



12. Extension of the FGC Llobregat-Anoia in Barcelona

Municipality

Barcelona

Project objectives

The extension of FGC Line 8 between Plaça Espanya and Gràcia will allow:

- Improvement and expansion of the cover by public transport of the Eixample Esquerre, in a densely populated area with various important amenities.
- Improvement of the rail connections of the neighbourhood of Gràcia.
- Facilitation of a more direct access for users of the FGC Llobregat-Anoia line towards the city centre, which to date had to be done by transferring to the Metro (L1 or L3).
- Increase the line's connectivity through new stations, which will enable interchanges with L5, the tram and other FGC lines.

Main points to highlight

- This is an action with a high social and economic return taking into account the investment that it represents and the benefits it will bring.
- It will benefit 19 M travellers per year and another 14 M travellers per year can be attracted, new public transport users meaning a reduction in the use of private vehicles.
- It will allow savings in terms of journey time, reduce operating costs and contribute to the decongestion of urban traffic.

Project description

The proposal for the extension of the Llobregat-Anoia line between the Plaça Espanya and Gràcia stations consists of the construction of 4.1 kilometres of new line, with an estimated budget of €321 M and it will consist of two independent tunnels measuring 6.7 metres in diameter which will be executed using a tunnelling machine.

The extension will feature four stations adapted for people with reduced mobility, of which three will be of new construction, while that of Plaça Espanya will be remodelled. The stations will be:

- Hospital Clínic, on Carrer Comte d'Urgell, between Rosselló and Còrsega, which will allow interchange with Metro L5.
- Francesc Macià, on Carrer Comte d'Urgell between Buenos Aires and Plaça Francesc Macià, which will facilitate interchanges with the Trambaix.
- Gràcia, on Travessera de Gràcia, between Balmes and Via Augusta, with a connection with the Barcelona-Vallès FGC line.
- At Plaça Espanya, the work will involve the remodelling of the entrance hall of the existing FGC station, and of the interchange with Metro L1 and L3.

In the year 2014 the information study was drawn up along with the environmental impact study and it was subjected to the public information process.

During 2015, the dossier's public information process is being resolved and this will be followed by the start of the drawing up of the corresponding construction project for the definition and evaluation of the works to be executed.



Key economic and technical details

- Total investment: €321 M
- Length: 4.1 km (4% of the current length of the line)
- Start of the current FGC station at Plaça Espanya (Llobregat Anoia Line)
- Tunnels: 2 independent single-track tunnels with a diameter of 6.7 m and a useful section of 6 m
- Number of stations: 4 (side platforms)
- 69,521 travellers/day (with induction and attraction)
- Internal Socio-Economic Return Rate of 9.46% and a Current Net Value of €263 M
- Approximate estimate of the duration of the works: 4 years

Website for reference

www.infraestructures.cat

Head of project

Joan Lluís Quer Cumsille, CEO and managing director of Infraestructures Ferroviàries de Catalunya