITUATION AS LONG AS WAR IS THE METHOD OF SETTLING INTERNATIONAL DISPUTES. THESE FACTS SHOULD BE FACED SQUARELY BY THOSE WHO CLAMOR FOR REDUCED GOVERN-MENT EXPENDITURES AND AT THE SAME TIME OPPOSE THE WORLD'S EFFORTS TO DEVISE RATIONAL METHODS FOR DEALING WITH INTERNATIONAL QUESTIONS.

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"By DOING AWAY WITH THE ENTIRE FEDERAL ROAD PROGRAM THE TAXPAYER WITHOUT DEPENDENTS WHO PAYS AN INCOME TAX OF \$37.50 on \$5,000 would save about 88 cents.

		GOVERNMENTAL	EXPENDITURES	1923
FEDERAL	*	\$ 3,648,000,000	(ACTUAL)	\$33:20 PER CAPITA
STATE	, , ,	1,310,000,000	(ACTUAL)	11.82 " "
LOCAL	2	5,142.000.000	(ESTIMATED)	46.41
TOTAL	• • •	\$10,100,000,000		\$91.40

"ESTIMATED TOTAL HIGHWAY AND STREET EXPENDITURE COMPARED WITH TOTAL EXPENDITURES ALL PURPOSES

	:EXPENDETURES ;	TOTAL EXPEND-	:RATIO OF HIGH	HWAY
		PURPOSES	TOTAL EXPEND	TURES
FEDERAL	ې •		5	
GOVERNMENT	:\$ 90,000,000:\$	\$ 3,648,000,000	: 2.5	PER CENT
	* *		ĩ	
STATE & LOCAL	3			
GOVERNMENTS	: 1,210,000,000:	6,452,000,000	18.7	11 11
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TOTAL	:\$1,300,000,000:5	\$10,100,000,000	:AVERAGE 12.9	PER CENT

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MILEAGE OF FEDERAL-AID ROADS INITIALLY IMPROVED WITH STATE AND FEDERAL FUNDS DURING THE CALENDAR YEAR 1925 AND TOTALS TO DECEMBER 31, 1925.

GEOGRAPHIC DIVISIONS	STOTAL IMPROVE	ED TO SIMPROVED DURING	G: TOTAL IMPROVED TO
AND STATES	DECEMBER 31,	1924.; CALENDAR YEAR	:DECEMBER 31, 1925.
	ę.	; !925.	•
	: MILES	; MILES	: Miles
	, •	:	:
GRAND TOTAL	: 41,667.8	: 10,348.0	: 52,015.8
	e 9	:	:
NEW ENGLAND	: 1,071.3	: 191.7	: 1,263.0
	t	5 •	:
MAINE	: 278.6	: 17.8	: 296.4
New Hampshire	: 211.7	: 31.3	: 243.0
VERMONT	: 87.0	: 46.0	: 133.0
MASSACHUSETTS	: 319.9	: 62.2	: 382.1
RHODE SLAND	: 62.7	: 24.0	: 86.7
CONNECTICUT	: 11.4	: 10.4	: 121.8
MIDDLE ATLANTIC	: 2,008.3	: 543.3	: 2,551.6
	* 3	:	:
New York	: 834.4	: 250.7	: 1,085.1
New Jersey	: 211.8	: 65.8	: 277.6
PENNSYLVANIA	962.1	: 226.8	: 1,188.9
EAST NORTH CENTAL	: 4,988.4	: 956.9	: 5,945.3
	:	:	:
Онто	: 1,149.7	: 183.7	: 1,333.4
IND' ANA	: 391.4	: 237.7	: 629.1
LLINO:S	: 1,247.4	: 171.1	: 1,418.5
MICHEGAN	: 753.5	222.2	: 975.7
WISCONSIN	: 1,446.4	: 142.2	: 1,588.6
WEST NORTH CENTRAL	: 11,775.9	: 2,565.2	: 14,341.1
	? *	9 6	•
MINNESOTA	: 2,713.3	: 405.0	; 3,118.3
IOWA	: 1,892.1	: 183.0	: 2,075.1
MISSOURI	: 1,125.0	: 479.4	: 1,604.4
NORTH DAKOTA	: 1,928.0	: 304.1	: 2,232.1
SOUTH DAKOTA	: 1,493.4	: 646.2	: 2,139.6
NEBRASKA	: 1,765.4	: 233.0	: 1,998.4
KANSAS	: 858.7	: 314.5	: 1,173.2

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MILEAGE OF FEDERAL-A'D ROADS INITIALLY IMPROVED WITH STATE AND FEDERAL FUNDS DURING THE CALENDAR YEAR 1925 AND TOTALS TO DECEMBER 31, 1925. (CONTINUED)

GEOGRAPHIC DIVISIONS	TOTAL IMPROVED TO	: MPROVED DURING	TOTAL IMPROVED TO
AND STATES	:December 31, 1924.	CALENDAR YEAR	:DECEMBER 31, 1925.
	s	: 1925.	s
	: MILES	: Miles	: Miles
	:	:	:
SOUTH ATLANTIC	: 5,342.5	: 1,120.5	: 6,463.0
	•	:	:
DELAWARE	: 86.3	: 33.1	: 119.4
MARYLAND	: 293.5	: 82.6	: 376.1
VIRGINIA	: 741.5	: 260,4	: 1,001.9
West VIRGINIA	: 321.8	: 41.6	: 363.4
North Carolina	: 1,078.5	: 166.7	; 1,245.2
South Carolina	: 1,195.8	: 145.4	: 1,341.2
GEORGIA	: 1,430.5	: 372.5	: 1,803.0
FLORIDA	: 194.6	: 18.2	: 2;2.8
EAST SOUTH CENTRAL	2,581.0	: 1,179.0	: 3,760.0
	;	•	:
KENTUCKY	: 565.0	: 167.2	: 732.2
TENNESSEE	: 450.9	: 275.2	: 726.1
ALABAMA	: 811.0	: 537.3	: 1,348.3
MISSISSIPPI	. 754.1	199.3	953.4
West South Central	: 6,034.3	: 2,009.1	: 8,043.4
	8	3	:
ARKANSAS	: 1,026.8	: 227.3	: 1,254.1
LOUISIANA	: 824.0	: 218.4	: 1,042.4
.OKLAHOMA	: 630,5	: 385.4	: 1,015.9
TEXAS	: 3,553.0	: 1,178.0	: 4,73:.0
MOUNTAIN	5,696.5	: 1,318.9	: 7,015.4
	•	t t	:
MONTANA	: 902.3	: 120.8	: 1,023.1
I DAHO	: 576.6	: 159.0	: 735.6
WYOMING	: 956.6	: 178.4	: 1,135.0
COLORADO	: 658.2	: 134.0	: 792.2
New Mexico	: 1,184.9	: 242.1	: 1,427.0
ARIZONA	: 614.9	: 120.6	: 735.5
UTAH	; 426.9	: 156.5	: 583.4
NEVADA	: 376.1	: 207.5	: 583.6
PACIFIC	: 2,169.6	: 463.4	: 2,633.0
	:	:	:
WASHINGTON	: 536.6	: 128.6	: 665.2
OREGON	: 814.2	: 104.2	: 918.4
CALIFORNIA	: 818.8	: 230.6	: 1,049.4



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PROGRESS OF FEDERAL HIGHWAY LEGISLATION

THE FOLLOWING BILLS HAVE BEEN INTRODUCED IN THE HOUSE OF REPRESENTATIVES SINCE THE PRESENT CONGRESS (69TH - FIRST SESSION) CONVENED ON DECEMBER 7, 1925. THEY HAVE ALL BEEN REFERRED TO THE APPROPRIATE COMMITTEES BUT AS YET NONE BUT THE BILL MAKING APPROPRIATIONS FOR THE DEPARTMENT OF AGRICULTURE HAS BEEN REPORTED OUT. THE LAST CONGRESS AUTHORIZED BUT DID NOT APPROPRIATE \$75,000,000 FOR FEDERAL AID AND \$7,500,000 FOR FOREST ROADS FOR EACH OF THE FISCAL YEARS ENDING JUNE 30, 1926, AND JUNE 30, 1927.

H.R. 3823 - INTRODUCED IN HOUSE DECEMBER 7, 1925, BY C. C. Dowell of Iowa.

> Authorizes appropriation of \$80,000,000 for fiscal Year 1928; and \$80,000,000 for fiscal year 1929. Authorizes for forest roads the following sums: For fiscal years 1928 and 1929, \$8,000,000 each.

H.R. 4442 - INTRODUCED IN HOUSE DECEMBER 9, 1925, BY D. B. Colton of Utah.

AMENDS SEC. 11 OF FEDERAL HIGHWAY ACT BY ADDING AT THE END OF THE SECOND PARAGRAPH, A PROVISION THAT THE WHOLE COST OF FEDERAL-AID ROADS MAY BE PAID BY THE GOVERNMENT IN PUBLIC LAND STATES UNDER CERTAIN CONDITIONS.

AMENDS POST OFFICE APPROPRIATION ACT OF JUNE 30, 1923, TO MAKE LIMITS OF PAYMENT CONFORM TO THE ABOVE.

ALSO PROVIDES THAT SECRETARY MAY MAKE PAYMENTS IN EXCESS OF \$15,000 PER MILE:

- 1. IF GRADING AND DRAINAGE COST MORE THAN \$10,000 A MILE.
- 2. IF DENSITY OF POPULATION AND TRAFFIC REQUIRE A SURFACE MORE THAN 18 FEET WIDE.

ALSO PROVIDES THAT NO STATE ENTITLED TO PARTIC-IPATE SHALL RECEIVE LESS THAN \$20,000 OF FOREST ROAD APPROPRIATIONS.

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- AMENDS SEC. 11 OF FEDERAL HIGHWAY ACT BY PROVID-ING THAT IN THE PUBLIC LAND STATES WHERE THE POPULATION DOES NOT EXCEED 10 PER SQUARE MILE, THE ENTIRE COST OF CONSTRUCTION MAY BE PAID WITH FEDERAL AID.
- AMENDS PARAGRAPH 4 OF SECTION 4 OF THE POST OFFICE APPROPRIATION ACT FOR 1923 WHICH AMENDS SECTION 5 OF THE POST OFFICE APPROPRIATION ACT OF FEBRUARY 28, 1919 (LIMITED PARTICIPATION TO \$20,000 PER MILE) SO AS TO PROVIDE THAT THE LIMIT OF FEDERAL PARTICIPATION SHALL BE 50 PER CENT OF COST FOR APPROPRIATIONS FOR ALL YEARS AFTER THE FISCAL YEAR 1923 WITH THE SAME PRO-VISION FOR INCREASED PARTICIPATION IN THE PUBLIC LAND STATES AS HERETOFORE.
- H.R. 51 INTRODUCED IN HOUSE DECEMBER 7, 1925, BY E. E. DENISON OF ILLINOIS.
 - GENERAL BRIDGE ACT BRIDGES OVER NAVIGABLE STREAMS SUBJECT TO APPROVAL OF SECRETARY OF WAR AND IF ON FEDERAL-AID ROADS OR CONNECTIONS BY SECRETARY OF AGRICULTURE.
 - GOVERNMENTAL UNITS MAY CONSTRUCT BRIDGES AND CHARGE TOLLS FOR 25 YEARS TO RETIRE COST. THEY THEN BECOME FREE.
 - PRIVATE TOLL BRIDGES MAY BE ERECTED. AFTER 20 YEARS THEY ARE SUBJECT TO BE TAKEN OVER BY CONDEMNATION PROCEEDINGS WITHOUT ALLOWANCE FOR GOING VALUE, ETC. ACT DOES NOT APPLY TO EXISTING BRIDGES.

H.R. 5980 - INTRODUCED IN HOUSE DECEMBER 18, 1925, BY B. B. Hare of South Carolina.

> ALL EXCISE TAXES AS PROVIDED IN H.R. 1, 69TH CONGRESS, IST SESSION, TITLE 6, SEC. 600, SUB-SECTION (1) TO BE PUT IN A FEDERAL HIGHWAY FUND, TO BE DISTRIBUTED AS CONGRESS MAY HEREAFTER PROVIDE.



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H.R. 5988 - INTRODUCED IN HOUSE DECEMBER 18, 1925, BY J. H. ROBSION OF KENTUCKY.

> Authorizes \$100,000,000 for each of the fiscal years 1927, 1928, and 1929 for Federal aid. Authorizes \$10,000,000 for each of the fiscal years 1927, 1928, and 1929 for forest roads. States lacking sufficient Federal aid to match State Money May be reimbursed from apportion-Ments for future years.

H.R. 7572 - INTRODUCED IN HOUSE DECEMBER 13, 1925, BY E. B. Almon of Alabama.

Authorizes appropriation of \$125,000,000 for Federal aid for each of the fiscal years 1927, 1928 and 1929.

AUTHORIZES APPROPRIATION FOR FOREST ROADS OF \$10,000,000 FOR EACH OF FISCAL YEARS 1927, 1928 AND 1929.

H.R. 8264 - INTRODUCED IN HOUSE JANUARY 23, 1926, BY W. W. Magee of New York from the Committee on Appropriations.

Making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1927, and for other surposes.

\$5,000,000 is appropriated for forest roads for the fiscal year 1926, of the \$7,500,000 authorized.

\$75,000,000 is appropriated for Federal-Ald ROADS. \$28,300,000 of this is a portion of the 1926 Authorization. The balance is the unappropriated REMAINDER OF THE \$75,000,000 Authorized for the fiscal year 1925.

CORRECTION OF GASOLINE TAX RATES

THE GASOLINE TAX RATE IN IDAHO WAS INCREASED FROM 2 TO 3 CENTS EFFECT:VE MARCH 1, 1925, ACCORDING TO INFORMATION RECENTLY RECEIVED. THIS IS A CORRECTION OF THE LIST PRINTED IN THE D_ECEMPER 1925, NEWS LETTER. WITH THIS CHANGE THERE ARE 19 STATES AND THE DISTRICT OF COLUMBIA THAT HAVE A 2 CENT TAX AND 12 STATES IN THE 3 CENT TAX CLASS.

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UNITED STATES DEPARTMENT OF AGRICULTURE BUREAU OF PUBLIC ROAOS

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B.P.R.=F.A.=A=1 S. JANUARY 1, 1926--A.

APPORTIONMENT OF FEDERAL AID TO STATES FISCAL YEARS 1917 - 1927

	:	:	:REARRORTIONMENT :	;	:	
	: TOTAL	APPORTIONMENT	:OF \$655,546.34 :	APRORTIONMENT :	TOTAL	
STATE	ARPORTIONMENT	: FISCAL YEAR	FROM MONTANA'S	FISCAL YEAR :	APRORTIONMENT	STATE
	: 1917-1925	: 1926	PART OF THE 1923 :	1927 :	1917- 1927 :	
	:		: ARPORTIONMENT :			
	:\$:\$:\$:	\$::	6	
ALABAMA	: 11,252,963.00	1,541,870.00	: 13,823.00 :	1.540.799.00 :	14,349,455.00	ALASAMA
ARIZONA	: 7,495,701.00	: 1,056,171.00	: 9,469.00 :	1,055,908.00 :	9,617,249.00	ARIZONA
ARKANSAS	9,062,400.00	1,264,164.00	: 11,333.00 :	1,267,907.00 ;	11,605,804.00	ARKANSAS
CALIFORNIA	17,093,306.00	2,472,636.00	22,167.00	2,484,706.00 :	22,072,815.00	CALIFORNIA
COLORADO	: 9,559,881.00	: 1,373,237.00	: 12,310.00 :	1,380,384.00 :	12,325,812.00	COLORADO
CONNECTICUT	: 3,381,195.00	474,801.00	: 4,257.00 :	473,428.00 :	4,333,681.00	CONNECTICUT
DELAWARE	: 1,739,530.00	: 365,625.00	: 3,278.00 :	365,625.00 :	2,474,058.00	OELAWARE
FLORIDA	: 6,286,887.00	: 892,878.00	: 8,004.00 :	897,185.00 :	8,084,954.00	FLORIDA
GEORGIA	: 14,449,897.00	: 1,983,089.00	: 17,778.00 :	1,981,189.00 :	18,431.953.00	GEORGIA
I DAHO	: 6,677,712.00	: 936,927.00	: 8,399.00 :	936,589.00 :	8,559,627.00	IOAHO
ILLINOIS	: 23,436,492.00	: 3,191,479.00	: 28,611.00 ;	3,175,616+00 :	29,832,198.00	LLINOIS
INDIANA	: 14,312,392.00	1,938,693.00	: 17,380.00 :	1,935,890.00 :	18,204,355.00	INDIANA
IOWA	: 15,336,137.00	: 2,070,396.00	: 18,561.00 :	2,060,469.00 :	19,485,563.00	: lowa
KANSAS	: 15,299,289.00	2,074,360.00	: 18,596.00 :	2,072,166.00 :	19,464,411.00	KANSAS
KENTUCKY	: 10,371,739.00	1,411,607.00	: 12,654.00 :	1,416,809.00 :	13,212,809.00	KENTUCKY
LOUISIANA	7,265,442.00	997,262.00	: 8,940.00 :	1,000,764.00 :	9,272,408.00	LOUISIANA
MAINE	: 5,089,972.00	685,140.00	: 6,142.00 :	683,574.00 :	6,464,828.00	MAINE
MARYLANO	: 4,648,950.00	635,783.00	: 5,700.00 ;	634,624.00 :	5,925,057.00	MARYLAND
MASSACHUSETTS	: 7,919,780.00	1,090,118.00	: 9,773.00 :	1,089,055.00 :	10,108,726.00	MASSACHUSETTS
MICHIGAN	: 15,879,772.00	2,225,227.00	: 19,948.00 :	2,217,418.00 :	20,342,365.00	MICHIGAN
MINNESOTA	: 15,318,419.00	2,124,151.00	: 19,042.00 :	2,130,168.00 :	19,591,780.00	MINNEBOTA
MISSISSIPPI	: 9,531,273.00	1,291,960.00	: 11,582.00 :	1,293,203.00 :	12,128,018.00	MISSISSIPPI
MISSOURI	: 17,940,188.00	2.417,727.00	: 21.674.00 :	2,406,847.00 :	22,786,436.00	MISSOURI
MONTANA	: •10,310,870.66	1,548,473.00	: 13,881.34 :	1,551,660.00 :	13,424,885.00	MONTANA
NEBRASKA	: 11,450,946.00	1,581,969.00	: 14.182.00 :	1,588,138.00 :	14,635,235.00	NESRASKA
NEVADA	: 6,890,321.00	948,076.00	: 8,500.00 ;	948,318.00 :	8,795,215.00	NEVADA
NEW HAMPSHIRE	: 2,434,964.00	365,625.00	: 3,278.00 :	365,625.00 :	3,169,492.00	NEW HAMPSHIRE
NEW JERSEY	6,589,247.00	935,082.00	: 8,383.00 :	934,708.00 :	8,467,420.00	NEW JERSEY
NEW MEXICO	: 8,589,332.00	: 1,185,166.00	: 10,624.00 :	1,187,264.00 :	10,972,386.00	NEW MEXICO
NEW YORK	26,708,148.00	3,657,096.00	: 32,785.00 :	3,647,166.00 :	34,045,195.00	NEW YORK
NORTH CAROLINA	: 12,294,251.00 :	1,699,168.00	: 15,233.00 :	1,708,554.00 :	15,717,206.00	NORTH CAROLINA
NORTH DAKOTA	: 8,363,656.00	1,180,699.00	: 10,584.00 :	1,193,720.00 :	10,748,659.00	NORTH DAKOTA
0110	: 20,140,164.00 ;	2,789,588.00	25,007.00	2,777,037.00 :	25,731,796.00	: OHIO
OKLAHOMA	: 12,536,703.00 :	1,755,105.00	: 15,734.00 :	1,752,245.00 :	16,059,787.00	CKLAHOWA
OREGON	: 8,506,159.00	1,179,668.00	: 10,575.00 :	1,182,945.00 :	10,879,347.00	: Oregon
PENNEYLVANIA	: 24,601,616.00	3,360,123.00	: 30,122.00 ;	3,346,920.00 :	31,338,781.00	PENNBYLVANIA
RHCDE ISLAND	: 1,933,041.00 :	365,625.00	: 3,278.00 :	365,625.00 :	2,667,569.00	RHODE ISLAND
SOUTH CAPOLINA	: 7,687,546.00	1,052,549.00	: 9,436.00 :	1,051,993.00 :	9,801,524.00	SOUTH CAROLINA
SOUTH DAKOTA	: 8,718,680.00	1,215,020.00	: 10,892.00 ;	1,222,198.00 :	11,166,790.00	SOUTH DAKOTA
TENNESSEE	: 12,024,637.00 :	1,622,985.00	: 14,550.00 :	1,618,419.00 :	15,280,591.00	TENNEBSEE
TEXAS	: 31,724,213.00	4,415,715.00	: 39,586.00 :	4,426,917.00 :	40,606,431.00	TEXAS
UTAH	: 6,116,473.00	846,467.00	: 7,588.00 :	848,251.00 :	7,818,779.00	Итан
VERMONT	: 2,533,979.00	365,625.00	: 3,278.00 :	365,625,00 :	3,268,507.00	VERMONT
VIRGINIA	: 10,592,953.00	1,449,713.00	: 12,996.00 :	1,445,852.00 :	13,501,514.00	VIRGINIA
WASHINGTON	7,886,678.00	1,118,987.00	: 10,031.00 ;	1,130,080.00 :	10,145,776.00	WASHINGTON
MEST VIRGINIA	: 5,754,132.00	797,295.00	: 7,148.00 :	793,936.00 :	7,352,511.00	WEST VIRGINIA
NIE CONE IN	: 13,678,451.00	1,873,308.00	: 16,794.00 :	1,870,262.00 :	17,438,815.00	WISCONSIN
WYCMING	: 6,687,351.00	934,947.00	: 8,382.00 :	935,594.00 :	8,566,274.00	WYOMING
HAWATI	365,625.00	365,625.00	3,278.00 :	365,625.00 :	1,100,153.00	HAWAII
TOTALS	:\$ *524,469.453.66	\$ 73.125,000.00	:\$ 655,546.34 :	\$ 73,125,000.00 :	671,375,000.00	TOTALS

. LESS \$655,546.34 FROM THE 1923 ARPORTIONMENT WHICH WAS REARPORTIONED AUGUST 29, 1925.

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UNITED STATES HIGHWAYS APPROVED BY FORTY-ONE STATES

THE DIFFICULTIES ENCOUNTERED IN NUMBERING THE ROUTES AND IN THE PROPOSED MARKING SYSTEM FOR THE UNITED STATES HIGHWAYS WERE DISCUSSED AND THRESHED OUT BY THE EXECUTIVE COMMITTEE OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS ON JANUARY 14. ADJUSTMENTS AND FINAL DECISIONS WERE REACHED IN ALL BUT TWO CASES -KANSAS AND KENTUCKY. THE LATTER WERE TAKEN UNDER ADVISEMENT. FOUR STATES - PENNSYLVANIA, NEW YORK, NEW JERSEY AND MARYLAND - DID NOT PRESENT THEIR CASES EXCEPT IN A GENERAL WAY. A FURTHER CON-FERENCE WILL BE HELD WITH THIS GROUP THE LATTER PART OF JANUARY, AT WHICH TIME ADJUSTMENTS SHOULD BE COMPLETED'. THE ADJUSTMENTS IN KANSAS AND KENTUCKY SHOULD BE CONCLUDED BY FEBRUARY FIRST. ALL THE OTHER STATES MAY BE ASSUMED TO HAVE APPROVED THE PROGRAM WITH OR WITHOUT ADJUSTMENTS WITH THE EXCEPTION OF ARIZONA FROM WHICH NO OFFICIAL WORD WAS HEARD. THIS MEANS THAT PRACTICALLY 4 STATES HAVE ACCEPTED THE PROGRAM.

THE COMPLETELY REVISED MAP SHOWING THE LOCATION OF THE NUMBERED ROUTES SHOULD BE READY FOR DISTRIBUTION BY MARCH FIRST. DETAILED DIMENSION WORKING DRAWINGS ARE BEING PREPARED FOR THE UNITED STATES HIGHWAYS SHIELDS, THE DIRECTION AND INFORMATION, AND THE DANGER AND CAUTION SIGNS. THESE DRAWINGS PROVIDE FOR STAND-ARD SYSTEMS OF LETTERING: SAMPLES OF THE PROPER COLOR OF PAINT, ESPECIALLY THE YELLOW, WILL BE DISTRIBUTED IN ONE HALF PINT TINS OR BOTTLES TO THE 48 STATES WITHIN A FEW WEEKS. THIS COLOR HAS BEEN MATCHED WITH THE EXACT COLOR DETERMINED BY THE BUREAU OF STANDARDS ON THE BASIS OF THE MEASURED DOM!NANT WAVE LENGTH OF WH!TE LIGHT REFLECTED FROM THE PIGMENT. T WILL NOT BE POSSIBLE TO MATCH SAMPLES IN GLASS BOTTLES BECAUSE THE GLASS ALWAYS LENDS A GREENISH TINGE TO THE CONTAINED PAINT. IT WILL BE NECESSARY TO POUR OUT A SMALL AMOUNT FROM THE CONTAINER AND BRUSH IT OVER A WHITE SURFACE BEFORE ANY COMPARISON IS MADE. THE COLOR ON THE SIGNS WILL FADE TO SOME EXTENT WHEN EXPOSED TO THE WEATHER. THIS CAN BE PREVENTED FROM CAUSING ANY MISUNDERSTANDING BY PROPER MAIN-TENANCE WHICH INCLUDES REPAINTING OF THE SIGNS WHEN NECESSARY.

IT IS HOPED THAT THE MAJOR PORTION OF THE ROUTE NUMBER MARKERS (UNITED STATES HIGHWAYS SHIELDS) WILL BEERECTED OVER THE ENTIRE COUNTRY BY JULY 1, 1926. THE MATERIAL TO BE USED IN THE SIGNS - WHETHER STEEL, CONCRETE OR WOOD - IS OPTIONAL WITH THE STATES. NO STANDARD MATERIAL HAS BEEN ADOPTED. IT IS HOPED THAT A PLAN MAY BE DEVISED WHEREBY ON FEDERAL-AID ROADS THE COST OF THE SIGNS MAY BE BORN BY THE BUREAU AND THE STATES COOPERATING AS ON ANY OTHER FEDERAL-AID PROJECT.

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BRICK TEST ROAD NOW UNDER TRAFFIC

AN INVESTIGATION OF THE RELATIVE MERITS OF DIFFERENT THICK-NESSES OF PAVING BRICK IS NOW BEING CONDUCTED BY THE BUREAU OF PUELIC ROADS AT ARLINGTON, VIRGINIA.

TEN TEST SECTIONS, EACH ABOUT 50 FEET IN LENGTH, HAVE BEEN -LAID AROUND A CIRCULAR TRACK AND ARE BEING SUBJECTED TO A CONCEN-TRATED MOTOR TRUCK TRAFFIC. VERTICAL-FIBER, LUGLESS PAVING BRICK OF 2, 2-1/2, 3, 3-1/2, AND 4-INCH THICKNESSES, HAVE BEEN LAID ON PLAIN SAND AND CEMENT-SAND BEDDING COURSES, 3/4-INCH IN THICKNESS, AND THE JOINTS FILLED WITH ASPHALT. UNDER THIS WEARING COURSE IS A REINFORCED CONCRETE BASE LAID ON A GRAVEL SUB-BASE.

THE TRUCK TRAFFIC IS LIMITED TO A PATH 30 INCHES IN WIDTH, IN ORDER TO ACCELERATE THE TEST. SO FAR 10,000 PASSAGES OF A 3-TON TRUCK CARRYING A CAPACITY LOAD, AND 3,000 TRIPS OF A 5-TON TRUCK WITH CAPACITY LOAD, HAVE BEEN MADE OVER THE RESTRICTED TRAFFIC ZONE. A CAREFUL STUDY OF THE BEHAVIOR OF THE VARIOUS SECTIONS IS BEING MADE.

THIS TEST WILL BE ACCOMPANIED BY A FIELD STUDY OF BRICK PAVE-MENTS WHICH HAVE BEEN DOWN FOR SOME YEARS, AND BY A COMPLETE LABOR-ATORY TEST OF THE VARIOUS DEPTHS OF BRICK BEING USED IN THIS TEST ROAD.

> CABLE GUARD RAIL BRACKETS SUGGESTED SUBMITTED BY THE DIVISION OF CONSTRUCTION

THE GROWING EXPERIENCE AND SPECIAL TESTS CONDUCTED BY THE PENNSYLVANIA HIGHWAY DEPARTMENT AND OTHER AGENCIES SEEM TO INDICATE THAT THE CABLE GUARD RAIL CONSISTING OF TWO STRANDS OF 3/4 or 7/8-INCH CABLE IS THE ONLY FORM OF FENCE WHICH IS CAPABLE OF PREVENTING VEHICLES FROM LEAVING THE ROAD. THE OLD-STYLE WOODEN GUARD RAIL IS BELIEVED BY SOME TO BE POSITIVELY DANGEROUS. IN A NUMBER OF INSTANCES THE RAILS HAVE PASSED THROUGH THE RADIATOR OR WINDSHIELD OF THE CAR, KILLING OR INJURING THE OCCUPANTS.

Wooden posts are believed to be more effective and better than concrete posts for the cable type of fence, but with either type of post the method of attaching the cable to the post is a detail that has not always been satisfactorily worked out. In the earlier designs the cable was commonly passed through holes bored in the posts. Lately some of the States have been using a special bracket.

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DISTRICT ENGINEER PURCELL FURNISHES TWO DESIGNS OF BRACKET, THE FOLLOWING DRAWINGS OF WHICH WILL DOUBTLESS INTEREST ENGINEERS OF THE BUREAU. ONE OF THE DESIGNS SUGGESTS AN EYE-BOLT, THE OTHER A HOOK-BOLT. MR. PURCELL IS OF THE OPINION THAT THE EYE-BOLT DESIGN IS MUCH NEATER BUT REMARKS THAT THE BOLT MUST, OF COURSE, BE THREADED TO THE CABLE AFTER THE MANNER OF A NEEDLE AND THREAD. THE HOOK-BOLT DESIGN IS NOT SUBJECT TO THIS CRITICISM.

STANDARD FOREST ROAD BRIDGE PLANS

REPORTED BY THE BRIDGE SECTION OF THE DIVISION OF DESIGN

THE STANDARD PLANS FOR 80, 100, 120, 150 AND 200-FOOT STEEL BRIDGES, NOW BEING PREPARED IN THE WASHINGTON OFFICE FOR FOREST ROADS, WILL BE COMPLETED BY FEBRUARY 1, 1925. THESE PLANS COVER ALL THE WORK ON THE MAJOR STRUCTURES PROPOSED FOR THIS YEAR. IT IS PLANNED TO EXTEND THE STANDARDS YEAR BY YEAR AS THE FOREST ROAD PRO-GRAM MAKES NECESSARY OTHER SPAN LENGTHS AND TYPES OF MATERIAL, SUCH AS CONCRETE AND WOOD.

COOK COUNTY HIGHWAY SYSTEM REPORT TO BE READY SOON

THE REPORT OF THE STUDY OF THE COOK COUNTY, ILLINOIS, HIGHWAY SYSTEM MADE BY THE UNITED STATES BUREAU OF PUBLIC ROADS AND THE COOK COUNTY HIGHWAY DEPARTMENT IS NOW IN THE HANDS OF THE PRINTER AND WILL BE READY FOR DISTRIBUTION BY THE MIDDLE OF FEBRUARY.

THE REPORT CONTAINS THE RESULTS OF HIGHWAY TRAFFIC STUDIES CONDUCTED DURING THE SUMMER AND FALL OF 1924 UNDER THE COOPERATIVE RESEARCH AGREEMENT BETWEEN THE FEDERAL BUREAU AND THE COOK COUNTY DEPARTMENT.

THESE INVESTIGATIONS WERE UNDERTAKEN IN ORDER TO OBTAIN ESSENTIAL FACTS CONCERNING TRAFFIC ON THE COOK COUNTY HIGHWAYS AS A BASIS FOR PLANNING THE DEVELOPMENT OF THE HIGHWAY SYSTEM IN THE CHICAGO REGIONAL AREA TO SERVE PRESENT AND FUTURE TRAFFIC.

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AN ELABORATE MAINTENANCE UTILITY TRUCK

REPORT BY JOHN D. SLYE, ASSISTANT HIGHWAY ENGINEER, THROUGH J. W. JOHNSON, DISTRICT ENGINEER.

DISTRICT NO. 7 OF THE COLORADO STATE HIGHWAY DEPARTMENT HAS EQUIPPED A TRUCK WITH CARRYING COMPARTMENTS FOR MATERIALS, TOOLS AND APPLIANCES WHICH APPEAR TO MAKE IT THE LAST WORD IN USEFULNESS AND WORTHY OF DESCRIPTION.

THE FOUNDATION OF THE UNIT IS A FAGEOL, 5-TON, HEAVY-DUTY TRUCK EQUIPPED WITH A 7-SPEED, COMPOUND TRANSMISSION, 5 SPEEDS AHEAD AND 2 REVERSE. THE MOTOR HAS 4 CYLINDERS AND A RATING OF 32.4 HORSE-POWER. THIS MOTOR SUPPLIES THE POWER FOR ALL THE EQUIPMENT, THE AUXILIARY POWER SHAFTS BEING OPERATED AT DIFFERENT SPEEDS THROUGH THE COMPOUND TRANSMISSION SPEEDS.

EQUIPMENT CARRIED AND POWER FURNISHED BY THE UNIT.

- 1. AIR COMPRESSOR WITH AIR TANK AND HOSE CONNECTIONS.
- COMBINATION MATERIAL BINS, WITH A CAPACITY OF I CUBIC YARD OF SAND, 2 CUBIC YARDS OF GRAVEL AND 1,000 POUNDS OF CEMENT.
- 3. WATER TANK WITH A CAPACITY OF 150 GALLONS.
- 4. ROTARY CONCRETE MIXER.
- 5. CENTR'FUGAL PUMP FOR FILLING TANK FROM STREAMS OR WELLS.
- 6. POWER-DRIVEN NIGGER-HEAD WINCH
- 7. TAR AND SUAD-OIL HEATING TANK WITH GAS BURNERS; CAPACITY 150 GALLONS WITH SYPHON NOZZLE FOR SPRAYING HOT TAR OR OIL UNDER PRESSURE.
- 8. COMPLETE PAINT SPRAY OUTFIT.
- 9. LARGE JACK HAMMER WITH ASSORTED CHISELS, TAMPERS, ETC.
- 10. PNEUMATIC ROTARY POST-HOLE DIGGER.
- II. EXTENSION SIDE ARM OR BOOM ON FROMT OF TRUCK FOR GRADING OR SMOOTHING SHOULDERS.
- 12. SMALL EQUIPMENT CONSISTING OF PLOW, DRAG, WHEELBARROW, RCPE, AND HAND TOOLS.

WITH THIS UNIT THE MILEAGE OF HIGHWAY THAT CAN BE PATROLLED BY ONE CREW IS GREATLY INCREASED, AND ANY REASONABLE JOB OF REPAIR OR MAINTENANCE WORK MAY BE COMPLETED IN A SHORT TIME. DOING MUCH OF THE WORK BY POWER-DRIVEN MACHINERY AND HAVING THE REQUIRED MATERIAL AT HAND ENABLES A MUCH SMALLER CREW TO KEEP UP THE NECESSARY MAINTE-NANCE WORK THAN IS USUALLY REQUIRED.



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FOLLOWING ARE A FEW OF THE CLASSES OF WORK THAT CAN BE PER-

- I. REPAIRING OF CRACKS OR BREAKS IN PAVEMENT.
- 2. ERECTING FENCES AND TRAFFIC SIGNS.
- 3. REPAIRING AND PAINTING STEEL OR WOODEN BRIDGES.
- 4. GRADING OR SHOULDERING, ROLLING AND DRAINING RIGHT OF WAY.

PHOTOGRAPHIC VIEWS OF THE MAINTENANCE TRUCK FOLLOW ON THE NEXT PAGE.

> SATURDAY AFTERNOON MEETINGS TO BE HELD IN THE HEADQUARTERS OFFICE

A SERIES OF SATURDAY AFTERNOON MEETINGS WILL BE HELD IN THE WASHINGTON OFFICE AT WHICH TALKS WILL BE MADE BY MEMBERS OF THE STAFF. THESE MEETINGS HAVE BEEN ARRANGED TO PROVIDE THE ENGINEERING, SCIEN-TIFIC AND TECHNICAL WORKERS OF THE BUREAU WITH A MORE COMPREHENSIVE UNDERSTANDING OF OUR ACTIVITIES. THE FIRST MEETING WAS CALLED TOGETHER ON JANUARY 23, AT WHICH TIME, MR. BISHOP, CHIEF OF THE DIVISION OF CONSTRUCTION, DISCUSSED "METHODS OF EVALUATING CONCRETE -PAVEMENT_FROM CORE DRILL DATA."

TALKS WHICH HAVE BEEN ARRANGED FOR THE NEAR FUTURE INCLUDE: "UNITED STATES HIGHWAYS" BY MR. JAMES ON JANUARY 30; "NATIONAL PARK ROADS" BY DR. HEWES ON FEBRUARY 6; AND "CONCRETE PAVEMENT DESIGN" BY MR. TELLER ON FEBRUARY 20.

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A MAINTENANCE TRUCK USED BY THE COLORADD STATE H DHA DUPARTMENT CARRIES MATERIAL EINS AND A CONGRETE M ER



THIS TRUCK IS EQUIPPED WITH AN AIR COMPRESSOR. THE BODY WILL HOLD A PLOW AND SMALL SCRAPER. THERE IS A TOOL BOX UNDER THE MATERIAL BINS



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NEW BUREAU EXHIBIT MATERIAL

ELEVEN FLEXIBLE EXHIBIT BOOTHS HAVE BEEN COMPLETED RECENTLY BY THE BUREAU. THESE WERE DISPLAYED FOR THE FIRST TIME AT THE AMERICAN ROAD BUILDERS'S ASSOCIATION CONVENTION HELD IN THE COLISEUM IN CHICAGO FROM JANUARY 11 TO 15, 1926.

THE SUBJECT MATTER IS PRESENTED IN AN ATTRACTIVE PICTORIAL FORM AS WELL AS BY LETTERING, STATISTICS AND GRAPHIC CHARTS. THE SUBJECTS TREATED ARE OF THREE GENERAL CLASSES: THOSE OF INTEREST TO (1) THE GENERAL PUBLIC; (2) A TECHNICAL AUDIENCE; AND (3) BOTH THE GENERAL PUBLIC AND A TECHNICAL AUDIENCE.

A SINGLE BOOTH CONSISTS OF THREE PANELS, EACH 5 FEET 6 INCHES LONG BY 4 FEET 10 INCHES HIGH AND MOUNTED ON FOLDING IRON PIPE LEGS SO THAT THE TOP OF THE PANELS IS 7 FEET 3 INCHES ABOVE THE FLOOR. THE PANEL FRAMES AT THE GREATEST DIMENSION ARE 1-3/8 INCHES THICK. BURLAP CURTAINS SKIRT THE BASE OF THE PANELS AND A REMOV-ABLE WOODEN TITLE BAR IS FIXED IN DOWEL HOLES IN THE TOP OF THE CENTER PANEL.

THE EDOTHS ARE PACKED IN COMPLETE UNITS IN A WOODEN CRATE WITH A SHIPPING WEIGHT OF 296 POUNDS. THE CRATES ARE 5 FEET BY 6 FEET 6 INCHES BY 7 INCHES DEEP, OUTSIDE DIMENSIONS.

THE FLEXIBLE NATURE OF THE BOOTHS MAKES THEM ADAPTABLE TO ALMOST ANY SHAPE OF SPACE. THEY MAY BE DISPLAYED IN A STRAIGHT LINE AS A WALL CHART; IN A TRIANGULAR FORM AROUND THE SUPPORTING COLUMN OF A BUILDING; AND IN A TRAPEZOIDAL OR HOLLOW SQUARE SHAPE AS AN ORDINARY BOOTH.

THE BOOTHS ARE AVAILABLE FOR DISPLAY BEFORE ROAD CONVENTIONS, AGRICULTURAL AND AUTOMOBILE SHOWS, COLLEGES, ETC. APPLICATIONS FOR LOAN SHOULD BE MADE TO THE OFFICE OF EXHIBITS, U. S. DEPARTMENT OF AGRICULTURE, BY ALL OUTSIDE THE BUREAU. DISTRICT ENGINEERS OF THE BUREAU SHOULD TRANSMIT REQUESTS DIRECT. TO OUR WASHINGTON HEADQUART-ERS OFFICE.

PHOTOGRAPHS OF SIX OF THE ELEVEN FLEXIBLE BOOTHS SHOWN AT CHICAGO APPEAR IN THIS NUMBER OF THE NEWS LETTER. THE OTHER FIVE WILL BE INCLUDED IN A SUBSEQUENT ISSUE.

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- F. A A - I 31, 125-A	STATES				AL ABAMA ARIZONA ARKANSAS	CALIFORNIA COLORADO CONNECTICUT	DELAWARE FLORIDA GEORGIA	IOAHO ILLINOIS INDIANA	IDWA KANSAS KENTUCIY	LDUISIANA MAINE MARYLAND	MASSACHUSETTS MICHIGAN MINNESOTA	MISSISSIPPI MISSOURI MONTANA	NEBRASKA NEVADA NEW HAMPSHIRE	NEW JERSEY NEW MEXICO NEW YORK	NDRTH CAROLINA NORTH DAKDTA OHIO	OKLAHOMA OREGON PENNSYLVANIA	RHODE ISLANO SOUTH CARDUNA SOUTH DANGTA	TENNIESSEE TEXAS UTAH	VERMORT VIRGINIA MASHINGTON	WEST VINCHING. WISCONSIN WYTOMUNG	HAWAII	TOTALS
UNITED STATES GEARTMENT OF AGBICULTURE BUREAU OF PUBLIC ROADS STATUS OF FEDERAL AID ROAD CONSTRUCTION FUNDS AS OFDECEMBER 31, 19PE AS OFDECEMBER 31, 19PE		TS COLUMN 2)	SE BY EER	MILES	28.2 115.9	54.3 69.5 7.4	10.6 57.5 130.0	43.0 12.5 14.2	35.5 229.0 28.8	16.2	2.3 27.0 43.2	105+7 44+0 33+1	41.6 1.F 2.1	3.5 21.0 47.3	35.1 156.0 56.6	35.3 13.1 25.9	13.2 90.1 14.2	44.1 161.5 25.1	0.2 20.7 2.1	17.4 75.0		2032-3
			P.S.&E. STAC RECOMMENDED DISTRICT ENGIN	FEDERAL AID	 455, 705, 51 615, 953, 89 	758, 348, 49 440, 860,00 122, 802, 15	9,000.00 907,845.63 925,528.59	726,745.26 183,108.77 252,523.08	247,368.85 1,031,951,63 330,236.31	116,577,15 11,522,51	69,046.07 354,903.04 PE8,500.00	747,358,72 546,334,23 57,313,09	276,921.35 38,403.79 25,190.74	30,000,00 233,565,80 718,200,00	883, 238-50 683, 571-61 817, 340-08	428,528.86 56,527.58 405,230.93	137,730.00 679,543.80 58,912.44	499,186.41 2,239,226.84 250,351.53	63,145.13 203,737.99 561,000.00	154,958.75 636,824.49 58,259.00		\$ 13,440,437.08
		PROJEC	TAGE	MILES	431.0 119.4 350.3	317.0 192.1 25.4	22.7 251.8 555.5	180.0 272.4 435.3	575.4 428.3 290.1	130.5 74.6 125.3	83.4 285.7 493.8	330.1 701.7 270.0	1,073.7 336.5 25.3	58.5 128.6 729.1	201.4 431.0 333.0	301.3 139.9 551.4	31.2 331.2 881.4	313.8 1,303.6 247.3	46.1 220.3 42.2	195.9 221.1 214.4	5•5	1 5779 - 2
	9	OTMENTS TO	AGREEMENT S	FEDERAL AID	4,202,447.99 942,927.82 2,755,122.17	5,435,514.61 2,039,359.22 530,235.48	388,784.75 4,370,709.50 4,878,035.68	1,624,181.72 3,886,832.82 8,462,065.53	3, 781, 704, 63 4, 031, 774, 14 3, 254, 883, 83	1,608,297.38 908,248.73 1,229,741.15	1,628,705.60 5,054,530.93 2,157,800.00	3,867,349.28 9,557,235.32 1,224,405.39	5, 291, 155.90 3,644,092,53 382,195,36	3,135,520.72 902,836.56 11,416,514.05	3,304,843.03 1,930,906.35 4,174,742.65	3,136,168.72 1,593,174.59 9,692,637.55	513,408.63 2,695,265.95 2,889,595.37	4, 273,030.00 9, 251,505.49 P,137,700.03	860,588.41 2,875,004.54 652,400.00	2,921,730.73 2,313,708.93 1,850,582.01	97 , 440.00	\$ 160,462,217.14
		ALL ALL	0	MILES	1.010.1 \$ 594.2 1.175.9	942•2 688•9 115•0	119.4 95.3 1,635.3	524.7 1.268.3 463.3	2,033.4 1,037.5 653.3	992.6 291.2 310.1	321.0 864.4 3,118.2	9.33.4 9.92.3	1,590.9 45?.9 228.3	248.5 1.383.0 1.000.3	1.186.3 2.074.9 1.276.4	939.4 969.9 931.2	70.8 1.294.5	604.0 4,363.9 429.0	111.3 888.9 547.2	339.5 1,497.4 1,073.2		46376.6
			COMPLETEC AND PAID	FEDERAL AID	\$ 5,132,389.71 5,589,578.80 6,698,976.17	11,630,552,24 5,560,222,13 2,069,580,80	1,708,735.60 1,405,487.97 10,697,300.71	4,937,230,74 19,087,947,67 7,106,938,52	11,427,868.06 11,266,854.02 7,131,339.63	5,631,182.90 4,031,472.38 4,040,485.11	5, 738, 772, 39 10, 329, 646, 40 1 5, 023, 616, 56	5,814,351.32 10,082,630.35 5,813,420.25	5, 126, 313, 75 4, 063, 120, 14 2, 250, 757, 07	4,316,118.45 7,085,610.37 14,972,156.59	9,807,986.33 5,522,028.84 15,235,887.10	10,500,330.81 7,909,700.99 17,641,753.42	1, 274, 676.72 5, 633, 828.79 6, 935, 608.32	8,133,717.80 24,125,957.83 3,918,717.26	1,552,376.48 8,940,235.53 7,405,373.78	3,353,307.22 9,338,646.63 5,632,430.48		371,701,144.42
		BALANCE OF APPORTIONMENTS	NDT YET PLACEO UNOER CONSTRUCTION	(COLUMN 1-3)	3,973,848.03 3,198,893.38 1,872,590.66	4, 541, 624, 87 3, 139, 582, 99 1, 673, 840, 62	376,537.55 1,702,467.74 2,450,089.23	1,619,313.73 5,674,248.74 2,662,014.39	4,633,335.36 3,730,528.34 2,662,658.30	2,034,415.93 1,507,868.20 654,830.74	2,778,200.94 4,812,148.20 2,211,753,44	2,207,388.93 P.548,652.39 6,292,064.64	4, 206, 643, 55 1, 048, 593, 43 515, 337, 39	985,580 .83 2,737,131.07 9,158,414. 3 6	2,312,391.56 2,931,335.46 5,154,635.70	2,121,815,45 1,324,343.74 4,082,972,11	738,888.65 1,437,871.34 1,982,572.87	2,627,865.73 7,122,979.75 1,630,780.78	831,393.03 1,857,370.74 1,788,002.22	1,211,369.79 5,240,575.95 1,043,159.51	1,002,713.00	135,126,747-61
	ß		NDT ALLOTTED TO PROJECTS	(COLUMN 1-2)	\$ 3,547,911.69 3,084,742.58 1,534,751.77	4,248,299.76 3,285,370.65 1,611,062.57	357,537,55 1,400,910.74 1,931,087.02	1,271,409.28 6,674,248.74 2,387,667.87	4,022,531.46 3,073,831.15 2,486,349.23	1,856,350.57 1,513,478.38 654,830.74	2,673,200.34 4,603,378.63 2,111,863.44	1,638,458.08 2,500,235.10 5,714,743.27	3,941,841.00 1,049,593.49 511,347.83	985,680,83 2,750,373.17 6,938,224.36	1,715,137.39 2,506,152.20 4,502,826.16	1,894,068.51 1,319,943.74 3,699,149.10	675,753,65 832,885,46 1,282,672,87	2,374,596.79 4,979,540.84 1,602,010.18	801,796.98 1,481,535.84 1,527,002.22	912,454.24 5,143,634.95 1,024,811.51	1,002,713.00	\$ 118,771,201-42
	4	PAID TO STATES		9,245,815,55 6,090,570.69 8,546,754.73	14,528,437.33 7,776,322.13 2,P83,683.42	1,847,333.78 4,535,991.82 14,156,253.99	6,195,905.35 21,836,104.55 12,976,742.55	13,506,611.42 14,055,921.90 9,339,575,16	6,704,068.59 4,232,215.10 4,441,752.35	6,157,743.54 14,213-011.35 16,551,950.74	8,617,446.28 15,235,110.35 6,644,350.30	8,116,843.65 7,115,805,96 2,349,450,05	6,149,439,85 7,470,931,73 19,753,788.33	12,329,753,32 5,439,467.53 18,544,282,22	12,673,308,08 8,740,521.92 24,608,130,20	1,371,283,50 7,535,829.04 8,814,838.01	11,329,210,66 29,497,001,07 5,489,835,33	2,009,108.78 10,507,774.96 7,714,897.82	5,064,002,08 10,383,329,06 6,955,232,61	39,293.62	\$ 470,970,152.45	
		IDER FION MILES		MILES	1,441.1 785.9 1,602.7	1,306.9 926.9 144.1	142.1 385.6 2,334.3	830.7 1.553.2 955.2	2,504.9 1,529.3 955.4	1.136.6 357.4 435.4	401.4 1.165.2 3.640.5	1.365.6 2.008.8 1.135.8	2,761.3 860.2 255.2	313.5 1.527.2 1.528.2	1, 383.4 2,615.0 1,621.4	1,257.5 1,014.1 1,592.8	111.0 1.639.7 2.600.2	930.6 5,586.4 685.5	157.5 1.087.0 690.3	525.1 1.778.2 1.293.6	5.5	62993.4
	e	PLACED UN	PLACED UN CONSTRUCI		10,369,506.97 6,424,355.65 9,733,213.34	17, 531, 190, 13 8, 785, 229, 01 2, 659, 840, 48	2,097,520.35 5,382,496,26 15,981,853.77	5,940,313.27 23,157,949.26 15,552,340.61	14,852,227.64 15,673,882.66 10,550,150.70	7,237,932.07 4,256,959.20 5,270,226.26	7,330,526.05 15,530,216.80 17,380,015.56	9,920,629.07 20,137,583.01 7,132,820.36	10,428,591.45 7,745,621.51 2,553,154.61	7,481,739.17 8,175,254.93 24,876,790.64	13,404,814.44 7,817,323.54 20,567,159.30	13,937,971.54 9,554,403.25 27,255,808.83	1,928,680.35 8,353,652,66 9,884,117.13	12,658,725-27 33,603,451-25 6,127,998-22	2,437,113.97 11,644,143.26 8,357,773.78	5, 141, 141, 22 12, 198, 139, 05 7, 523, 114, 49	97,440.00	\$ 536,248,252.39
	Π	D TS	5)	MILES	1,459.3 813.6 1,655.1	1.323.5 960.5 147.8	152.6 405.7 2,420.8	847.7 1.553.2 972.8	2,544.4 1,694.8 972.2	1,139.4 365.8 435.4	406.7 1.177.1 3.555.2	1,429.2 2,038.0 1,285.9	2,811.2 850.9 265.7	310-5 1,532-5 1,777-3	1,424.4 2,721.8 1,675.0	1,277.5 1,022.9 1,618.5	115.2 1.715.8 2.530.2	951.9 5,841.0 721.4	157.6 1,129.3 691.5	563.8 1,793.5 1,293.6	6.5	64788.1
	2	ALLOTTE	(SEE COLUMI FOR DETAIL	FEDERAL AID	\$ 10,801,543.31 5,632,606.32 10,071,052.23	17,824,515.24 9,040,441.35 2,722,618.43	2,106,520.35 5,684,043.26 16,500,865.88	7,288,217.72 23,157,949.25 15,821,687.13	15,456,931.54 16,330,573.85 10,726,453.77	7,416,057.43 4,951,349.62 5,270,225.26	7,435,525.05 15,738,986.37 17,479,916.56	10,429,559.32 20,186,200.90 7,710,138.73	10,632,394.00 7,745,621.51 2,658,144.17	7,481,733.17 8,222,012.83 27,106,970.54	14,002,068.01 8,242,506.80 21,228,363.34	14,156,718.39 9,559,403.26 27,633,631.90	1,991,815.35 8,908,638.54 9,884,117.13	12, 305, 934, 21 35, 525, 730, 16 6, 316, 768, 82	2,465,710.02 12,013,978-16 8,619,773.78	6,440,056.76 12,295,180.05 7,541,462.49	97,440.00	\$ 561,603,798.58
	-	APPORTIONMENT FROM JULY ILIDIG TO DATE			\$ 14,349,455.00 9,617,249.00 11,505,804.00	22,072,815,00 12,325,812,00 4,333,681,00	2,474,058.00 2,084,954.00 18,431,953.00	8,559,527,00 29,832,198,00 18,204,355,00	13,485,553.00 19,464,411.00 13,212,803.00	3,272,408.00 5,464,628.00 5,326,057.00	10,108,725.00 20,342,365.00 19,591,780.00	12,128,018,00 22,786,435,00 13,424,885,00	14,635,235.00 8,735,215.00 3,169,492.00	8,457,420.00 10,372,386.00 34,045,136.00	15,717,206.00 10,748,553.00 25,731,736.00	15,059,767,00 10,879,347.00 31,338,751.00	2,567,569.00 9,801,524.00 11,166,730.00	15,280,531.00 40,506,431.00 7,618,773.00	3, 268, 507.00 13, 501, 514.00 10, 145, 776.00	7,352,511.00 17,438,815.00 8,555,274.00	1,100,153.00	\$ 671,375,000.00
	STATES				ALABAMA ARIZONA ARKAWSAS	CALIFORMIA COLORADO CONNECTIGUT	DELAWARE FLORIDA GEORGIA	IOAHO ILLINDIS INDIANA	IOWA KANSAS KENTUCKY	LOUISIANA MAINE MARYLAND	MASSACHUSETTS MICHIGAN MIMMESOTA	MISSISSIPPI MISSOURI MONTANA	NEBRASKA NEVADA NEW HAMPSHIRE	NEW JERSEY NEW MEXICO NEW YORK	MORTH CAROLINA NORTH DAKOTA OHIO	OKLAHOMA OREGON PENNSYLVANIA	RHODE ISLAND SOUTH CAROLINA SOUTH DAKOTA	TENNESSEE TEXAS UTAN	VERMONT VIRGINIA WASHINGTON	WEST VIRGINIA WISCONSIN WYOMING	HAWAI	TOTALS

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