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OFFICE MEMORANDUM



MICHIGAN
DEPARTMENT OF STATE HIGHWAYS

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To: Max N. Clyde
Engineer of Testing and Research

From: L. T. Oehler

Subject: Snow Plow Damage of "Transflex" Bridge Seals. Research Project
62 G-116(3). Research Report No. R-808.

The following is a report from F. J. Bashore concerning information about a recent field survey of the Transflex bridge seals which have been installed in Michigan bridges. This survey disclosed that a Transflex seal on each of the following structures is above the surface of the bridge deck and is receiving damage from snow plows. Design Division Standard No. 6.26.02 requires that the seal be installed 1/4 in. below the deck surface.

US 24, NB (Telegraph) over the Rouge River (B03 of 82052) - The north joint on this structure has received some snow plow damage (Photo 1). The surface on each side of the seal is bituminous concrete which appears to have compacted since the seal was installed, thus leaving the seal slightly above the surface.

Indian Lakes Rd over SB US 131 (S01 of 41133) - Both faces of this joint are portland cement concrete, therefore, the seal must have been installed too high. The plow blade is starting to gouge the neoprene surface of the seal (Photo 2).

Indian Lakes Rd over NB US 131 (S02 of 41133) - Both faces of this joint are also concrete. The snow plow is gouging the neoprene and starting to remove the stud hole plugs (Photo 3).

TESTING AND RESEARCH DIVISION

L. Roy T. Oehler

Engineer of Research
Research Laboratory Section



◀ US 24, NB (Telegraph) over the
Rouge River (B03 of 82052).

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▲ Indian Lakes Rd over SB US 131 (S01
of 41133).



◀ Indian Lakes Rd over NB US 131 (S02
of 41133).