

CONSTRUCTION OF RAILWAYS.

5 D.—No. 6a.

Rolling Stock—	£	s.	d.
Locomotives, four, at £1,600	6,400	0	0
Passenger Carriages, six, at £300	1,800	0	0
Goods Waggons, forty, at £80	3,200	0	0
Covered ditto, six, at £105	630	0	0
Mineral ditto, six, at £80	480	0	0
Break Vans, four, at £230	920	0	0
Engineering expenses, 5 per cent.	14,779	13	6
Contingencies, 10 per cent.	29,559	7	0
<b>Total</b>	<b>£340,327</b>	<b>14</b>	<b>3</b>

JOHN ROCHFORD.

WAIKATO RAILWAY—ALTERNATIVE LINES AUCKLAND WHARF TO NEWMARKET.

No. 2.

Mr. WRIGG to Mr. BLACKETT.

SIR,—

Auckland, 15th August, 1871.

I have the honor to transmit tracings of the plan and sections of the three alternate lines as surveyed from Newmarket to Auckland, with an approximate and relative cost of each. I have attached to the estimates such notes as appeared to me desirable for your information, and have only to add that the quantities have been taken out at the slopes noted on the section, and as if the ground in cross section was level.

I am of opinion that the two small tunnels on the Coast Line will be safe with timber lining, and that they could be executed at the price per yard I have named, the material being beds of sandstone and indurated sand in horizontal layers, so that it is not probable that water will interfere with their construction.

John Blackett, Esq., Acting Engineer-in-Chief,  
Wellington.

I have, &c.,  
HENRY WRIGG.

Enclosure in No. 2.

WAIKATO RAILWAY.—Approximate and Comparative Estimate of the three alternate Lines from Newmarket to Auckland, exclusive of Stations and Sea Embankments Protection.

<i>Domain Line</i> —length, 2 miles 3 furlongs 1 chain.	£	s.	d.
Excavations, 51,760 cubic yards, at 1s. 4d.	3,450	13	4
„ 16,830 cubic yards, at 2s. 6d.	2,103	15	0
Accommodation Bridge, about	150	0	0
Foot Bridge at Constitution Hill, about	300	0	0
Timber Viaduct, about	3,280	0	0
Accommodation Bridges in Domain, say	800	0	0
Bridge at Parnell Road, about	330	0	0
Fencing and Draining, 151 chains, at £3	453	0	0
Culverts, and repairs of existing ones	180	0	0
Permanent Way, 4,202 yards, at 16s....	3,361	12	0
<b>Total</b>	<b>14,409</b>	<b>0</b>	<b>4</b>

<i>Tunnel Line</i> —length, 2 miles 1 chain.	£	s.	d.
Excavations, 10,529 cubic yards, at 1s. 4d.	701	18	8
„ 16,830 cubic yards, at 2s 6d.	2,103	15	0
Accommodation Bridge, about	150	0	0
Culvert at Mechanics Bay, about	400	0	0
Repairs to present Culvert (large)	150	0	0
Repairs to present Viaduct, say	100	0	0
491 yards of Tunnel to complete, at £30	14,730	0	0
Fencing and Draining, 55 chains at £3	165	0	0
Permanent Way, 3,542 yards, at 16s....	2,833	12	0
Small Culverts, and repairs of same	60	0	0
<b>Total</b>	<b>£21,394</b>	<b>5</b>	<b>8</b>