

LIMA LOCOMOTIVE WORKS, INCORPORATED
17 East 42nd Street
New York City

April 2, 1924.

Col. Lee H. Landis, Gen. Mgr.,
Alaska Railroad,
Room 6127, Interior Dept.,
Washington, D. C.

Dear Sir:-

Referring further to your letter of March 12th regarding your locomotive requirements, I enclose 3 copies of specification A-1822 which we have prepared to cover the locomotive you have outlined.

This specification provides a locomotive which will keep within your weight limitation of 42,000 lbs. per axle. In accordance with your request, we have specified a 66" straight top boiler and a grate area of $56\frac{1}{2}$ sq. ft.

We have also specified a Booster in conjunction with a 42" diameter trailing wheel. In order to produce a locomotive of the proper proportions I think that it would probably be better to arrange for Booster with bushed cylinders instead of using the reducing valve. We have gone into this matter very carefully and it is the opinion of our Engineering Department as well as of the manufacturers of the Booster that this would be the most preferable arrangement.

We have provided a locomotive of the tractive power required and in order to keep within your weight limitations we have felt it advisable to reduce the diameter of the driving wheels to 51". It would be impossible to keep to the 57" wheel and provide a locomotive of the necessary tractive power and still keep within your weight limitations, unless the diameter of the boiler was reduced to such an extent that the locomotive would not be able to furnish sufficient steam for the cylinders.

The enclosed specification provides for a locomotive with 100% boiler and 100% grate and taking into consideration the poor grade of fuel which you will use and the extreme temperature under which the locomotive will be operated we feel that we have developed an engine which would give you very satisfactory service.

After you have had a chance to look this specification over I would be very glad indeed to call upon you in Washington or if you expect to be in New York and advise me I would be glad to call upon you and discuss the matter in detail.

When you are ready to consider a proposition I would be very glad indeed to have figures prepared and submit quotation to you.

Col. Lee H. Landis, Gen. Mgr. -2-

April 2, 1924.

We are very anxious indeed to secure your order and I trust that the enclosed specification meets your views, but if there are any changes please let me know and we will be very glad indeed to revise this specification as you may prefer.

Very truly yours,

(Signed) J. E. DIXON

Vice-President.

GWA: P
Encl.