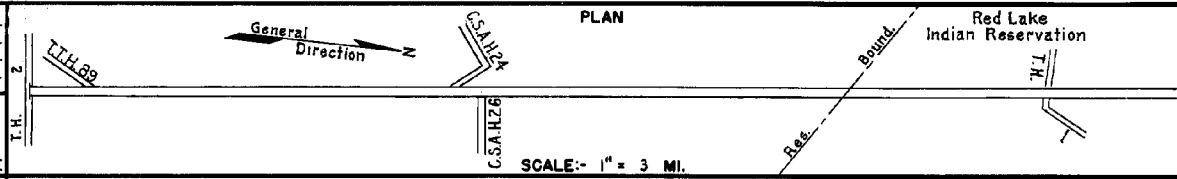


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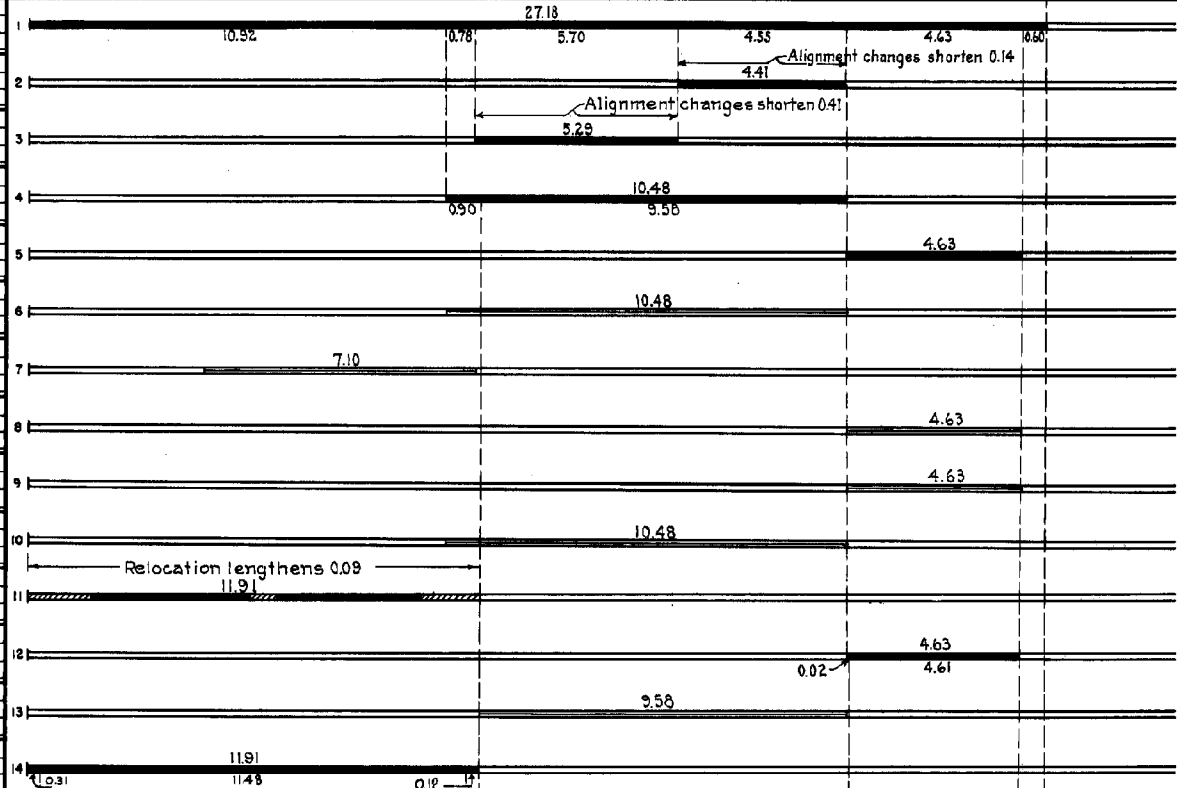
STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
ROAD LIFE STUDIES
CONSTRUCTION PROJECT LOG RECORD

CONTROL SECTION 0414
TRUNK HIGHWAY 89
COUNTY Beltrami
DISTRICT 2A

LIMITS: Jct. T.H. 2 - Jct. T.H. 1 near Red Lake



YEAR BUILT	PROJECT N°	DESCRIPTION			CODE N° DisJ.
		TYPE	WIDTH	THICKNESS	
		Gravel	20' 2"	1 1/4"	No Record of Constr. Added in 1934.
1936	89-136-22-1&2A	Grading	24'		Built by Red Lake Indian Dept.
1937	89-136-22-2B&C	Grading	24'		336
1938	A.F.E. 14	Gravel	24'	1 3/4"	Maint. Dept.
C (1)	1940 A.F.E. 31	Bit. Surf. Treat.	27'	1/4"	Maint. Dept.
M	1941 A.F.E. 32	Regraveling & Grade Lift (Spots)	28'		502 C.Y./Mi. Maint. Dept.
M	1942 A.F.E. 6	Regraveling			523 C.Y./Mi. Maint. Dept.
M	1942 A.F.E. 4	Bit. Retreat	24'		RT-5, 6359 Gal./Mi. Grav. 335 C.Y./Mi. Maint. Dept.
M	1944 A.F.E. 5	Bit. Seal Coat			RT-5, 2592 Gal./Mi. Grav. 71 C.Y./Mi. Maint. Div.
M	1945 A.F.E. 6	Grav. Resurfacing			500 C.Y./Mi. Maint. Div.
C	1948 0414-02	Grading Stab. Gravel C46 x 37'	30' 24'	9'-2"	247
C (2)	1948 A.F.E. 25	Bit. Resurfacing Mixed Bit.	24'	1" added	MC38563, 50562 Gal. Agg. 3870 Tons
M	1948 A.F.E. 6	Grav. Resurfacing			6811 Tons
C	1949 0414-04	Plant Mix Bit.	24'	1 1/4"	449



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	1935	27.18	27.18	0.00	0.00	0.00	27.18	0.00	0.00	0.00
1936	1936	27.04	27.04	0.00	0.00	0.00	27.04	0.00	0.00	0.00
1937	1947	26.53	26.53	0.00	0.00	0.00	26.53	0.00	0.00	0.00
1948	1955	26.72	26.72	0.00	0.00	0.00	26.72	0.00	0.00	0.00
1956	1967	26.36	26.36	0.00	0.00	0.00	26.36	0.00	0.00	0.00
1968		26.33	26.33	0.00	0.00	0.00	26.33	0.00	0.00	0.00

REMARKS: Layout is to scale as of 1937 Plan revised for 1948 relocation.
 (1) A.F.E. 31 included Bit. Surf. Treat. of 0.68 Mi. on E. leg of T.H. 89 in addition to 4.63 Mi. shown.
 (2) A.F.E. 25 included Mixed Bit. on East leg of T.H. 89

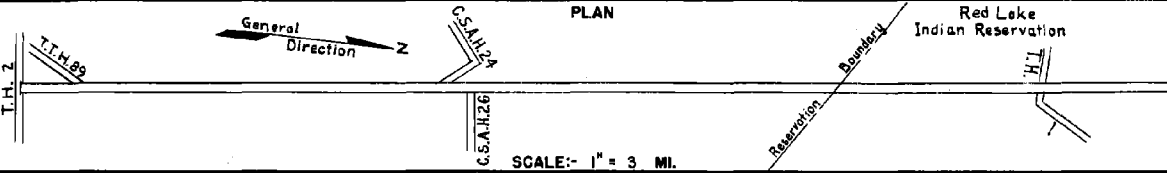
4.74

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CONTROL SECTION 0414
TRUNK HIGHWAY 89
COUNTY Beltrami
DISTRICT 2A

LIMITS: Jct. T.H. 2 to Jct. T.H. 1 near Red Lake



YEAR BUILT	PROJECT N°	DESCRIPTION			REMARKS	CODE N° DIST.
		TYPE	WIDTH	THICKNESS		
M	(3)				RCS-1 8676 Gal.	
1970	A.F.E. 4	Fog Seal	24'		Agg. 199 C.Y.	
C	0414-07	Gravel Base	28'	7-13"		
1951	(4)	Bit. Surf. Base (Mixed Bit)	24'	2"		150
M		Spot Base Repair			MC-2, 6928 Gal.	
1954	A.F.E. 823	Bit. Surface	24'		Agg. 269 C.Y.	2453
		Mixed Bit				2554
M		Light Bit. Seal	24'		RCS-2, 28581 Gal.	
1955	A.F.E. 605				Agg. 1060 C.Y.	
C&M		Bit. Resurfacing			MC-3, 84281 Gal.	
1955	A.F.E. 820	Mixed Bit	24'	1"	Agg. 7098 Tons	
	A.F.E. 827	Shoulder Repair				
C		Grading	36'		MC-2, 2817 Gal.	
1956	under 0403-02	Granular Mat	36'	12"	Agg. (1/2-3/6 Gravel)	155
	A.F.E. 823	Mixed Bit (Mixed Pr.)	30'	1 1/2"		
M		Light Bit. Seal	25'		RS-2, 16780 Gal.	
1957	A.F.E. 605				Agg. 296 C.Y.	
C		Bit. Resurfacing			MC-2, 47346 Gal.	
1957	A.F.E. 820	Mixed Bit	24'	1" added	Agg. 3695 Tons	
M		Light Bit. Seal	25'		RS-2, 8237 Gal.	
1959	A.F.E. 605				Agg. 296 C.Y.	
M		Light Bit. Seal	25'		RS-2K, 19463 Gal.	
1963					Agg. 740 C.Y.	1363
C		Grade, Gravel Base				
1968	0406-07	Bit. Base, Bit Surf., & Gravel Shldr.		2"		348
M		Bit. Surf. Repair	24'	1 1/2"	MC-250, 40,191 Gal.	
1968	SF				Agg. 4060 Tons	1168
C		Grading, Gravel Base			Right Turn Lanes	
1973	0414-11	Bit. Surface & Gravel Shoulders	24'	1 1/2"	at 21 locations	873
C		Bit. Resurfacing	24'	1 1/2"		
1978	0414-10	RT TURN LANES			AT 21 LOCATIONS	1176

1			4.67
2		9.60	
3	0.54		
4	11.91		4.61
5		9.60	
6			Shortens 0.36
7		9.60	
8			4.85
9			4.85
10	11.91		
11	relocation shortens 0.03		
12		9.58 (Net 5.00)	
13			14.28 (Relocation Shortens 0.29 Mi)
14	11.61		

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
(3) Includes Fog Seal on East Leg of T.H. 89 (4) Contract not final but work substantially complete in 1951

