



## Manual for Iowa Highway Officers

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By Iowa Highway Commission

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1905 edition. Excerpt: . must have FIRST, SUBDRAINAGE; SECOND, A CROWN, ANID, THIRID, SIDE-DITCHES. SUBDRAINAGE, In all places where the ground water level or point of saturation rises within eighteen inches to two feet of the surface for a considerable part of the year, the foundation will be greatly improved by tile drainage. Wherever bog springs, seeps or springs occur along the right of way, tile drainage is essential to road improvement. In places where a grade is to be constructed over a low stretch that becomes marshy at certain times of the year, tile should first be laid to protect the foundation; also a line of tile along the road will greatly lessen the injury to the road foundation when the frost is going out. This is a selfevident fact as it removes the ground water rising from capillary action or flowing from the hills to...



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