PRAHRAN - MALVERN TRABUAYS TRUST.

Mems by Chairman giving a comparison between Original and Revised estimates of Messrs. NOYES EROS.

in regard to proposed tramways.

ORIGINAL XSTIBATE -	25th. Way 1906.		100 and 201 and 201 and 201 and	REVISED ESTIMA	E - 29thJune 1907
Permanent Way	(inclusive of eng	indering charges)	257800	Do Exclusive of engine	ring charges
Overhead construction	1 400		5500	Do	£31700 5380
Feeder cable 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	00 0		1880	Do	2240
Power house and plant	60	£10780	2 2 2	(Converter of plant do	82750
Car shee offices and equipment	do do	6740	16520	(Car shed office do equipment)	7000 9750
Rolling Stock	Do		13560	do do	18240
(Alteration of never manho	40		2000	Engineering charges	261330 3070 464400
(Contribution to regrading		Tools of the last	15000 15000 £94760		4600 13000 282000
	Original estimate Revised estimate	Saving	94750 82000 21.2760	(Note 3/% on the aver included in each of the items for contingencies	e above

Page there should be added a further sum of £1000 for inter-est on borrowed moneys during construction and say a further sum of £2000 for unforseen contingencies and the reimburse-ment to the Prahran and Malvern Councils of the preliminary costs, charges and expenses incurred prior to the formation of the Trust making the total sum required to be borrowed £8500.

In view of the large cost of the tramway involved in the original estimates Messrs. Noyes Bros. were asked by the Conference Committee of the two Councils to report whether any and what savings could be effected by dispensing with a power house and purchasing power from the Electric Traction and Lighting Coy. Ltd. instead. In August 1906 Messrs. Noyes Bros. reported that by dispensing with a power house and purchasing the necessary Current requires a converter station only would be necessary. The price of the current so purchased would be 1.47 a (d.c.) per unit as against 1.91a if generated the Trust while the saving by having a converter station as against the cost of a power house would be £7480.

On account of the proposal to regrade the railway and having obtained from the Board of Works an accurate estimate of the cost of the elteration to manholes and water-mains they revised their original estimates up to that date and showed that the following saving could be effected.

Commissioners and the Councils represented

Note - The present estimates show a further reduction on this smount of £1760.

The following is a statement in regard to the principal items in the Revised estimates made under reing Levered, Of this am good her to the several headings.

Permanent Way (after adding £1586 its propertion of engineering charges), 24500

Overhead Construction - Saving

The saving on this item is small for although there has been a fall in the price of copper there has been an increase in the price of steel poles que to an increase in duty of 10%. The price of the poles forms a large per centage of the whole, while the value of copper involved is only £550.

Converter Plant - Car Shed and Office Equipment - Saving

These items have to be taken together in order to compare them with the items, Power House and Car Sheds, Offices and equipment in or linel estimate. The saving here is mainly due to dispensing with power house - Vide Table II.

Rolling Stock - Saving

This is due partly to a reduction in the price of the cars estimated upon and partly to dispensing with Road Sprinkler (the cost of latter in the former estimate being £800.

As shown above the total reduction under the revised estimates is £12760.

At the date of preparing the original estimates the approximate cost of alteration of water mains and telegraph and telephone wires had not been ageertained but was subsequently found to be £4600. Also an arrangement has since been come to between the Railways Commissioners and the Councils represented on the Trust to pay £13000 for regrading the Armadale Railway line

so as to provide for the transay crossing the railway on a bridge, the Railway being lowered. Of this sum 20000 has to be raised by the Trust on account of the Municipalities but the two Municipalities concerned have to pay to the Trust the interest and sinking fund payable in respect of this sum.

As the estimate of cost of construction above given does not provide for the interest on the monies berrowed during construction either in the original or revised estimates Herers Woyes Bros recommend that 21000 be added to the total construction cost to cover this item. Although 25% on the average has been added for contingencies in respect various items enumerated in the revised estimates hesers. Moyes Bros suggest that a further sum of £2000 be added for general expenses and contingencies and reimbursement of monies expended by the Councils prior to the formation of the Trust and so provide for the born ring of a round sum of 285000. At the same time unless semething very unforseen happens they are of opinion that their revised estimate of £64400 wil be found ample to cover Qual cost of construct--ion and probably mave the bulk of the $2\frac{1}{2}\%$ included therein for contingencies (approximately £1600). Leaving out the special charges such as alteration of water mains £4600 wood blocking in Prahran 24180 and the 213000 to be borrowed as a contribution towards regrading the Rallway, the estimated cost of the Tramwey is 260220 or £9070 per mile for 6.64 miles single track. The final cost of the Brighton and St. Kilda Blectric Railway including rolling stock, was for 5.13 miles of single track £52,939 or £10320 per mile. (Vide the following table).

TABLE III.

PRAHRAN AND MALVERN TRUST TRAHWAY.

Cost of permanent way, ove	rhead (construction	
converter station a	nd plan	nt (exclusive	
of wood blocking in	Frahr	an) Car Sheds,	
and Cffices	• •	• 4	£47980
Folling Stock	• •	• •	12240
		2 o v a 1	260120
cost per mile singl	e traci	<u>ç</u>	Thirtee for the production of the figure is a second of the figur
Permanent was &c.	• •	• •	£ 7229
Pol? ng Stock	• •	•••	1840
	To ta	el cost per mile of singlo track	a 9 07 0

ST. MILDA AND BEIGHTON ELECTRIC RAILWAY

Cost of permanent way ov	er-head co	nstruction			
power house and p	lant, Car S	heds and			
Offices	••		£38929		
Rolling Stock	• • • •		14306		
		Total	£52935		
Permanent way &c.	• •	e of single tr	£ 7530		
Rolling Stock	• •	• • • •	2790		
Total cost per mile single track					
	Exce	ess per mire	£ 1250		