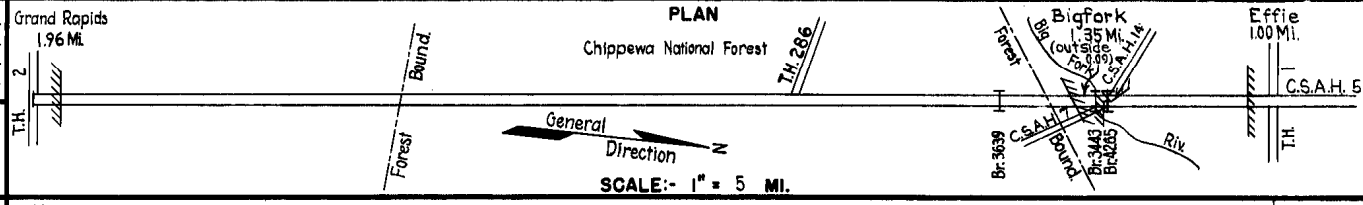


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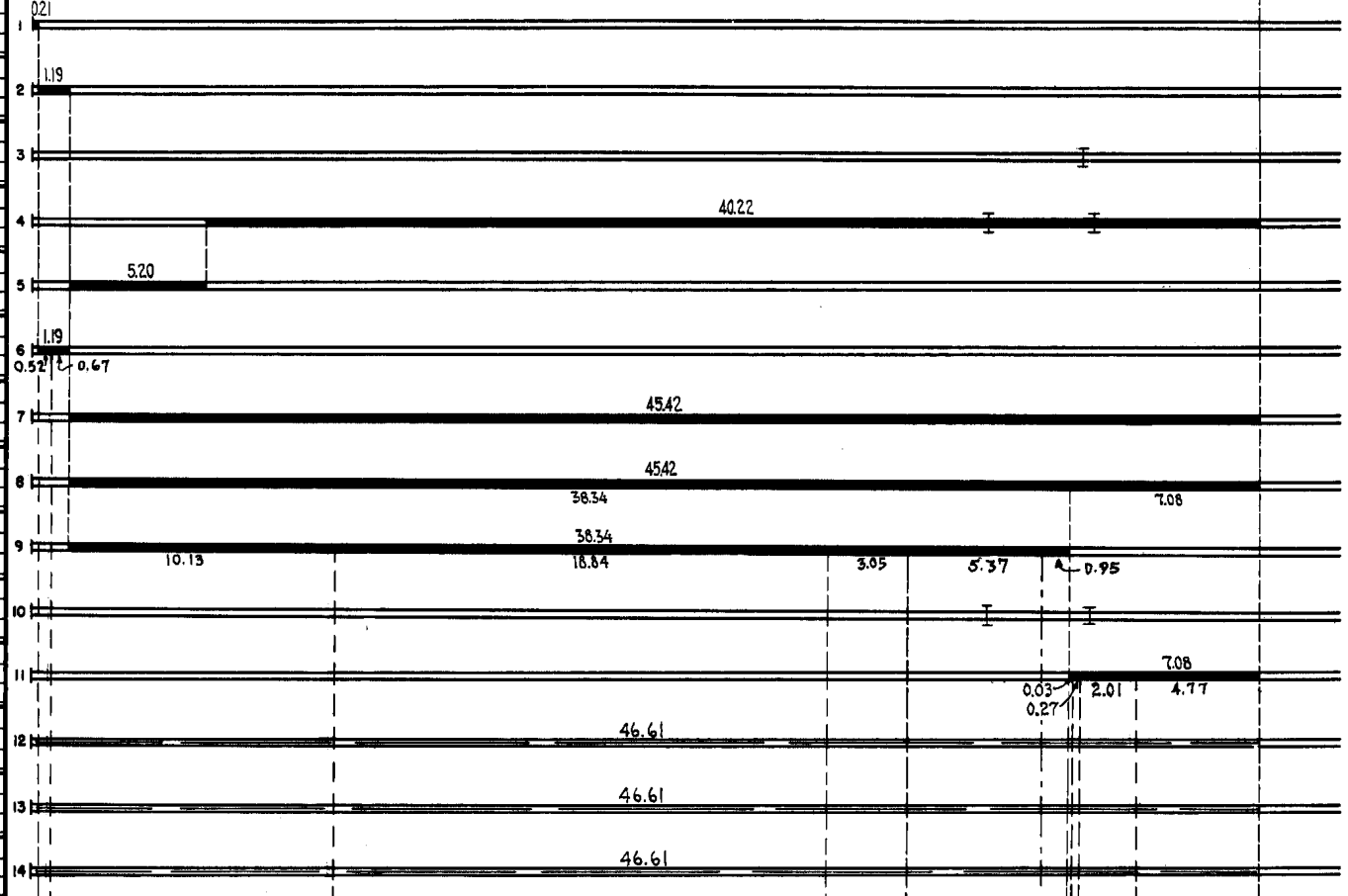
STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
ROAD LIFE STUDIES
CONSTRUCTION PROJECT LOG RECORD

CONTROL SECTION 3108
TRUNK HIGHWAY 38
COUNTY Itasca
DISTRICT 18

LIMITS: Jct. T.H.2 in Grand Rapids - Jct. T.H.1 in Effie



YEAR BUILT	PROJECT N°	DESCRIPTION			CODE N°
		TYPE	WIDTH	THICKNESS	
		Concrete	40'	7"	No Record of Constr.
					Added in 1934.
		Gravel	26'	2"	No Record of Constr.
					Added in 1934.
1920	Br. 3443		19'		150' L.T. Added in 1934.
					Co. Job 2902.
1929	Gravel	24'	2"		Added in 1934.
	Br. 3639 & 4265	18'			14' W.S. & 28' W.P.T.
1933	Gravel	24'	2"		800 C.Y./Mile. Added in 1934.
1935	Oil Tr. Gravel	20'22"	1 1/2"		19041 Gal./Mile. Maint. Dept.
1935	Gravel	22'	3/4"		Maint. Dept.
1936	Oil Tr. Gravel	20'22"	3/4"		8000 Gal./Mile. Maint. Dept.
1937	Oil Tr. Gravel	20'22"	1 1/2"		5000 Gal./Mile. Maint. Dept.
1937	Br. 4265 Br. 3639	27' 27'			Reconstruction 30' W.P.T. 14' W.S.
1938	1937 A.F.E. 28	Stab. Gravel Base	24'	6"	
	1938 A.F.E. 19	Mixed Bit. Surface	24'	1"	Maint. Dept.
M		Spot Treat.			SG3, 2562 Gal./Mi.
1940	A.F.E. 14	Bit. Surf. Repair			Sand, 24 C.Y./Mi. Maint. Dept.
M		Spot Treat.			SG3 & RC3, 2775 G./Mi.
1941	A.F.E. 18	Bit. Surf. Repair & Fog Seal	20'		Sand, 15 C.Y./Mi. Maint. Dept.
M		Spot Treat.			SG3 & RC3, 2057 G./Mi.
1942	A.F.E. 4	Bit. Surf. Repair			Grav. 38 C.Y./Mi. Maint. Dept.



YEARS		TOTAL MILES	UNINCORPORATED		INCORPORATED		RURAL		URBAN	
FROM	TO		RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.
1934	1962	46.82	43.38	0.00	3.40	0.04	45.81	0.04	0.97	0.00
1963	1964	46.82	43.41	0.00	3.37	0.04	45.81	0.04	0.97	0.00
1965	1970	46.82	43.50	0.00	3.28	0.04	45.81	0.04	0.97	0.00
1971		46.82	42.51	0.00	4.27	0.04	44.82	0.04	1.96	0.00

REMARKS: Layout is to scale as of 1934.
(U) Accumulated thickness.

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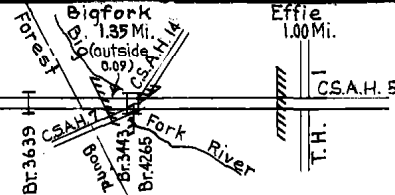
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CONTROL SECTION 3108
TRUNK HIGHWAY 38
COUNTY Itasca
DISTRICT 18

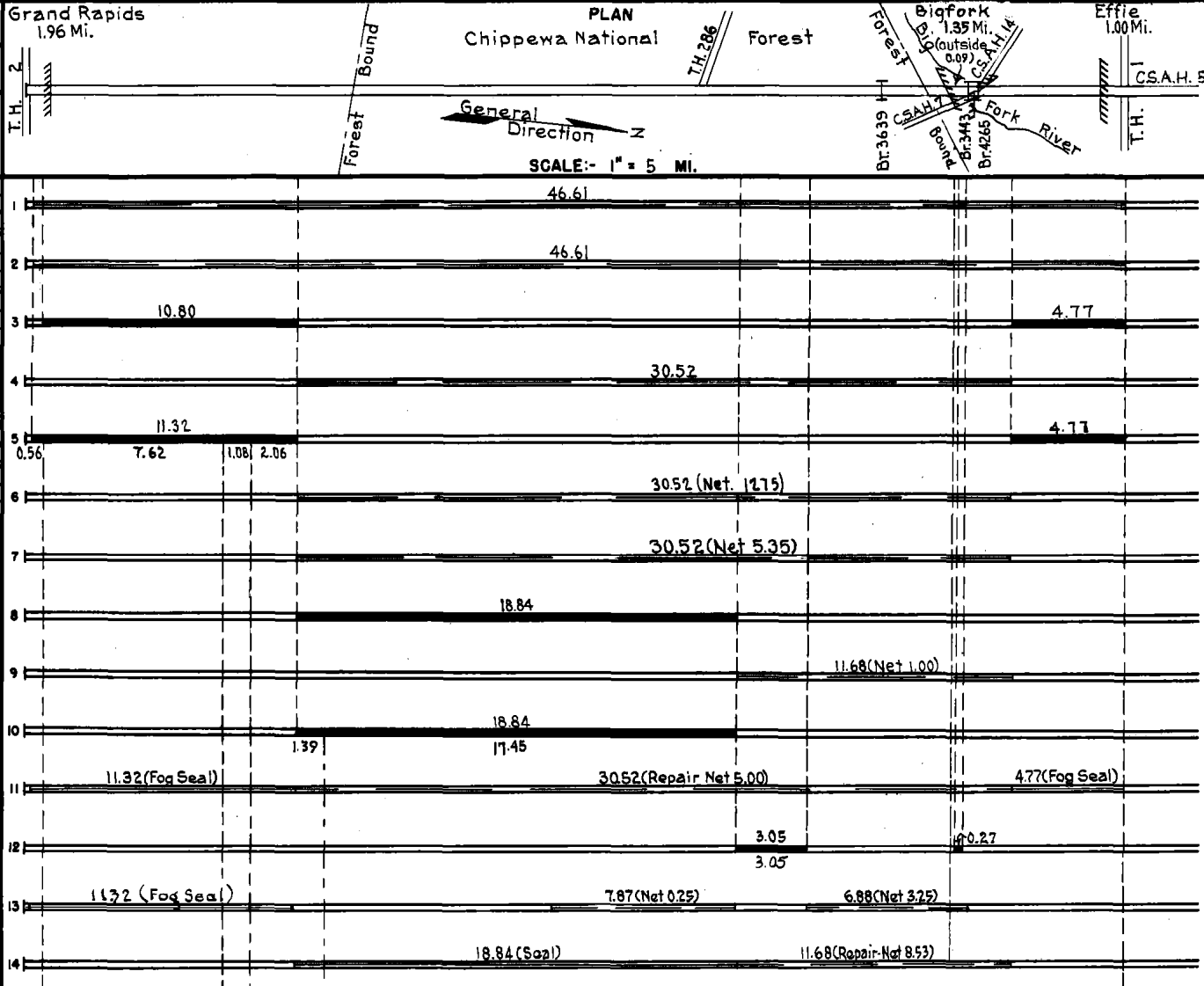
LIMITS: Jct. T.H. 2 in Grand Rapids - Jct. T.H. 1 in Effie

Grand Rapids
1.96 Mi.

PLAN
Chippewa National Forest



YEAR BUILT	PROJECT N°	DESCRIPTION				CODE N°
		TYPE	WIDTH	THICKNESS	REMARKS	
M 1943	A.F.E. 4	Spot Treat. Bit. Surf. Repair	22'		MC-2, 818 Gal./Mi.	
M 1944	A.F.E. 25 & 26 A.F.E. 4	Grade Lifts (Spots) Spot Treat. Bit. Surf. Repair	22' 30"		MC-2, 1649 Gal./Mi. Agg. 51 C.Y./Mi. Maint. Div.	
C 1945	A.F.E. 25A & B	Sand-Grav. Lift. Bit. Surf. Treat. (Mixed Prime)	22'	6"-15"	MC-2, 10745 Gal./Mi.	
M 1945	A.F.E. 19 A.F.E. 4	Sand-Gr. Lifts (Spots) Spot Treat. Bit. Surf. Repair	24'	5 1/2"	RF-6 & MC-2, 2727 G./Mi. Agg. 98 C.Y./Mi. Maint. Div.	
C 1946	A.F.E. 17	Bit. Resurfacing Mixed Bit. Spot Shoulder Prime	24'	1 1/2"	RF-6 149396 Gal. Agg. 6544 C.Y.	
M 1946	A.F.E. 4	Spot Treat. Bit. Surf. Repair	24'		SC-3 112565 Gal. Agg. 6544 C.Y.	
M 1947	A.F.E. 4	Spot Treat. Bit. Surf. Repair	24'		MC-2, 46031 Gal. Agg. 2506 C.Y.	
C 1947	A.F.E. 33 A.F.E. 34	Sand-Grav. Sub Base Grav. Base	24'	4"-16" 2"	14008 C.Y.	
M 1948	A.F.E. 4	Spot Treat. Bit. Surf. Repair	24'		SC-3, 8220 Gal. Agg. 453 C.Y.	
C 1948	A.F.E. 18	Bit. Surfacing Mixed Bit. (Mixed Prime)	24'	1 1/4"	MC-3 & SC-3, 262627 Gal. Agg. 1791 C.Y.	
M 1949	A.F.E. 4	Spot Treat. Bit. Surf. Repair Bit. Fog Seal	24'		Bit. 71818 Gal. Agg. 3144 C.Y.	
C 1950	A.F.E. 21	Sand-Gravel Base Bit. Surfacing Mixed Bit.	24'	4"-12" 1"	SC-3, 31991 Gal. Agg. 1644 C.Y. (Mixed Prime)	
M 1950	A.F.E. 4	Spot Treat. Bit. Surface Repair Bit. Fog Seal	24'		SC-3 & RC-1, 57778 Gal. Agg. 2584 C.Y.	
M 1951	A.F.E. 19 A.F.E. 4	Spot Treat. Bit. Surf. Repair Light Bit. Seal	24'		Spot Sand-Grav. Base SC-3 & RC-1, 123013 Gal. Agg. 6217 C.Y.	



YEARS FROM	TOTAL MILES TO	UNINCORPORATED		INCORPORATED		RURAL		URBAN	
		RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.

REMARKS: See Sheet No 1

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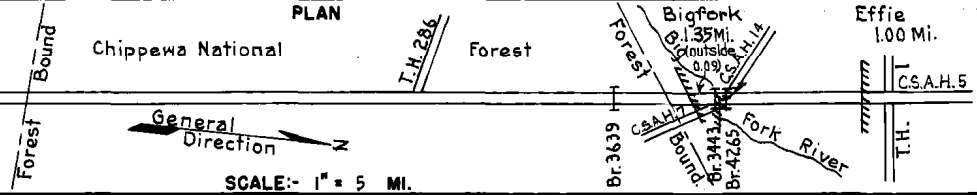
STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
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CONSTRUCTION PROJECT LOG RECORD

CONTROL SECTION 3108
TRUNK HIGHWAY 38
COUNTY Itasca
DISTRICT 1B

LIMITS: Jct. T.H. 2 in Grand Rapids - Jct. T.H. 1 in Effie

Grand Rapids
1.96 Mi.

PLAN



YEAR BUILT	PROJECT N°	DESCRIPTION			CODE N°
		TYPE	WIDTH	THICKNESS	
M		Spot Treat			
1952	A.F.E. 4	Bit. Surf. Repair			
	A.F.E. 25	Sag Repair			
					MC2, 50,283,631 Gal. Agg. 3443 C.Y. In Big Fork
C		Grading			
1952	3108-08	P.C. Conc. Base	40'	7"	
		Pl. Mix Surf.	40'	2"	
M		Spot Treat			
1953	A.F.E. 604	Bit. Surf. Repair	24'		
					MC-3 280,636 Gal. Agg. 2369 Tons
M		Subgr. & Sag Repair			
1954	A.F.E. 821	Spot Treat			
	A.F.E. 604	Bit. Surf. Repair	24'		
					Bit. Mixture 119 Tons MC-2, 119,178 Gal. Agg. 9055 Tons
M		Spot Treat			
1955	A.F.E. 604	Bit. Surf. Repair	24'		
					MC-2, 50,831 Gal. Agg. 4070 Tons
M		Spot Treat			
1956	A.F.E. 604	Bit. Surf. Repair	24'		
					MC-2, 283,454,20 Gal. Agg. 3380 Tons
M		Spot Treat			
1957	A.F.E. 604	Bit. Surf. Repair	24'		
					MC2, 34,780 Gal. Agg. 2420 Tons
M		Light Bit. Seal Coat	25'		
1958	A.F.E. 605				
					RC-2&RS-2, 8090 Gal. Agg. 2880 C.Y.
M		Spot Treat			
1961		Bit. Surf. Repair	24'		
					MC-2 & MC-3, 17,554 Gal. for Repair & 5091 Gal. for tack
M		Flatten Shld. Slopes			
1962					
C&M		Pl. Mix Bit. Surf.	22.98		
1963	C-SF	Spot treat			
		Bit. Surf. Repair	Var.		
					Bit. Mix 77.14 Tons Tack 4073 Gal.
M		Spot Treat			
1965	SF	Bit. Surf. Repair	24'		
					Bit. Mix 26.15 Tons Mc. 250 Tack 2332 Gal.
C		Grading, Select gran. *			
1967	3108-14	Gravel Base			
		Road Mix Bit. (Base)	26'	1 1/2"	
M		Bit. Seal Coat	24'		
1967	C				
					CR5-1 Bit. 61,983 Gal. FA-1 Agg. 2292.7 C.Y.

1					35.29 (Net 9.03)	
2						
3					46.05 (Net 4.60)	
4					46.05 (Net Subgr. & Sag Rep. 0.12X Net Surf. Repair 13.75)	
5						21.42 (Net 6.00)
6						30.70 (Net 6.50)
7						23.66 (Net 3.85)
8						46.05
9						33.62 (Net 2.30)
10						
11						39.74
12						24.65 (Net 3.70)
13						1.08
14						37.45

YEARS FROM	TOTAL TO	MILES	UNINCORPORATED		INCORPORATED		RURAL		URBAN	
			RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.

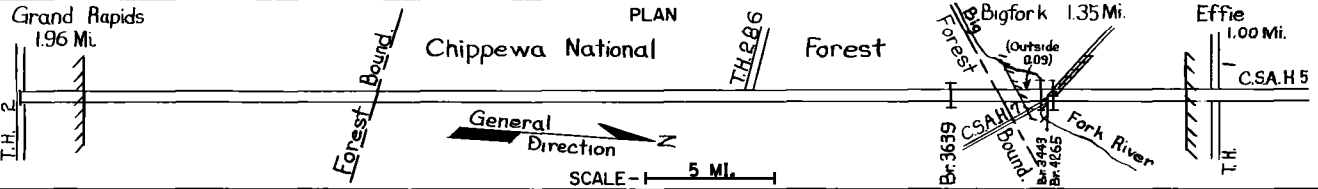
REMARKS: See Sheet No. 1

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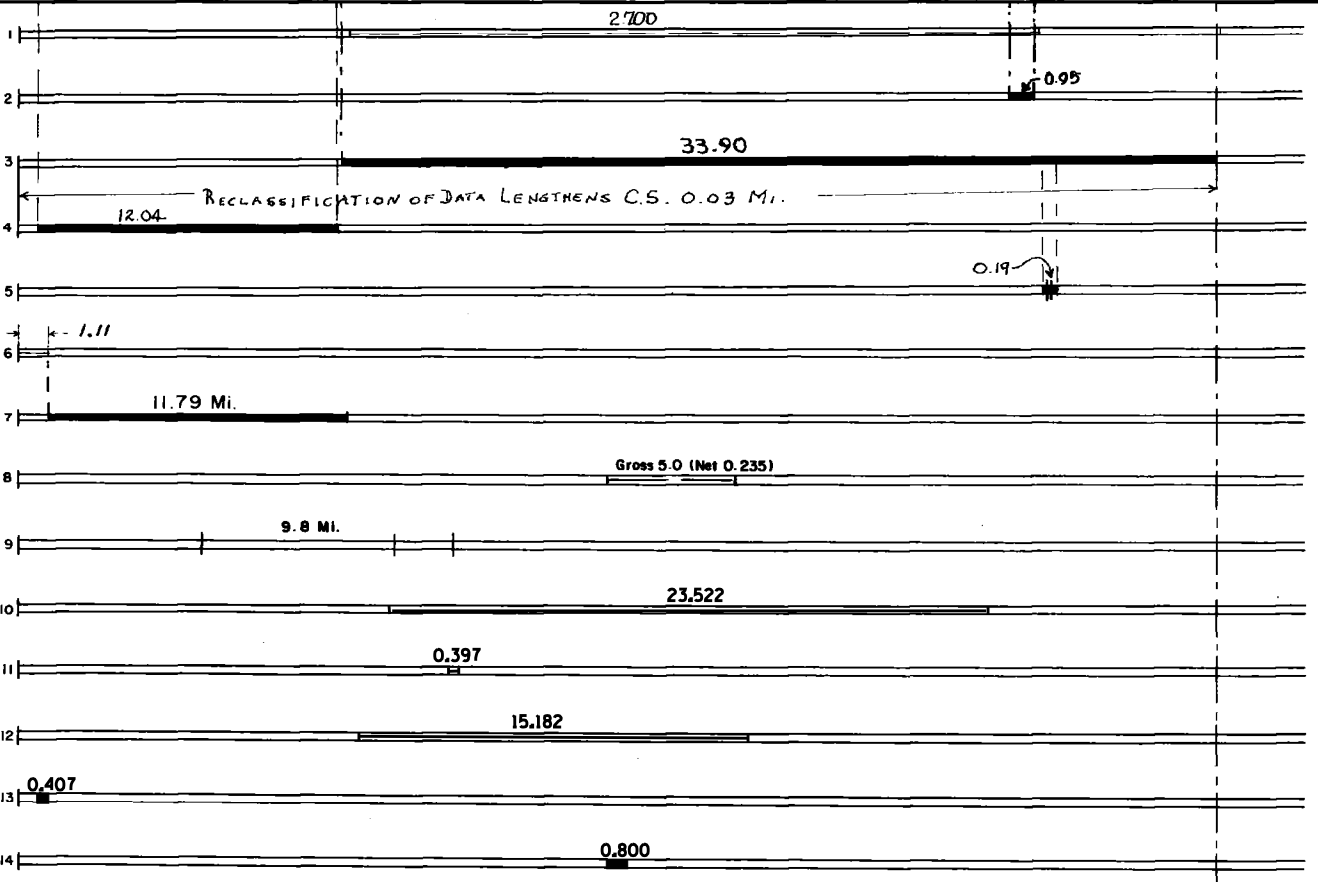
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CONTROL SECTION 3108
TRUNK HIGHWAY 38
COUNTY Itasca
DISTRICT 1B

LIMITS: Jct. T.H. 2 in Grand Rapids - Jct. T.H. 1 in Effie
Ref. Pt. 000+00.000 - 046+00.858



YEAR BUILT	PROJECT NO.	DESCRIPTION			
		TYPE	WIDTH	THICKNESS	REMARKS
M 1972	SF	Spot Bit. Surf. Repair	Var.		MC-250 Tack 577496 gal Agg. 4580 Tons
M 1973	SF	Bit Surface	26'	2"	
C 1973	3108-29	Gravel Shoulders Bit Overlay	24'	1 1/2"	
C 1969	3108-20	P.L. Mix Bit. Surf GRAVEL SHLDRS	24'	2 1/2" 2'	
C 1969	3108-21	GRADE, GRAV. BASE RD. MIX BIT. SURF GRAVEL SHLDRS	24'	3" 8'	2-13 1/2" RCP
C 1979	3108-32	Bit. Overlay	48' or 30'	3/4"	Bit. Spec 2361 1007 Ton CEMENT 81 Ton Contract No. 18526
C 1982	3108-35	Bituminous Surfacing Gravel Shoulders	22'-24' 2'-4'	2 1/2" Var.	
M 1983	SF	Bit. Spot Overlay Rut Repair	24' 6'	1" 2"	Spec. 2331 218 Tons Spec 2361 580.5 Tons Spec 2361 240 Tons
M 1984	SF	Drainage Corrections			Repl. 3 C.M.P. 18"x44" 15 Yds MC 250 Patching
M 1985	SF	Spot Overlay	24'	Var.	Spec. 2341
M 1986	SF	Spot Overlay	17'	Var.	Spec. 2341
M 1987	SF	Spot Overlay	24'	Var.	Spec. 2341
C 1988	3108-38	Grading Bit. Surfacing	52'	1" 5"	Spec. 2361 Spec. 2331
M 1990	SF	Bit. Overlay	24'	6"	Spec. 2331



YEARS		TOTAL MILES	UNINCORPORATED		INCORPORATED		RURAL		URBAN	
FROM	TO		RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.	RDWY. MI.	BR. MI.

REMARKS: See Sheet No. 1

