Bridge would be necessary.

Four . bank Road Bridges Between Herring Bridge and Bars Bridge extensive works would be necessary to and numerous properties are built on the land at the back of the bank. required 80 and one footbridge span the channel through this length. ft. channel. Along this section a road runs on the top

properties varying Utility services. bridges would have It would be necessary to widen the channel on removal from cottages to large farmhouses to be reconstructed together with ancillary works and rebuilding of the existing road together with some 40 the North side and this would and outbuildings. to Public All five

as it new flood bank on either the North or South side and between the existing flood banks. the exception protects a large area of fen land from the water of the undertaken Above Bars Bridge consolidation, and turfing of this bank would be of prior importance before of the length through the Tares sufficient width is not available any dredging operations could take place. the most difficult operation would have It would be necessary therefore to construct obviously this Glen. to take place. work would have The proper

reconstruction of both Tongue End Road Bridge and Jubilee Footbridges. Jubilee Bridge This new flood bank would have to be at Thurlby. The new 80 ft. channel width would necessitate the constructed from Bars Bridge to upstream

Kate's Bridge and a channel width of only 40 ft. would be desired width could be obtained within the present banks. rebuilding of considerable increase in the channel grade is available in banks would be necessary on this final length but in places required for the length this length.

estimate attached. The total estimated cost of Scheme 'B' amounts to £1,318,100 as per detailed

9. Contributions and Ministry Grant.

Z. either Scheme anticipated that grant aid of 80% or possibly more would be Black Sluice Internal Drainage Board, bearing in mind Under the Ministry of Agriculture, Fisheries and Food's usual proceedure, cost of either scheme might be obtainable from the Lincs River Board and/or AI or Scheme 'B'. It is also possible that a contribution towards that Scheme made available for A

pumping system, and that Scheme 'B' would eliminate greatly reduce the incidence of discharges over the Tongue End weir into it almost entirely.

10. Conclusion.

one, alarm and flood damage occurred. Although the recent flood in July of last year was not by any means a major

plant, supplemented by hired plant at competitive reaches of the Glen, I work could then be carried out as economically as would be for the Board be required. If the Board are to carry out Scheme 'A' over a period of 2 or 3 years. consider that the most practical scheme for all concerned prepared to carry out an improvement scheme to rates. possible using Increased staff should the boards the lower

considerably increased number of staff and employees. Scheme 'B' would involve large contracts, big earth moving machinery and

Unfortunately water from the West Glen, would remove the troubles from works, have been carried out on the River Glen for many years. report recent years, theoretically by the recent survey and extensive investigations should be that the completion of the Greatford Cut, taking a large part of this has been proved wrong, both practically by recent floods, and borne in mind that no improvement works, apart from maintenance the Glen below carried out for this It was hoped, Tongue End. T'n

preparation of G.E. Bowyer, B.Sc. (Hons). calculations and estimates In this connection I report prepared by Messrs. W.A. Fower, District Engineer and ЪУ would like the office staff and, in particular, the intricate to acknowledge the help given in

R.L.G. BAXTER. B.Sc., A.C.G.I., A.M.I.C.E.
Chartered Civil Engineer.
Acting Chief Engineer.

Welland House, Double Street, SPALDING, Lincs.

Accompanying this report are For Inspection at the Meeting

1 1

Estimates of Schemes 'A' and 'B'.

2½" Site Plan of River Glen, Kate's Bridge to Surfleet.

Longitudinal and cross sections Scheme 'A' Longitudinal and cross sections Scheme 'B'

RIVER GLEN ESTIMATE.

SCHEME 'A'.

			2.140		V(D,000 cas)	25 000 011 178	275.000 cu.yds.	55,400 cu.yds.	55,400 cu.yds.	46,200 cu.yds.		46,200 cu.yds.	18,400 cu.yds.	μυ, υυυ cu. yas.		58,400 cu.yds.	And the second section of the second
	10/6 OCH CTASCASCASCASCASCASCASCASCASCASCASCASCASCA	100 Contingencies	LIOATOTOTOTOT	Drowisional Sum for Fascines	Compensation	Trimming Spoil into Banks	Excavation Bars Bridge to Kate's Bridge	Extra over above for carting spoil	Excavation Herring Bridge to Bars Bridge Pinchbeck	Spreading Spoil	(Excavation Surfleet Road Bridge to Herring Bridge Pinchbeck	Spreading spoil	5 CT	arting spoil	Excavation Surfleet Sluice to Surfleet Road Bridge	
unita percebusian ya di a dhingiliadi	to be and an elementary of	-	angan ity uu in didinggebruit y a m			1/6	2/6	10/-	2/0	3/10	1/6	0/7	,	1/6	10/-	2/6	
	£173,300.	15,755.	157,545.	25,000.	5,000.	20,625.	34,375.	27,700.		6 925	3,465.	0,110.	n 775	1,380.	20,000.	7,300.	age of the second
	0.	0.	0	0.	0	0	0)	0	0	•)	0	0	0	
	0.	0.	0	0.	0	0	•)	•	•		9	0	0	0.	

RIVER GLEN ESTIMATE.

SCHEWE 'B'.

			250 acres	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item	4,000 yds.	900 chains	5 No.	Item	Item	84,000 sq.yds.	212,000 sq.yds.	2,260,000 cu.yds.	350,000 cu.yds.	2,610,000 cu.yds.	
	10% Contingencies	Compensation	Land Purchase	Reconstruct Blue Gowt Sluice and Bridge	Reconstruct Jubilee Bridge	Reconstruct Tongue End Road Bridge	Reconstruct Tongue End Footbridge	Reconstruct Bars Bridge	Reconstruct Boarden Bridge	Reconstruct Money Bridge	Reconstruct Benners Footbridge	Reconstruct Herring Bridge	Reconstruct Flaxmill Bridge	Replacement of Properties	Additional Sluice Surfleet Reservoir	Protection Piling Counter Drain Railway Bridge	Protection Piling Pinchbeck Railway Bridge	Protection Piling Surfleet Road Bridge	Alterations to Water Supply	Alterations to Electricity Lines	Alterations to Post Office Lines	Reconstruct New Roadway	Cut Soke Dykes 6yds/yd run	Reconstruct Freshwater feeds	Reconstruct Woolley's Mill Tunnel	Reconstruct Heathcotes Tunnel	Turf riverside batter of new bank	Strip turf at site of New Bank	Spreading Soil	Extra over above for carting and forming consolidated bank	Excavation Surfleet Reservoir to Kate's Bridge	DOLLINATA TO 0
The section and the section of the s	o a silventalema, i success	, the sea much existence than the first	10	o, a yagay manufustaban ya	-	and the state of t	was very different	necessary and designment explanation		dan da				apadigipapur 4 Gunnel								£5/10/-	£15/5/-	£200	geography and the second		2/6	6d.	1/6	10/-	2/6	and the state of t
£1,318,100. 0. 0.	119,825. 0. 0.	25,000. 0. 0.	50,000. 0. 0.	5,000. 0. 0.	5,000. 0. 0.	15,000. 0. 0.	5,000. 0. 0.	25,000. 0. 0.	17,500. 0. 0.	25,000. 0. 0.	5,000. 0. 0.	25,000. 0. 0.	15,000. 0. 0.	150,000. 0. 0.	40,000. 0. 0.	5,000. 0. 0.	5,000. 0. 0.	10,000. 0. 0.	20,000. 0. 0.	10,000. 0. 0.	5,000. 0. 0.	22,000. 0. 0.	13,725. 0. 0.	1,000. 0. 0.	500. 0. 0.	12,000. 0. 0.	10,500. 0. 0.	5,300 0 0	169,500. 0. 0.	175,000. 0. 0.	326,250. 0. 0.	