

**From:** Jason Kenny [REDACTED]  
**Sent:** 10 February 2017 21:48  
**To:** National Planning Framework  
**Subject:** Dublin Shannon 45mins

### **Dublin Shannon via Limerick in 45 minutes**

Build cost based on TGV Paris to Bordeaux is €15m per kilometre.

Cost estimated €2.5 billion (€3.5-4 billion with a Luas frequency of trains added later).

Passengers via Shannon Airport usage 3 million per year vs Dublin 9 million-2050 projections required.

Commuters Dublin Limerick 700 per train up to a max 14,000-18,000 peak hour or 40,000 including airport est. €400K per day or €146m per year or €1.4 billion per decade.

No crossings, new train lines have significantly less maintenance and be future planned for remote pilots of the trains traffic control with no drivers required.

This should be the first Luas of the towns and cities and planning of stations and lines based on the requirement for the next 100 years.

The maximum train frequency will be every 3 minutes.