

virtually the whole length on both sides. The bed will be dredged to an average width of 25 feet and all the excavation will have to be carted away to a suitable dumping ground. It is suggested that the borrow pits excavated during the Banks Rehabilitation Scheme could be suitably used for dumping purposes.

Some distance upstream of Bars Bridge are the 'Tares' where a long slope in front of each bank is available for widening purposes and through this length a bed width of 60 feet can be obtained, thereby reducing the hydraulic gradient. Above this section and through to Kate's Bridge the maximum channel width will vary from 45 ft. to 25 ft.

All dredged spoil along this length will be utilised to heighten and strengthen the banks on both sides.

The total estimated cost of this scheme amounts to £173,300 as per detailed estimate attached.

#### 8. Scheme 'B'.

This scheme, which would give a maximum water level of 13 O.D.N. at Tongue End under almost all conditions, would involve very extensive widening of the existing channel together with the disturbance of roads and property, renewal of all road bridges and a new sluice at the outfall.

In more detail it would consist of the following:-

An additional sluice with two 15 ft. openings would be provided at Surfleet Reservoir with tidal doors and freshwater retention doors.

The channel would be widened to a bed width of 80 ft. and regraded from the cill of the sluice to + 2.00 O.D.N. at Tongue End.

The existing bridges at Surfleet Railway, Surfleet Main Road, Pinchbeck Railway and Counter Drain Railway would be retained but extensive piling works would be necessary at each structure to give maximum channel capacity and to protect the footings against scour.

From Surfleet Reservoir to Surfleet Road Bridge, to obtain the necessary 80 ft. bed width, widening would take place on the South side and this would mean the removal of two permanent bungalows and the temporary structures at Surfleet Reservoir.

From Surfleet Road Bridge to Herring Bridge widening would take place on the North side and no properties would be involved. The reconstruction of Flaxmill