

OFFICE MEMORANDUM



MICHIGAN
STATE HIGHWAY DEPARTMENT

October 12, 1965

To: H. H. Cooper, Director
Traffic Division

From: E. A. Finney

Subject: Pavement Characteristics at Scales--1965 Truck Weight Study.
Research Project 65 F-86. Research Report No. R-554.

Enclosed in Table 1 is the information regarding the 1965 Truck Weight Study as requested in your letter of August 16, 1965 to W. W. McLaughlin. Data are provided for three different roads at Powers since the direction of traffic involved in the Weight Study is unknown. The current AASHO Road Test equations for determining Present Serviceability Indices (PSI) of rigid and flexible pavements were used.

Abbreviations used in Table 1 are those listed on pages TCS 52 and 53 of Bureau of Public Roads Instructional Memorandum 50-1-65 of April 19, 1965.

OFFICE OF TESTING AND RESEARCH

E. A. Finney, Director
Research Laboratory Division

EAF:FC:nw

Enclosure

cc: W. W. McLaughlin

TABLE I
SUMMARY OF PAVEMENT CHARACTERISTICS
1965 TRUCK WEIGHT STUDY

Location	Roadway	Pavement		Number of Lanes	Lane Width, ft	Present Serviceability Index (S)	Pavement Thickness, in.	Shoulders		Median	
		Type	BPR Abbr.					Type*	BPR Abbr.	Width, ft*	Type
US 12 New Buffalo	EB	rigid, bit. resurf.	G-3	2	12	3.0	-	curb and gutter	C	2	None
	WB	rigid, bit. resurf.	G-3	2	10	3.5	-	bit. sealed	F	9	
I 96 Portland	EB	rigid	J	2	12	3.9	9	bit. conc.	I	9-TL 3-PL	Grass G
	WB	rigid, conc. reinf.	J	2	12	3.3	8	bit. conc.	I	9-TL 3-PL	Grass G
I 94 Grass Lake	EB	rigid	J	2	12	3.6	9	bit. conc.	I	10-TL 3-PL	Grass G
	WB	rigid, bit. resurf.	G-3	2	12	3.2	-	bit. conc.	I	10-TL 3-PL	Grass G
I 75 Erie	NB	rigid	J	2	12	3.3	10	tar & chip-TL gravel-PL	F S	9-TL 3-PL	Grass G
	SB	rigid	J	2	12	3.3	10	tar & chip-TL gravel-PL	F S	9-TL 3-PL	Grass G
US 24 Erie	NB	rigid, bit. resurf.	G-3	3	11	2.7	-	gravel	S	10	Grass G
	SB	rigid, bit. resurf.	G-3	2	11	2.7	-	gravel-TL part gravel-PL	S S-PL	10-TL 10-PL	Grass G
I 94 New Baltimore	NB	rigid	J	2	12	4.4	9	bit. conc.	I	9-TL 3-PL	Grass G
	SB	rigid	J	2	12	4.4	9	bit. conc.	I	9-TL 3-PL	Grass G
US 10 Drayton Plains	NB	rigid, bit. resurf.	G-3	2	11	2.2	-	Gravel	S	9	None
	SB	rigid, bit. resurf.	G-3	2	11	2.1	-	Gravel	S	9	None
I 75 Birch Run	NB	rigid	J	2	12	4.1	9	bit. conc.	I	9-TL 3-PL	Grass G
	SB	rigid	J	2	12	3.6	9	bit. conc.	I	9-TL 3-PL	Grass G
I 96 Fowlerville	EB	rigid	J	2	12	4.1	9	bit. conc.	I	9-TL 3-PL	Grass G
	WB	rigid	J	2	12	4.0	9	bit. conc.	I	9-TL 3-PL	Grass G
US 41 Powers	SB	rigid, bit. resurf.	G-3	2	11	2.1	-	curb and gutter	C		None
US 2 Powers	WB	rigid, bit. resurf.	G-3	1	12	4.0	-	Gravel	S	9	None
US 2 - US 41 Powers	EB	rigid, bit. resurf.	G-3	1	12	3.3	-	gravel	S	9	None

* TL - traffic lane side of pavement, PL - passing lane side of pavement.