

GIS TECHNOLOGY APPLIED ON AN URBAN MOBILITY PROPOSAL

Aplicación de tecnologías GIS para una propuesta de movilidad urbana

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SUMMARY & GLOBAL TO URBAN GEOGRAPHICAL SITUATION

MOBILITY

OBJECTIVE: URBAN SUSTAINABILITY CRITERIA TO PROMOTE MASS TRANSIT

- To promote peripheral transfer travel nodes instead of metropolitan area transference.
- Recovering and improving the value of the subway and railway use.

DEVELOPMENT TASKS: FIELD SURVEY ACTIVITIES+ GIS ANALYSIS

- Traffic volume database, plot land use and identification of commercial uses.
- Analysis through GIS: Q_Gis, University of Salzburg.
- Graphic and results: plans, street sections and 3d models.

CONCLUSION: INTEGRAL PRESERVATION OF THE URBAN ENVIRONMENTAL QUALITY

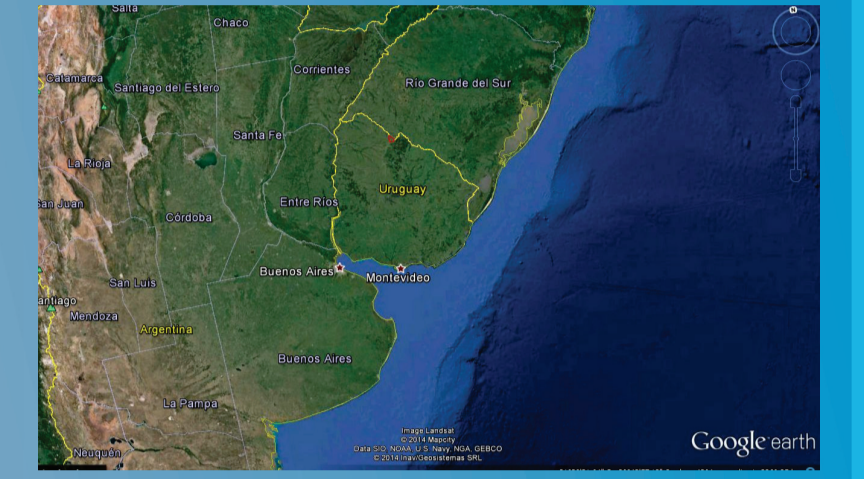
- Order and reduction of the road traffic volume on the rush hours.
- Presentation of 3 alternatives for mass transit segregation: a. **exclusive lanes**, b. infrastructure for BRT routes (known locally as Metrobus) and c. LRT (light rail) systems.
- Priorities for the decision: lower costs, shorter time for construction and execution, new bus stops infrastructure and their re-ordering separation in a one-per-block scheme.
- Image of unity and continuity: street furniture, lighting, new plant species, and sequence of landmarks.

LOCALIZATION

Urban Mobility Study in Argentina, Buenos Aires City, Belgrano's Neighborhood, 5 km over 'Cabildo' Ave.



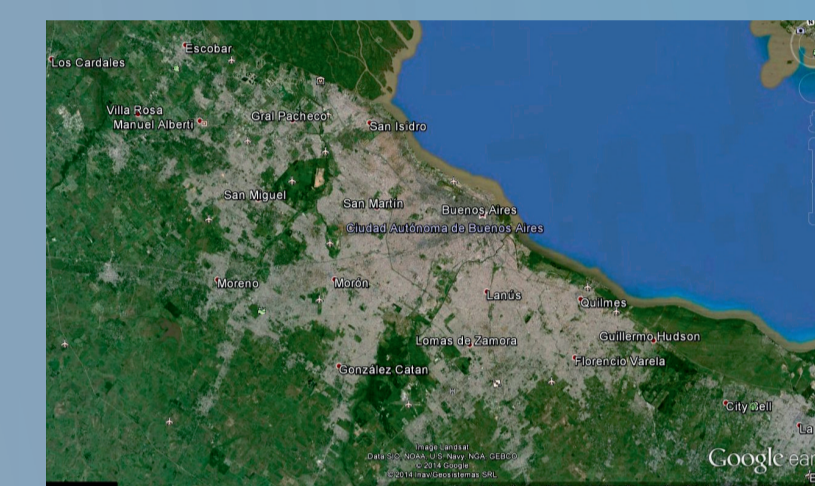
South America



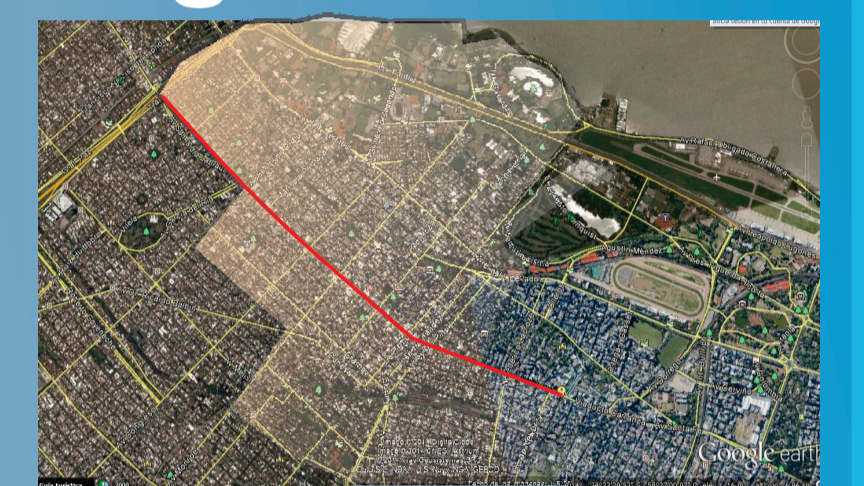
Argentina

DESIGNED FOR

Buenos Aires Government, 13th District.



B.A. City

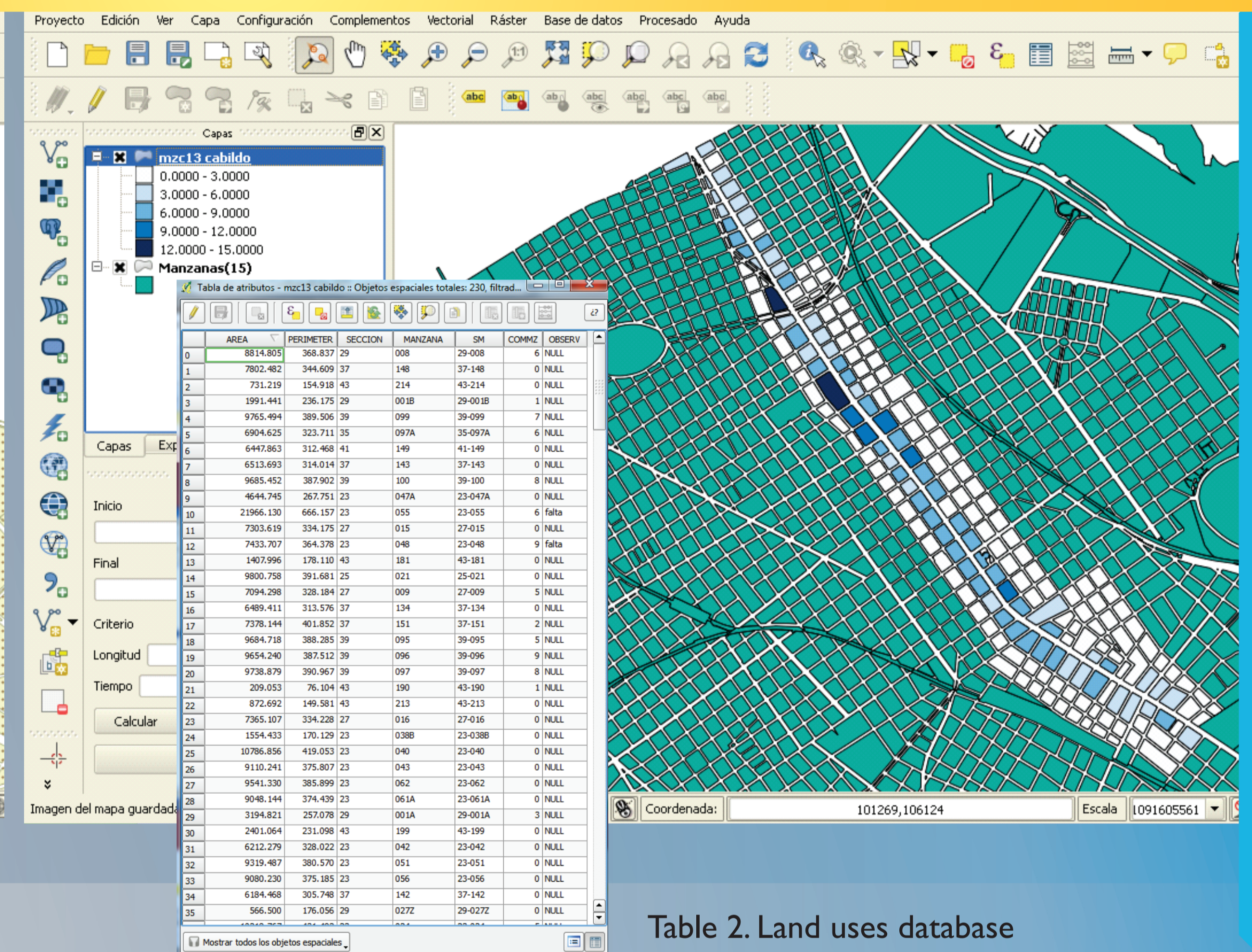
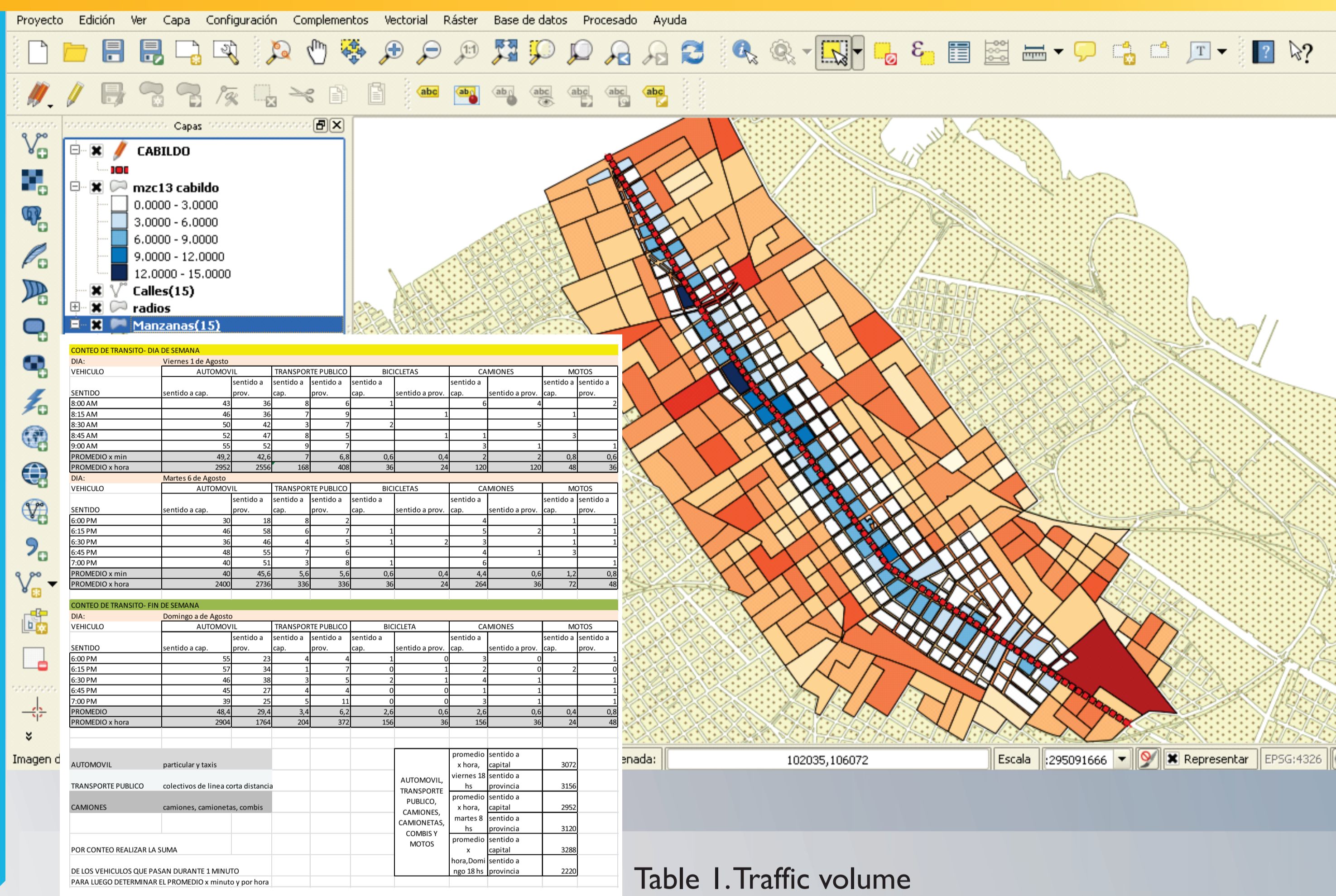


13th. District

URBANISM

Q:GIS ANALYSIS: Mass Transit Offer (residential uses + bus) & Trip generation (commercial attraction)

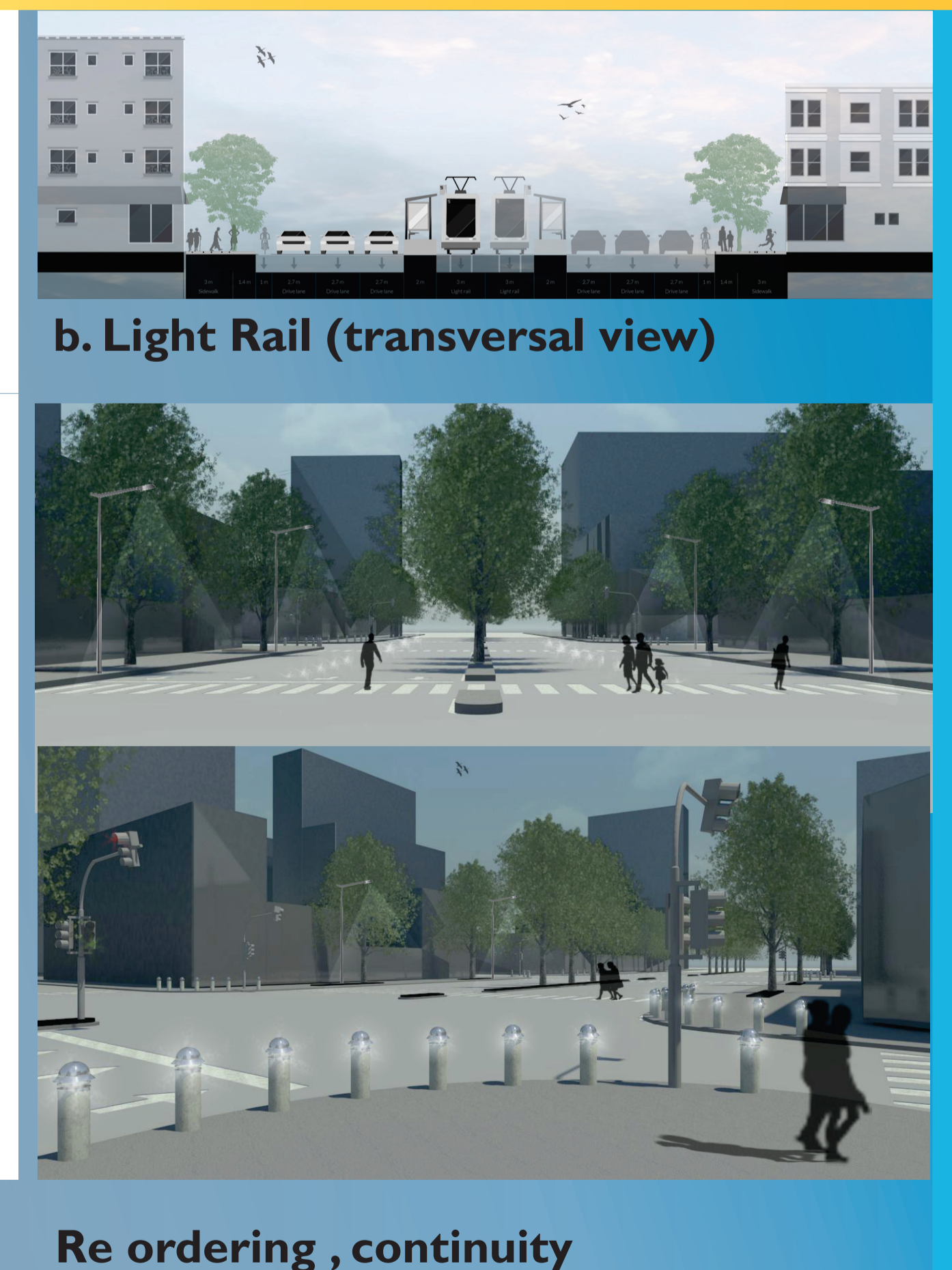
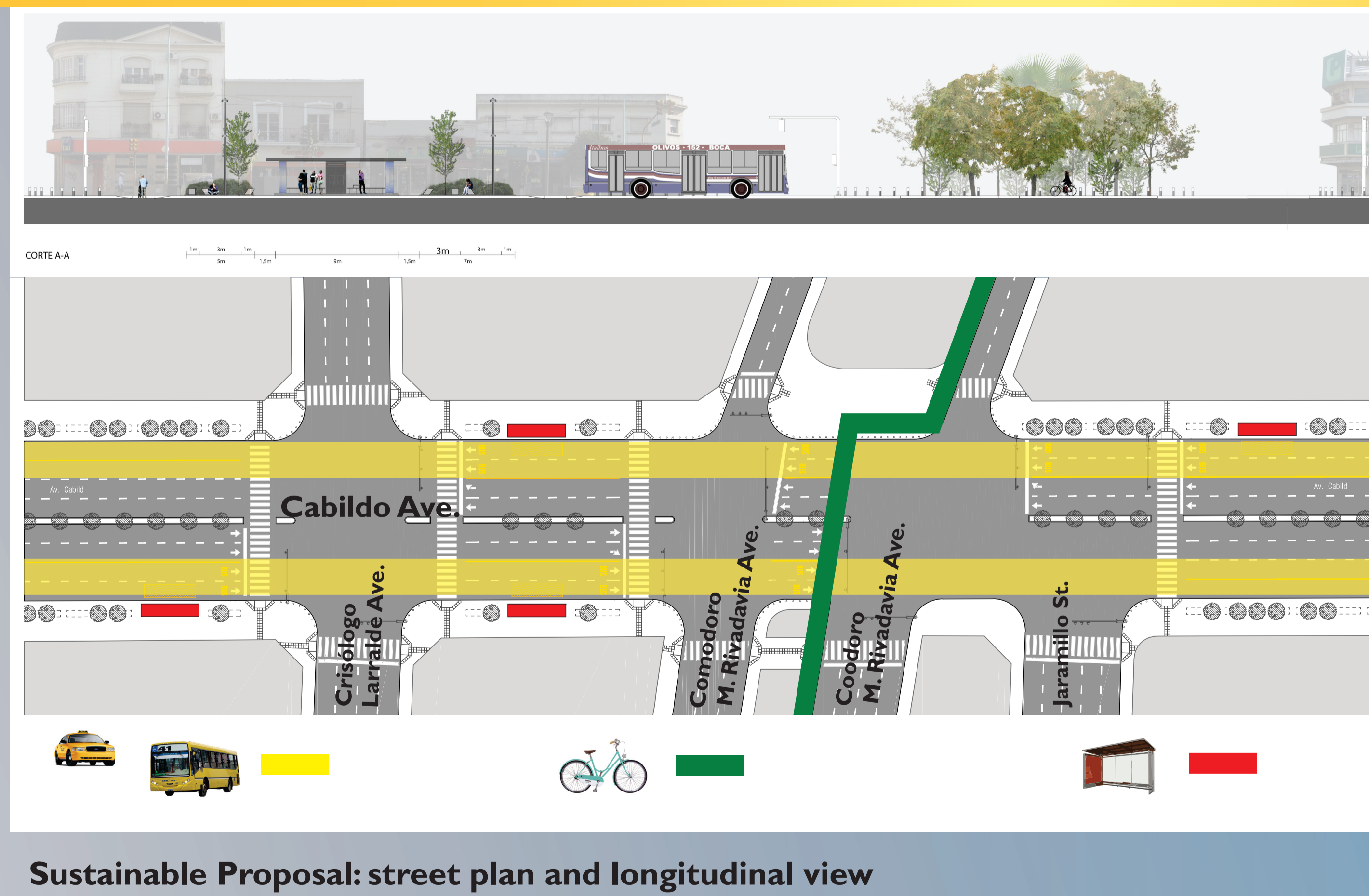
TECHNOLOGY



ENVIRONMENT

PROPOSAL: Mass Transit Segregation (a. Segregated Lanes; b. Bus Rapid Transport; c. Light Rail)

SUSTAINABILITY



SUSTAINABILITY