

CONTRACT No. 15.

CANADIAN PACIFIC RAILWAY.—Grading, &c., Cross Lake to Rat Portage; Ballasting, &c., Red River to Rat Portage. Estimate shewing (approximately) the work to be done upon this contract on 22nd March, 1879.

ESTIMATED APPROXIMATE QUANTITIES AND COST TO COMPLETE.

Description of Work.	Quantities.	Rate.		Amount.	
		\$	cts.	\$	cts.
Clearing.....	per acre.	23 83	30 00	714	90
Close cutting.....	do	7 93	50 00	396	50
Grubbing (including side ditches).....	do	11 80	80 00	944	00
Solid rock excavation.....	per c. yd.	183,270	2 75	503,992	50
Loose do.....	do	13,289	1 75	23,255	75
Earth excavation (including borrowing).....	do	1,433,114	0 37	530,252	18
Excavation in off-take ditches beyond railway limits.	do	12,736	0 45	5,731	20
Under-drains.....	per 100 l. ft.	3,942	55 00	2,168	10
Tunnelling for railway (sectional area equal to 15 cubic yards to the lineal foot).....	per l. ft.	44	30 00	1,320	00
20-foot tunnels for streams (12 cubic yards per lineal foot).....	do	200	26 00	5,200	00
12-foot tunnels for streams (4 cubic yards per lineal foot).....	do	200	14 00	2,800	00
8-foot tunnels for streams (2 cubic yards per lineal foot).....	do	502	9 00	4,518	00
6-foot tunnels for streams (1 cubic yard per lineal foot).....	do	1,460	7 00	10,220	00
Bridge masonry.....	per c. yd.	2,400	11 00	26,400	00
Rip-rap.....	do	1,000	2 00	2,000	00
Square timber, 12 inches by 12 inches.....	per l. ft.	32,882	0 30	9,864	60
do 12 do 9 do.....	do	686	0 28	192	08
do 9 do 9 do.....	do	36,810	0 25	9,202	50
do 9 do 8 do.....	do	13,422	0 25	3,355	50
do 9 do 4 do.....	do	2,916	0 20	583	20
Piles, driven.....	do	3,000	0 50	1,500	00
Pine plank.....	per M. B. M.	15,578	25 00	389	45
Hardwood plank.....	do	3,680	20 00	73	60
Wrought iron, including bolts, spikes, straps, &c.....	per lb.	26,937	0 13	3,501	81
Cast iron.....	do	12,885	0 10	1,288	50
Ties.....	No.	3,335	0 40	1,334	00
Track-laying.....	per mile.	46.5	290 00	13,485	00
Ballasting.....	per c. yd.	242,678	0 33	80,083	77
Points and crossings.....	sets.	26	10 00	260	00
Total amount.....				\$1,245,027	14

CANADIAN PACIFIC RAILWAY,

OFFICE OF THE ENGINEER-IN-CHIEF,

OTTAWA, May 22nd, 1878.

SIR.—Mr. Whitehead, on the 6th of November last, proposed by letter addressed to Mr. Rowan, which letter is herewith enclosed, to complete the roadway on Section 15 with permanent rock and earth embankments throughout, in lieu of the wooden trestle-work, which was originally proposed to be built in many places. He proposes to find all the material required for making the solid embankments at the contract