



COMMONWEALTH OF
MASSACHUSETTS

DEPARTMENT OF
PUBLIC WORKS

HIGHWAY MAINTENANCE DIVISION

REDUCED SALT
EXPERIMENTS

1986 - 1987

Goshen

location: Route 9

length: 4.2 lane miles

road surface: Verglimit

average road width: 28 to 40 feet

lanes: 2 travel, 2 breakdown

drainage: closed drainage system

ADT: 3,507 vehicles

tons per lane mile applied in test area: 1.73

tons per lane mile applied District wide: 13.04

percent difference: 87% reduction

Goshen differs from the other test sections in that the road surface is a relatively new product that helps in deicing. The Verglimit surface contains calcium chloride, which washes out of the pavement and prevents the buildup of snow packs. Section VII of this report describes the surface and its effectiveness.

Reports as submitted by the foremen in the test area indicated that the salt/sand mixture was an effective deicing agent on test area surfaces. On fifteen of sixteen occasions in which storm conditions were recorded in the test area, and where temperatures ranged between 14 degrees Fahrenheit and 36 degrees Fahrenheit, the test material was effective in providing a safe travel surface to highway motorists. There is only one account of snow pack on test area surfaces. This occurred as the result of a heavy snow accumulation combined with storm temperatures of 28 to 32 degrees Fahrenheit.

Übersetzung

Commonwealth von Massachusetts, Strassenbauverwaltung, Abt. Unterhaltung

Versuche zur Einsparung von Streusalz

Ort: Goshen; Route 9; Streckenlänge 3,4 km; Belagsart VERGLIMIT

Salzverbrauch:

Verbrauch pro Jahr pro „lane mile“ auf der Teststrecke (VERGLIMIT) = 1,73 Tonnen

Verbrauch pro Jahr pro „lane mile“ auf der Vergleichsstrecke = 13,04 Tonnen

Salzeinsparung auf der Teststrecke (VERGLIMIT) = 87 %

Traduction

Commonwealth de Massachusetts, Département de travaux publique, Division d'entretien

Essais d'économie de sel hivernal

Lieu: Goshen, Route 9; longueur du revêtement 3,4 km; type de revêtement VERGLIMIT

Consommation du sel:

Consommation / an / „lane mile“ sur le tronçon d'essai (VERGLIMIT) = 1,73 tons

Consommation / an / „lane mile“ sur le tronçon de comparaison = 13,04 tons

Economie de sel sur le tronçon d'essai (VERGLIMIT) = 87 %