

APPENDIX IV.

(Specimen Preliminary Report.)

Societe National des Chemins de fer Vicinaux.

VICINAL LINE from Binche—St. Vaast (Wazoir) to Haine—St. Pierre.—Length, 11 km. 100 m.
Gauge, 1 m. Capital, 1,275,000 fr. Cost per km., 115,000 fr.

MEMOIR DESCRIPTIVE.

ELECTRIC TRACTION.

(1.) *Description of the Line.*

The line projected, of a gauge of 1 metre, will commence in the Merbes Street at Binche, close to the State railway; from this point along the road called Roelux [*to the cemetery*]. It will connect with the existing line Binche—Bracquegnies. Then it will separate to follow Brussels Street and the road to Morlanuez, up to the castle Evence Coppee. It passes close to the graves of St. Barbara and St. Albert. Rejoining [*here follows a complete detailed description of the route as in a centre-line Proclamation*].

After detailed study of the conditions of working we will determine at which points it will be most suitable to fix the stopping-places so as to serve in the best manner all the interests along the route.

It is believed by some that the route described can be modified during the detail examination on the ground.

No generating-station will be erected. The line will be supplied, like those of Centre II and that from La Louviere to Binche, with current from the works of the Gas and Electricity Company of Hainaut a Bascoup.

(2.) *Utility of the Line.*

On the smallest valuation the following is the population to be served :—

Binche	12,125 inhabitants, one-fourth served = 3,031
Wandrez	1,329 inhabitants, one-fourth served = 332
Ressaix	2,869 inhabitants, one-fourth served = 717
Peronnes (charcoal-works) ..	2,848 inhabitants, one-third served = 949
Haine—St. Pierre	6,582 inhabitants, one-fourth served = 1,645
Haine—St. Paul	7,125 inhabitants, one-third served = 2,375
St. Vaast	1,666 inhabitants, one-third served = 555
Houding Aimeries	7,469 inhabitants, one-eighth served = 933
Crivieres	2,396 inhabitants, one-third served = 798

11,335

This gives 1,030 inhabitants per kilometre of line.

The industrial importance of the localities to be served—Ressaix, Peronnes, Haine—St. Pierre, Crivieres, Bois du Lue, and Strepy—Bracquegnies—permit the expectation of considerable traffic.

Only passenger traffic is to be catered for.

(3.) *Estimates of Costs.*

	Francs.
(a.) Acquisition of land	60,000
(b.) Earthworks	18,000
(c.) Structures (culverts, aqueducts, &c.)	8,000
(d.) Paving	22,450
(e.) Permanent-way	347,165
Laying connection to existing line	20,000
(f.) Buildings and notice-boards	50,800
Electrical equipment	15,000
(g.) Rolling-stock :—	
10 motor-carriages at 18,000 fr.	180,000
8 trailer-carriages at 7,500 fr.	60,000
(h.) Overhead wires	192,900
Sub-station	40,000
Feeder cables and return ditto	50,000
Connection with other lines	16,500
(i.) Miscellaneous :—	
Participation in general expenses of National Society, survey, engineering during construction	81,982
Interest during construction, losses, &c.	14,467
Contingencies	97,735
Total	1,275,000

This equals 115,000 fr. per kilometre.