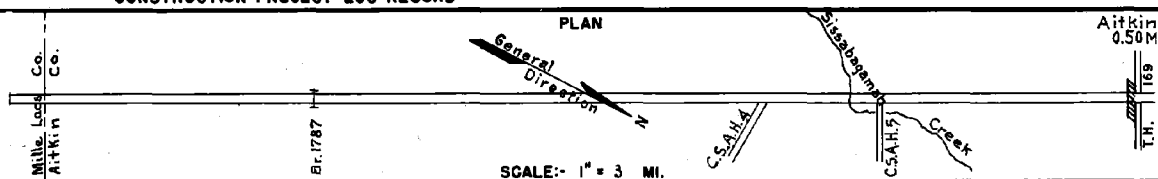


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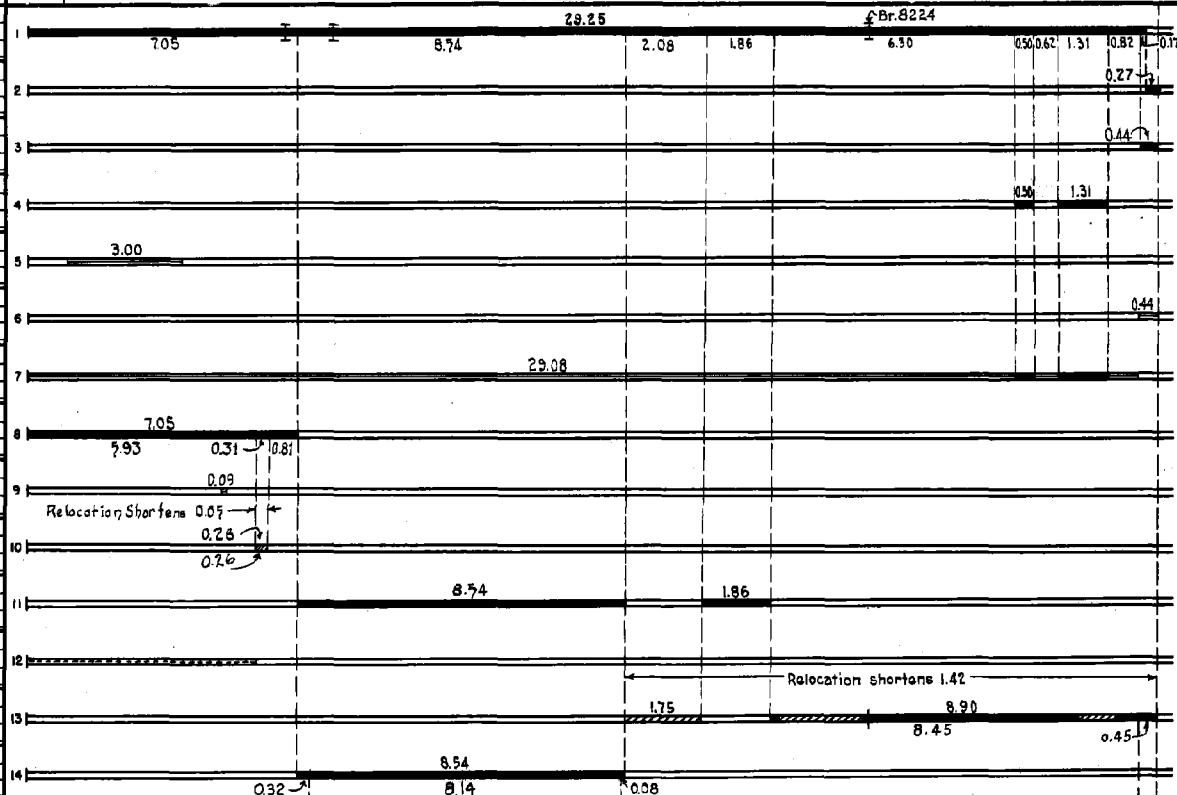
STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
ROAD LIFE STUDIES
CONSTRUCTION PROJECT LOG RECORD

CONTROL SECTION 0108
TRUNK HIGHWAY 47
COUNTY Aitkin
DISTRICT 3A

LIMITS: S. Co. Line - Jct. T.H.169 in Aitkin



| YEAR BUILT | PROJECT N ^o | DESCRIPTION | | | CODE N ^o |
|------------|------------------------|------------------------------------------------|----------------------|-----------|--------------------------------------------------------------------------|
| | | TYPE | WIDTH | THICKNESS | |
| 1931 | | Gravel | 22' | 3" | Co. Job #3101 Added in 1934 - 1200 C.Y./Mi. 14' N.S. 16' W.S. & 14' B.S. |
| | | Br*1788, 1787 & 8224 | 23' | | |
| 1931 | | Gravel | 32' | 3" | Co. Job N ^o 3101, 1200 C.Y./Mile, Added in 1934. |
| 1937 | A.F.E. 42 | Mixed Bitum. | 20' | 1" | Maint. Dept. |
| 1943 | 0108-06 | Grading | 26' | | |
| 1943 | A.F.E. 20 | Ditch Cleaning & Grav. Resurfacing | | | 760 C.Y./Mi. Maint. Dept. |
| 1945 | A.F.E. 4 | Bit. Surf. Repair | 24' | | SG 3,8130 Gal./Mi. Grav. 477 C.Y./Mi. Maint. Div. |
| 1945 | A.F.E. 21 | Grade Lift (Spots) | 26' | | 479 C.Y./Mi. Maint. Div. |
| 1945 | A.F.E. 6 | Grav. Resurf. (27.27 Mi) Grav. Surf. (1.81 Mi) | | | |
| 1946 | A.F.E. 31 | Gravel Base | 28' | 9"-21" | SG 3,98425 Gal. |
| 1946 | A.F.E. 17 | Mixed Bit. (Mixed Prime) | 24' | 2" | |
| 1970 | A.F.E. 19 | Swamp fill Restore Bit. Surface | | | SG 7,1710 Gal. |
| 1970 | 1949 A.F.E. 40 | Grading | 28' | | SG 2,3610 Gal. Agg. 164 C.Y. |
| 1970 | 1970 A.F.E. 40 | Gravel Base Mixed Bit. | 28' | 6" 1 1/2" | |
| 1970 | 1950 A.F.E. 28 | Reshaping (Spots) Sand-Grav. Base (Spots) | 28' | 3'-9" | 8.54 1.86 |
| 1970 | 1971 A.F.E. 28 | Gravel | 28' | 3" | |
| 1970 | 1949 A.F.E. 45 | Ditch & Shoulder | | | Relocation shortens 1.42 |
| 1970 | 1970 A.F.E. 45 | Grading | | | |
| 1951 | 0108-08 | Grading Gravel Gravel Base | 34.4' 28' 2" 44' 12" | | C.M. Arch Culv. (1) 1200 C.Y./Mile 0.45 Mi. at Aitkin |
| 1951 | A.F.E. 19 | Bit. Surfacing Mixed Bit. (Mixed Prime) | 27' | 1 1/2"-2" | SG 3,110221 Gal. |



| YEARS FROM | TO | TOTAL MILES | UNINCORPORATED | | INCORPORATED | | RURAL | | URBAN | |
|------------|------|-------------|----------------|---------|--------------|---------|-----------|---------|-----------|---------|
| | | | RDWY. MI. | BR. MI. | RDWY. MI. | BR. MI. | RDWY. MI. | BR. MI. | RDWY. MI. | BR. MI. |
| 1934 | 1949 | 23.52 | 29.24 | 0.01 | 0.27 | 0.00 | 29.24 | 0.01 | 0.27 | 0.00 |
| 1950 | 1950 | 29.47 | 29.19 | 0.01 | 0.27 | 0.00 | 29.19 | 0.01 | 0.27 | 0.00 |
| 1951 | 1967 | 28.05 | 27.75 | 0.01 | 0.25 | 0.00 | 27.75 | 0.01 | 0.25 | 0.00 |
| 1968 | 1970 | 27.20 | 26.74 | 0.01 | 0.25 | 0.00 | 26.74 | 0.01 | 0.25 | 0.00 |
| 1971 | | 27.20 | 26.69 | 0.01 | 0.50 | 0.00 | 26.69 | 0.01 | 0.50 | 0.00 |

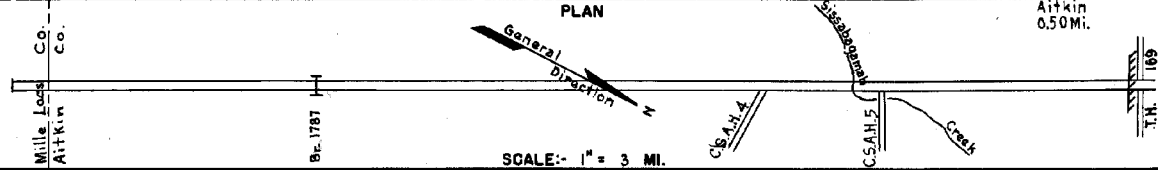
REMARKS: Layout is to scale as of 1934
(1) Culvert replaces Br. 8224.

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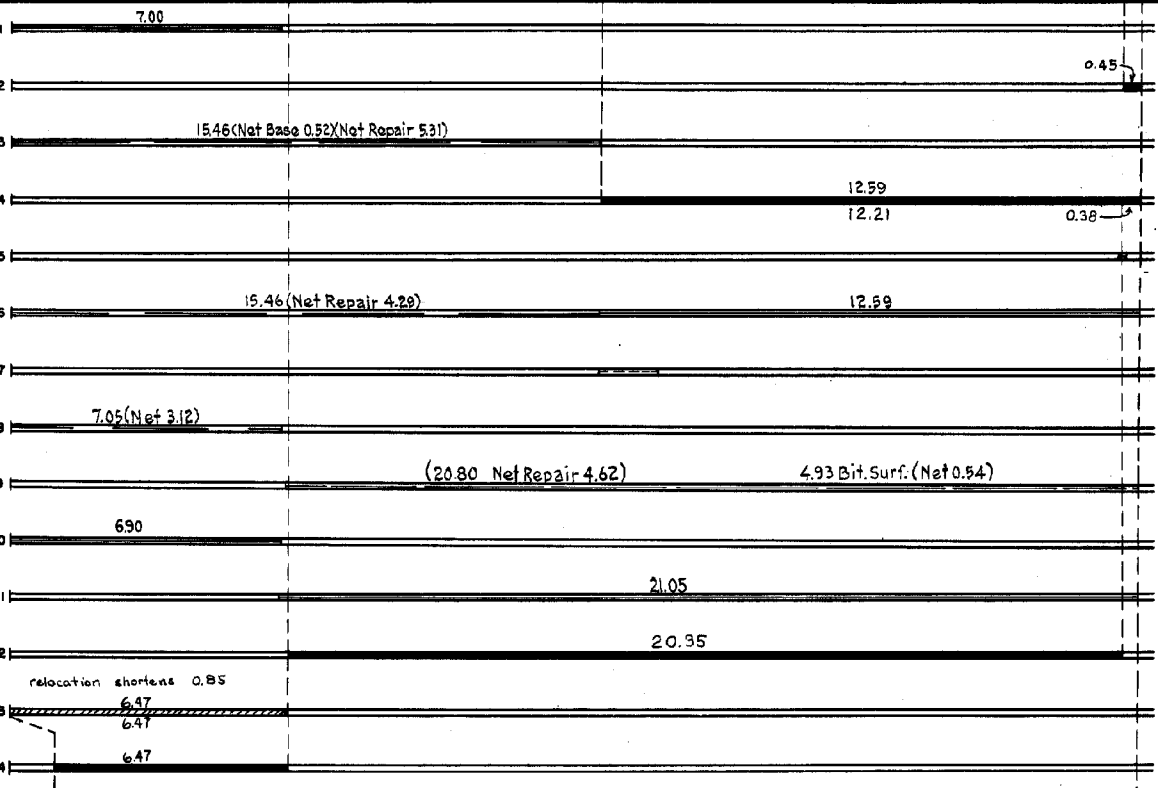
STATE OF MINNESOTA
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CONSTRUCTION PROJECT LOG RECORD

CONTROL SECTION 0108
TRUNK HIGHWAY 47
COUNTY Aitkin
DISTRICT 3A

LIMITS: S. Co. Line - Jct. T.H. 169 in Aitkin



| YEAR BUILT | PROJECT N ^o | DESCRIPTION | | | CODE N ^o |
|------------|------------------------|----------------------------------------------------------|-------------------|-------------------------------------------------------------------------|---------------------|
| | | TYPE | WIDTH | THICKNESS | |
| M 1951 | A.F.E. 4 | Bit. Resurf. (Spot) Fog Seal | 24' | | |
| | | | | SC-3, 5183 Gal. RC-1, 9992 Gal. Agg. 634 C.Y. | |
| C 1952 | A.F.E. 24 | Bit. Surfacing Mixed Bit. (Mixed Prime) | 32' 2" | | |
| | | | | SC-3, 9442 Gal. | |
| M 1953 | A.F.E. 835 | Spot Base Repair | 28' | | |
| | A.F.E. 604 | Spot Treat. Bit. Surf. Repair | 24' | | |
| | | | | Grav. Base 2606 Tons SC-3, 31168 Gal. Agg. 4191 Tons | |
| C 1953 | 0108-09 | Gravel Sub-base* Gravel Base* Mixed Bit. | 30' 30' 28' | 0'-9" 3'-4" 1 1/2" | |
| | | | | Grading (1.86 Mi.) *except M.P. 2760-2808 | |
| C 1954 | A.F.E. 834 | Guard Rail (348') | | | |
| M 1955 | A.F.E. 604 | Spot Treat. Bit. Surf. Repair | 24' | | |
| | A.F.E. 605 | Light Bit. Seal (2.59 Mi.) | 24' | | |
| | | | | SC-3 & RS-2, 46553 Gal. Agg. 1630 Tons & 897 C.Y. | |
| C 1955 | A.F.E. 817 | Guard Rail (3168') | | | |
| M 1958 | A.F.E. 604 | Spot Treat. Bit. Surf. Repair | 24' | | |
| | | | | SC-3, 26178 Gal. Agg. 2139 Tons | |
| M 1959 | A.F.E. 819 | Spot Grav. Base & Bit. Surf. | 26' | 1" | |
| | A.F.E. 604 | Spot Bit. Surf. Repair | 24' | 1" | |
| | | | | Mt. Pt. 16.75-21.68 for a net of 0.54 Mi. SC-3 & MC-3, 20716 Gal. | |
| M 1961 | | Light Bit. Seal | 26' | | |
| | | | | RS-2, 13734 Gal. Agg. 435 C.Y. | |
| M 1962 | | Bit. Seal Coat | 25' | | |
| | | | | RS-2, 37558 Gals. Agg. 1332 C.Y. | |
| C 1968 | 0108-14 | Pl. Mix. Bit. overlay | 24' 1 1/2" | | |
| | | | | Bit. Matl. 2440 Ton | |
| C 1968 | 0108-12 | Grade & Gravel Surf. | 50' | | |
| | | | | 1200 C.Y. / Mi. | |
| C 1969 | 0108-13 | Gravel Base Pl. Mix. Bit. Base Pl. Mix. Bit. Surf. | 24' 24' 24' | 4 1/2" 1 1/2" 2" | |



| YEARS FROM | TOTAL MILES | UNINCORPORATED | | INCORPORATED | | RURAL | | URBAN | |
|------------|-------------|----------------|---------|--------------|---------|-----------|---------|-----------|---------|
| | | RDWY. MI. | BR. MI. | RDWY. MI. | BR. MI. | RDWY. MI. | BR. MI. | RDWY. MI. | BR. MI. |
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REMARKS: See Sheet No. 1

