

Vancouver, Westminster, Northern & Yukon Ry.

Summary of estimates on lines from Westminster into Vancouver.

Frout Lake Red Line.

New Westminster Branch,	Miles.	\$
Fraser River Bridge to Central Park Road,	3.0	58,175 -
Central Park Road to Keefe & Canal Sts.	4.9	119,561 -
	4.36	210,380 -
	16.26	388,116 -
Branch to Hastings Mill.	1.90	64,390 -
Total.	18.16	452,506 -

Above is for a 30 ft cut with 1.1 p.c. grade,
For 30 ft cut with 1.2 p.c. grade,

27 1/2 ft	1.2	Total.	451,708 -
27 1/2 ft	1.1		443,368 -
27 1/2 ft	1.0		445,225 -
25 ft	1.2		446,383 -
25 ft	1.1		437,281 -
25 ft	1.0		435,870 -
			433,873 -

Mr. Mason's Red Line, with cut and fill

New Westminster Branch,	Miles.	\$
Fraser River Bridge to Central Park Road,	3.0	58,175 -
Central Park Road to Keefer & Canal Sts.	9.22	122,571 -
	4.20	269,027 -
	16.42	449,773 -
Branch to Hastings Mill.	1.90	64,390 -
	<u>18.32</u>	<u>514,163 -</u>

Mr. Mason's Yellow Line, crossing Electric Ry level,

New Westminster Branch,	Miles.	
Fraser River Bridge to Central Park Road,	3.0	58,175 -
Central Park Road to Keefer & Canal Sts	8.9	119,561 -
Construction as before \$64,588	4.42	154,829 -
Right of Way increased to 90,241	16.32	332,565 -
Branch to Hastings Mill.	2.52	69,450 -
	<u>18.84</u>	<u>402,015 -</u>

Trout Lake Red Line.

From Central Park Road to Vancouver City Boundary.
Distance 1.57 miles. (8300 ft).

Clearing.	@ \$1,000 ⁰⁰ p.mile.	\$1,570	
17,700 Yds Earth.	20 ^c p. yd.	3540	
Culverts.		785	
4150 Ties.	25 ^c each.	1,038	
179 Tons Rails.	30 ⁰⁰ p. ton.	5,370	
Fastenings.	390 ⁰⁰ p.mile.	612	
Spikes.	170 ⁰⁰ "	267	
Tracklaying.	350 ⁰⁰ "	550	
Ballasting.	1,000 ⁰⁰ "	1,570	\$15,302

City Boundary to End of Cut,
with 30 ft cut and 1.1 p.c. grade.
Distance 1.40 miles. (7,400 ft).

Clearing	@ \$1,000 ⁰⁰	\$1,400.	
221,320 Yds Earth.	30 ^c	66,396	
3700 Ties.	25 ^c	925	
160 Tons Rails.	30 ⁰⁰	4,800	
Fastenings.	390 ⁰⁰	546	
Spikes.	170 ⁰⁰	238	
Tracklaying.	350 ⁰⁰	490	
Ballasting.	1,000 ⁰⁰	1,400	
Bridge at Electric Ry Crossing.		400	
Bridges at Street Crossings.		200	76,795

Forward, \$92,097

Prot. forward,

\$ 92,097

From City Boundary to End of Cut

with 30 ft cut & 1.2 grade, 218,660 Yds. \$ 75,997

✓ 27 1/2 ft ✓ 1.2 ✓ 190,860 ✓ 67,657

✓ 27 1/2 ft ✓ 1.1 ✓ 197,050 ✓ 69,514

✓ 27 1/2 ft ✓ 1.0 ✓ 200,910 ✓ 70,672

✓ 25 ft ✓ 1.2 ✓ 170,570 ✓ 61,570

✓ 25 ft ✓ 1.1 ✓ 165,866 ✓ 60,159

✓ 25 ft ✓ 1.0 ✓ 159,210 ✓ 58,162

30 ft cut with 1.0 grade cannot be
used on account of cutting into
swamp at upper end.

End of Cut to Westminster Avenue.
Distance 0.95 miles. (5,000 ft).

Clearing 1/4 mile.	\$ 1,000 ⁰⁰	\$ 250
19,000 Yds Earth.	20 ⁰⁰	3,800
Culverts.		500
2500 Ties.	25 ⁰⁰	625
108.3 Tons Rails.	30 ⁰⁰	3,249
Fastenings.	390 ⁰⁰	370
Spikes.	170 ⁰⁰	162
Tracklaying.	350 ⁰⁰	333
Ballasting.	1,000 ⁰⁰	950
Street Bridges (2).		400
		10,639

Forward, \$ 102,736

Frout Lake Red Line.

Brot. forward,

\$102,736

From Westminster Avenue to Keefer Canal Sts.

Distance 0.44 miles,

2300 lin. ft trestle.	@ 3 ⁵⁰	\$ 8,050	
Draw Bridge (10 ft water at low tide 12 ft raise of tide, soft bottom).		7,500	
48.4 tons Rails.	30 ⁰⁰	1,452	
Fastenings.	39 ⁰⁰	172	
Spikes.	17 ⁰⁰	75	
Track laying.	35 ⁰⁰	154	17,403

120,139

Estimated cost of Right of Way
from Central Park Road to corner
of Keefer & Canal Streets.
(exclusive of Royal City Mills).

90,241

Total estimated cost of right of way
and construction from Central Park Road
to cor. Keefer & Canal Sts, Vancouver,
via Frout Lake.

\$ 210,380. —

Branch to Hastings Mill on Burrard Inlet.

Distance 1.9 miles, (10,000 ft).

4500 Lin. ft Trestle.	@ 4 ⁰⁰	\$ 18,000	
Culverts.		500	
2750 Vies	25 [¢]	688	
216.6 Tons Rails.	30 ⁰⁰	6,498	
Fastenings.	39 ⁰⁰	741	
Spikes.	170 ⁰⁰	323	
Tracklaying.	35 ⁰⁰	665	
Ballasting, 1.2 miles.	1,000 ⁰⁰	1,200	
9,000 Yds Earth.	20 [¢]	1,800	
Crossing Electric Ry.		100	
Crossing Canadian Pacific Ry.		200	30,715
Estimated cost of Right of Way.			33,675
			\$ 64,390. —

Mr Mason's Red Line.

From Central Park Road to Vaner City Boundary.
Distance 1.53 Miles. (8100 ft).

Clearing.	\$ 1,000 ⁰⁰ p mile.	\$ 1,530	
64,532 Yds Earth.	30 [¢] p yd.	19,360	
32,160 " "	20 [¢] " "	6,432	
Culverts.		750	
4050 Ties.	25 [¢] each.	1,012	
174.4 Tons Rails.	30 ⁰⁰ p ton.	5,232	
Fastenings.	390 ⁰⁰ p mile.	597	
Spikes.	170 ⁰⁰ " "	260	
Tracklaying.	350 ⁰⁰ " "	536	
Ballasting.	1,000 ⁰⁰ " "	1,530	
5 Bridges on street crossings			
= 500 ft @ 25 [¢] p ft.		1,250	38,489

City Boundary to End of big cut.
Distance 0.53 miles. (2800 ft).

Clearing.	\$ 1,000 ⁰⁰	\$ 530	
77,382 Yds Earth.	30 [¢]	23,214	
Culverts.		20	
1400 Ties.	25 [¢]	350	
60.4 Tons Rails.	30 ⁰⁰	1,812	
Fastenings.	390 ⁰⁰	207	
Spikes.	170 ⁰⁰	90	
Tracklaying.	350 ⁰⁰	185	
Ballasting.	1,000 ⁰⁰	530	
Bridges on street crossings			
= 500 ft @ 25 [¢]		1,250	28,188
Slopes in cut 1 to 1.			
Forward,			66,677

Brot. forward,
End of Big Cut to end of grade line at False Creek,
Distance 1.231 Miles. (6,500 ft).

\$ 66,677

Clearing.	@ 1,000 ⁰⁰	\$ 1,231	
5100 lin. ft Pile Trestle.	4 ⁵⁰	22,950	
Bridges at street crossings.		17,500	
140.3 Tons Rails.	30 ⁰⁰	4,209	
Spikes.	170 ⁰⁰	209	
Fastenings.	390 ⁰⁰	480	
Tracklaying.	200 ⁰⁰	246	46,825

End of grade to Westminster Avenue,
Distance 0.91 miles. (4,800 ft).

4500 lin. ft Pile Trestle.	@ 3 ⁵⁰	\$ 15,750	
600 Yds Earth.	20 ⁰⁰	120	
104 Tons Rails.	30 ⁰⁰	3,120	
Spikes.	170 ⁰⁰	155	
Fastenings.	390 ⁰⁰	355	
Tracklaying.	200 ⁰⁰	182	
Crossing Electric Ry. (Westminster Ave).		100 -	19,782

Westminster Avenue to Keefer & Canal Sts
 as shown on Front Lake line,

17,403

Estimated cost of Right of Way.

150,687

118,340

Total estimated cost of right of way
 and construction from Central Park Road
 to cor. Keefer & Canal Sts. via Mr. Mason's Red line.

\$ 269,027

Estimate,

Branch to Hastings Mill from
Mr. Mason's Yellow Line.

Distance 2.52 Miles. (13,300 ft).

4500 Lin. ft Trestle.	@ 4 ⁰⁰	\$ 18,000 -
Culverts.		600
4400 Ties.	25 [¢]	1,100
287.3 Tons Rails.	30 ⁰⁰	8,619
Fastenings.	2.52 miles 390 ⁰⁰	983
Spikes.	2.52 " 170 ⁰⁰	428
Tracklaying.		945
Ballasting.	1.82 "	1,820
14,900 Yds Earth.	20 [¢]	2,980
Crossing C. P. Ry.		200
Crossing Electric Ry. (Cornell St.).		100
		35,775
Estimated cost of Right of Way.		33,675
		\$ 69,450 -

Mr. Mason's Yellow Line extended
west along False Creek.

Distance 0.6 miles, (3168 ft).

3168 Lin. ft Pile Trestle. @ 4 ⁰⁰	\$ 12,672
68.4 Iron Rails @ 30 ⁰⁰	2,052
Fastenings @ 39 ⁰⁰	234
Spikes. @ 17 ⁰⁰	102
Tracklaying.	120
	15,180
Estimated cost of Right of Way.	50,000
	\$ 65,180 -

Material can be taken from the big cut,
if made, to fill in here for yard -