

# FARM ROAD CONSTRUCTION using READY MIXED CONCRETE

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بمصرفات الإسمنت  
الجاهزة



CEMENT AND CONCRETE ASSOCIATION

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# ROAD CONSTRUCTION USING

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# READY MIXED CONCRETE

## THE CONCRETE ROAD

The farm road for general purposes should not be less than 8 ft. wide and, unless it is at least 16 ft. wide, passing bays should be provided at suitable places along its length. These should be long enough and wide enough to take the longest vehicle or combination of vehicles (such as tractor and trailer) likely to use the road.

The finished concrete slab should generally be 6 in. thick, but if the subgrade (see Figure 1) is of gravel or other good hard material, the thickness may be reduced to 5 in.

Reinforcement is required for farm roads only when they are constructed on bad subgrades such as peat bog, fenland or wet clay, or when they are subject to particularly heavy traffic, such as several 15 to 20 ton lorries a day.

The concrete must be divided into individual slabs by joints, which should be 15 ft. apart if the road is unreinforced; they may be up to 30 ft. apart if reinforcement is used. Joints in passing bays should line up with joints in the through road.

## EQUIPMENT, MATERIALS AND LABOUR

Before starting construction, the equipment and materials necessary should be assembled in working order so that no time is wasted when the concrete arrives.

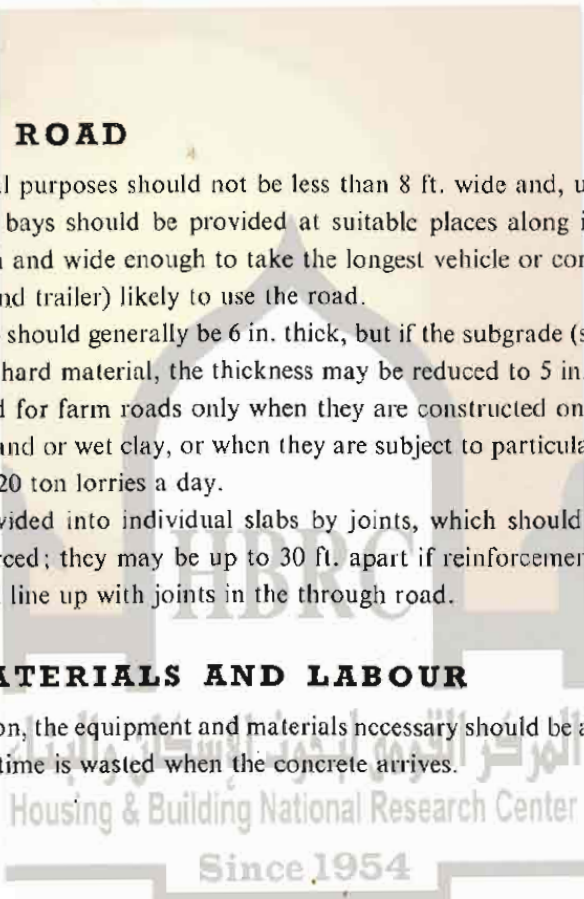
### Equipment

#### Road forms :

Road forms are required to hold fresh concrete. Steel forms can be hired, or, alternatively, timber forms can be made up on the site.

It is necessary to have sufficient forms for at least two day's work, so that, while concreting is in progress, forms can be fixed for the next day's work. Two extra lengths of form to place across the width of the road are also required, to provide 'stop ends'—one to start off with and the other for finishing at the end of the day's work.

The depth of the forms should be equal to the full depth of the concrete slab; if timber



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