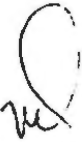


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Prepared By:

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June 29, 1989
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RESEARCH UPDATE

NUMBER 89-4

MIRAMAT EROSION CONTROL/VEGETATION MAT

REFERENCE: Work Plan 87-R-1; Update 88-16

HISTORY: Miramat, a three dimensional web of bonded vinyl monofilaments, was installed in a shallow ditch on a 16±% grade on Prospect Street in Barre, Vermont on September 20, 1988. The 175±sy installation was completed by a crew of two men working a total of 3½ man hours. Moderate to heavy rainfall the evening after the installation did not result in visible erosion.

COST: MIRAMAT was paid for at a cost of \$10.00sy. Other treatments which could have been utilized at the site and their estimated sy costs included Type I Stonefill at \$8.33 sy, Bituminous gutter at \$9.58 sy and Sodding at \$6.00 sy.

STATUS: The following conditions were noted during an inspection of the site on June 7, 1989:

- 1) The experimental matting had prevented erosion and encouraged grass growth within the treated area.
- 2) Serious erosion and poor grass growth had occurred between the mat treated area and the concrete curb. The problem was probably due to the loss of mulch caused by wind from adjacent traffic.

CONCLUSION: MIRAMAT performed satisfactorily under difficult weather and site (steep grade) conditions.

No further reports are planned for this experimental installation.



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