



## Project Background and Stakeholder Management

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Transport Infrastructure Ireland

# Luas Cross City

**LUASCROSSCITY**

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# LUAS CROSS CITY

## THE ROUTE


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- **Why?** Background to Luas Cross City (LCC)
- **What?** The works involved in delivering LCC
- **How?** Key Issues for the delivery phase

 [www.luascrosscity.ie](http://www.luascrosscity.ie)

 Email: [info@luascrosscity.ie](mailto:info@luascrosscity.ie)

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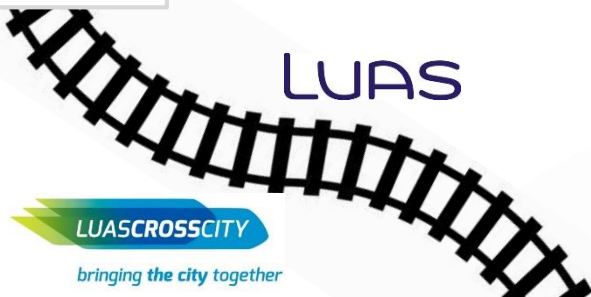
 [www.facebook.com/luascrosscity](http://www.facebook.com/luascrosscity)

 [@luascrosscity](https://twitter.com/luascrosscity)

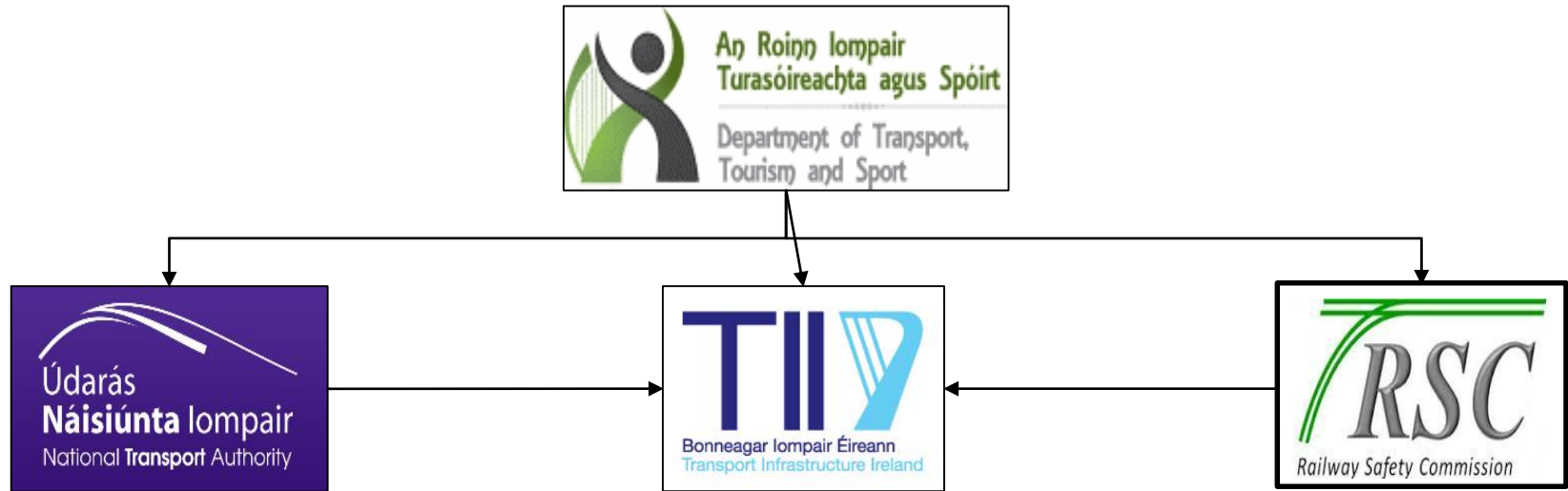
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# Transport Infrastructure Ireland (TII)



# Institutional Framework



- Strategic planning of transport
- Regulate public transport fares
- Promote cycling and walking
- Secure:
  - provision of public transport services
  - provision of public transport infrastructure

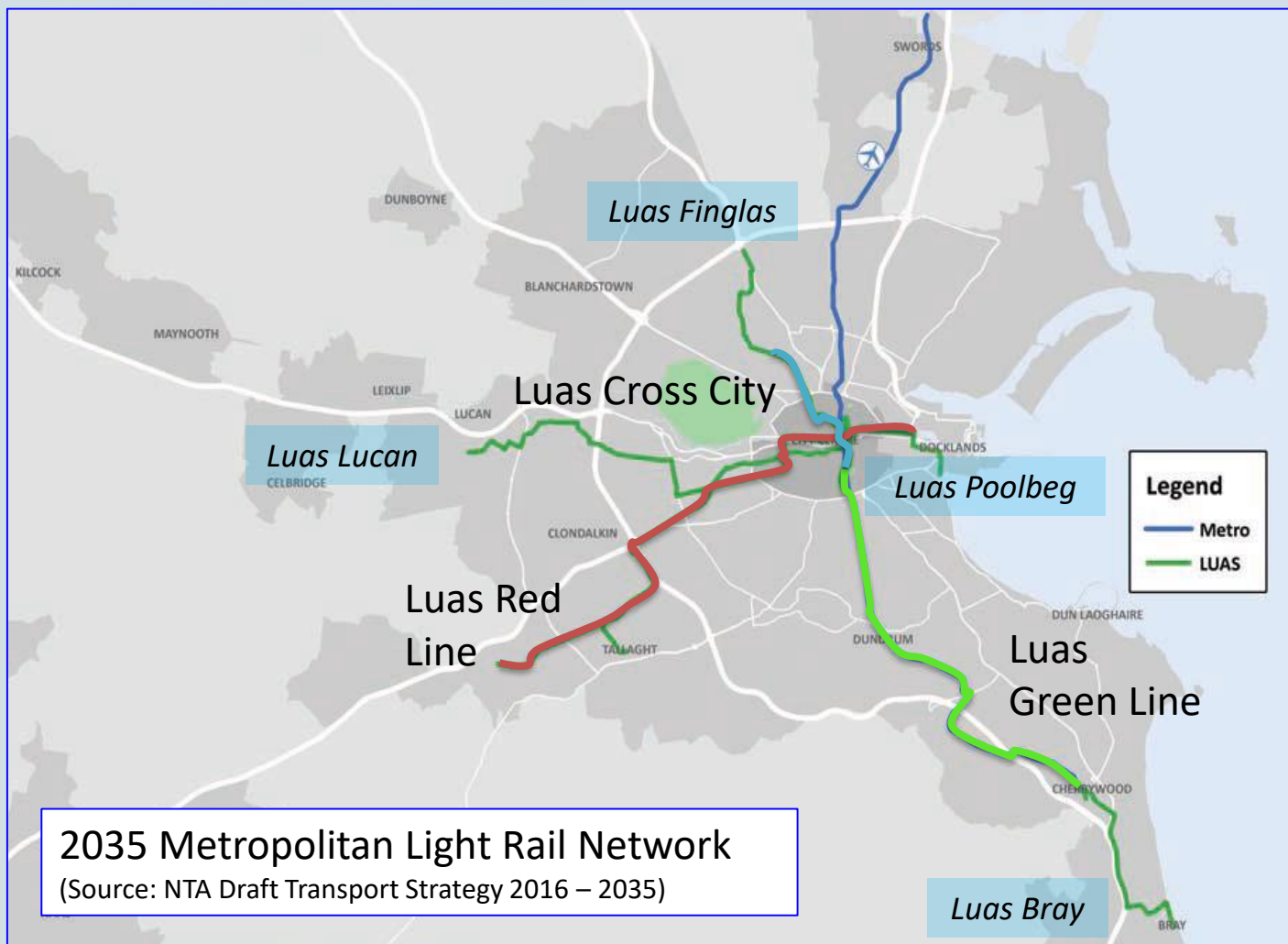
- Secure the provision of light railway and metro railway
- Enter into agreements with other persons in order to secure the provision of such railway infrastructure (concession, joint venture, public private partnership or any other means)
- Acquire and facilitate the development of land adjacent to any railway works

- Foster and encourage railway safety,
  - Enforce (the Railway Safety) Act and any other legislation relating to railway safety
  - Investigate and report on railway incidents
- (Now called the Commission for Railway Regulation, the CRR)

# NTA Transport Strategy 2016 - 2035



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## WHY DO WE NEED IT?

### IMPROVED TRANSPORT NETWORK



It will become an interchange between Luas, Bus, Rail and Taxi.

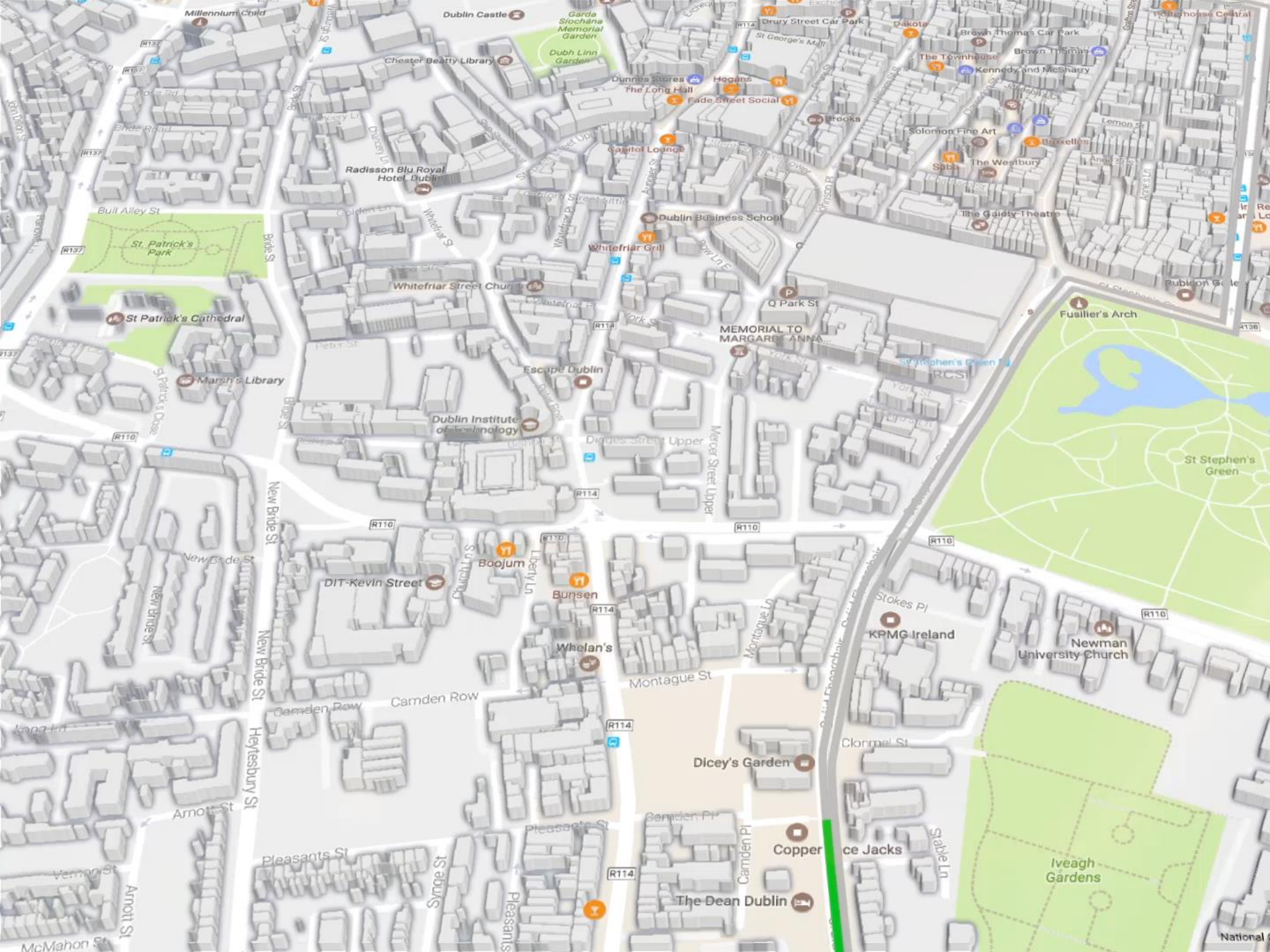
### ENVIRONMENT



There will be over 8,000,000 extra trips per annum on the Luas.

Reducing the number of private car trips by over 1,000,000 per annum.





Millennium Child

Dublin Castle

Garda Stochana Memorial Garden

Dubh Linn Garden

Chester Beatty Library

Radisson Blu Royal Hotel Dublin

St. Patrick's Park

St. Patrick's Cathedral

Marsh's Library

Whitefriar Street Church

Dublin Institute of Technology

MEMORIAL TO MARGARET ANNA

Fusilier's Arch

St Stephen's Green

DIT Kevin Street

Boozum

Bunsen

Whelan's

KPMG Ireland

Newman University Church

Dicey's Garden

Copper

Ice Jacks

The Dean Dublin

Iveagh Gardens



## Design and Construction of the Scheme

Ciaran Browne  
Transport Infrastructure Ireland

# Luas Cross City

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# Scheme Design



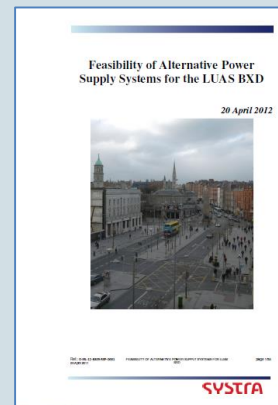
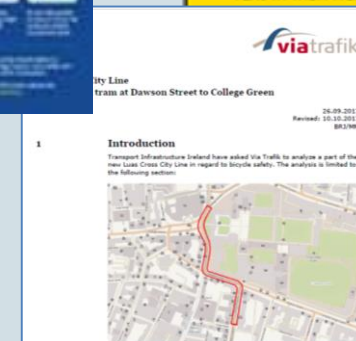
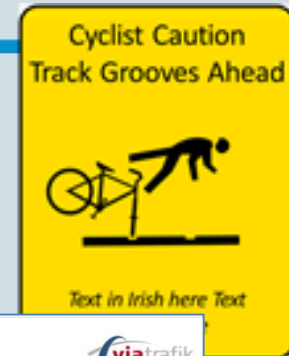
## 3 Main Phases

- Railway Order / Planning
  - By TII
- Tender Design
  - By TII
- Detailed Design
  - By TII
  - By Contractor

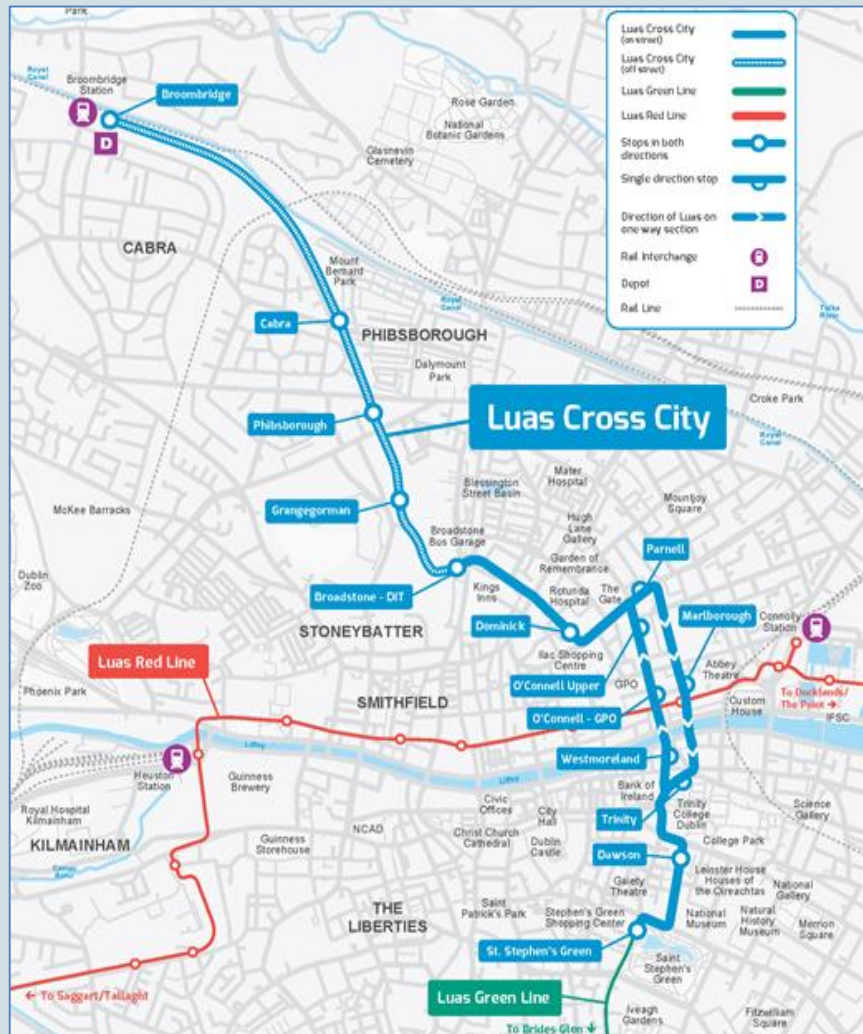
# Scheme Design

## Selected Design Issues

- Tram / Cycling Interfaces
- Overhead Wires / Alternative Technologies?
- Systems Integration



# Scheme Construction



## Main Contracts

- Heritage Works
- Cellar Works
- Utility Works
- Main Infrastructure
- Power & Systems

# Heritage Works – KN Networks Services



# Cellar Works – KN Networks Services



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# Utility Works – GMC Utilities



- c.70km of new ducting and pipe-work
- 2 km of Sewer re-lining
- Construction of 50 no. new drainage manholes
- Building Service connections



# Main Infrastructure Works – Sisk-Steconfer Joint Venture

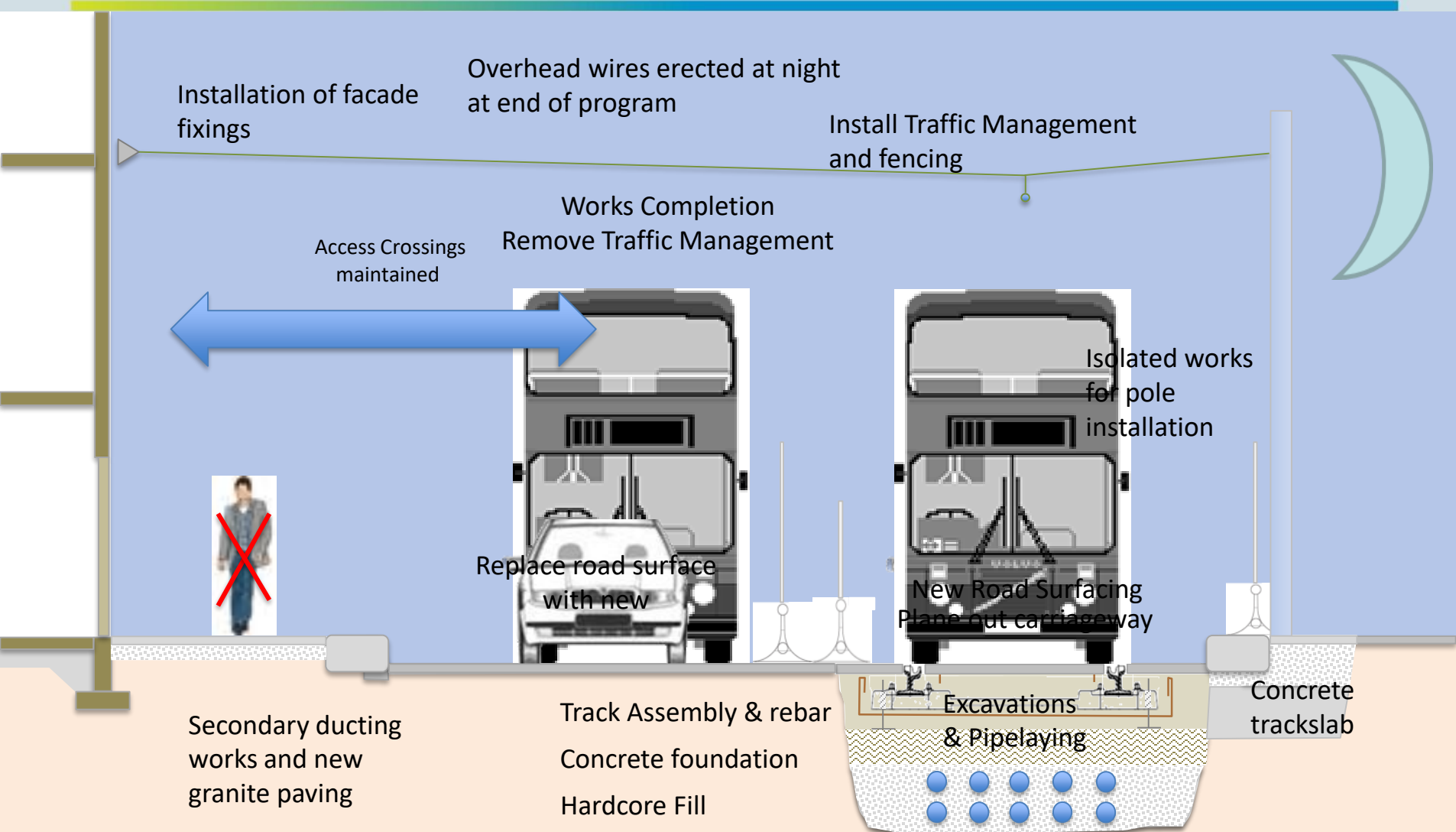


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- HV and LV ducting and chambers
- Track installation
  - Ballasted
  - Embedded Rails
- Structural Works
- Depot Construction
- Stop Construction
- Traffic Signalling
- OCS Installation

# Typical Methodology





# Key Issues for Delivery

## Site Access / Traffic Management

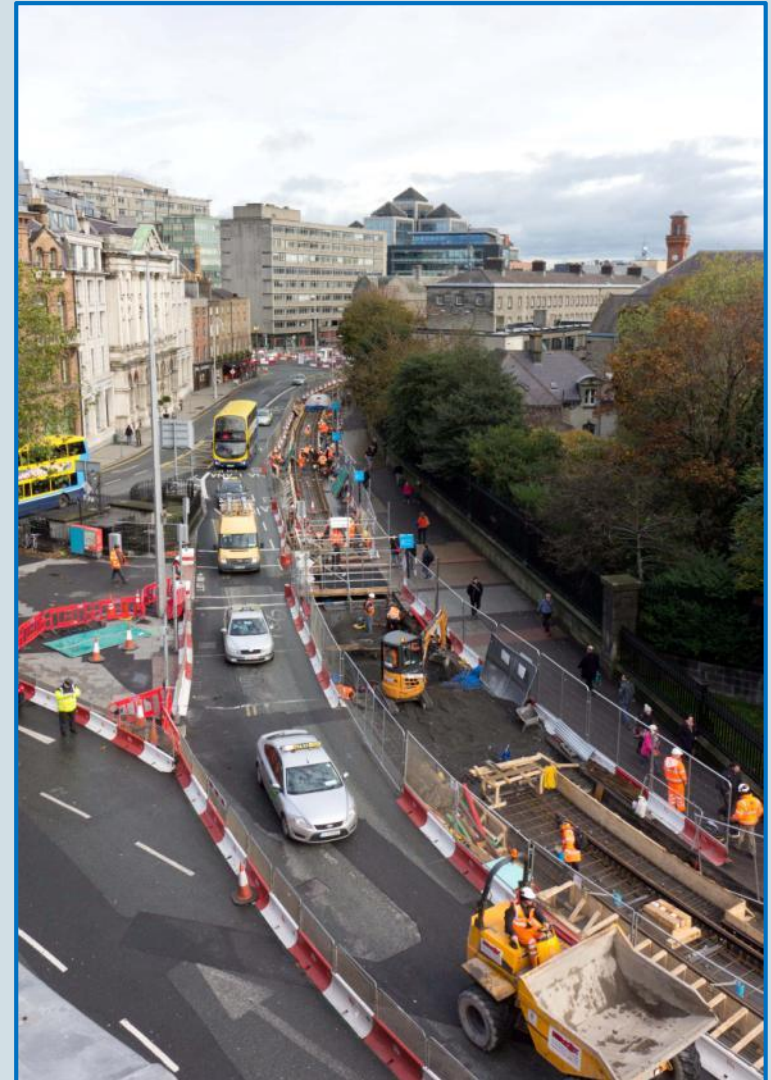
LCC Traffic Forum (~Monthly)

NTA/DCC/TII/Dublin Bus/ Bus Eireann / An Garda Síochána

LCC Traffic Group (Weekly)

NTA/DCC/TII/Dublin Bus/ Bus Eireann / An Garda Síochána

Contractors' Traffic Management Application to DCC Roadworks Control Unit



# Key Issues for Delivery

## Communications

The screenshot shows the LUASCROSSCITY website with a navigation menu (ABOUT, CONSTRUCTION, NEWS, STOPS, MAP, LCC GALLERY OF IMAGES, CONTACT US) and a search bar. The main content area features a blue banner with the text: "Luas Cross City track across the North and South Quays has now been laid." Below this is an illustration of a train on a track, with "WESTMORELAND" on the left and "O'CONNELL - GPO" on the right. A message at the bottom of the banner reads: "Thank you for your patience and co-operation during these works." Below the banner is a section titled "What Is Luas Cross City" with six bullet points:

- ✓ Construction commenced in June 2013 and it is scheduled to be in operation by the end of 2017.
- ✓ There will be an additional 10 million passenger journeys per year on this newly extended Luas network.
- ✓ The cost of this project is €368 million and it's one of the largest capital investment projects being undertaken by the government at the moment.
- ✓ It's the extension of the Luas Green line creating an interchange with the red line.
- ✓ There will be 13 new stops with 8 of these in the core city centre area.
- ✓ It will take 21 mins to travel from St Stephens Green to Cabra.

### KEY PILLARS

- **Public Office**
- **Web-site** - Traffic updates, works progress, maps
- **CRM database** – members of public and other interested parties
- **Local liaison officers** – direct contact with retailers/shops/residents
- **Sponsorships** – Local communities, Dublin Town events

# Infrastructure Testing



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# Launch of Passenger Service!!



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