



# Luas Cross City – An Overview

**Urban Tram Forum**

Lyon, 3rd & 4th November 2016

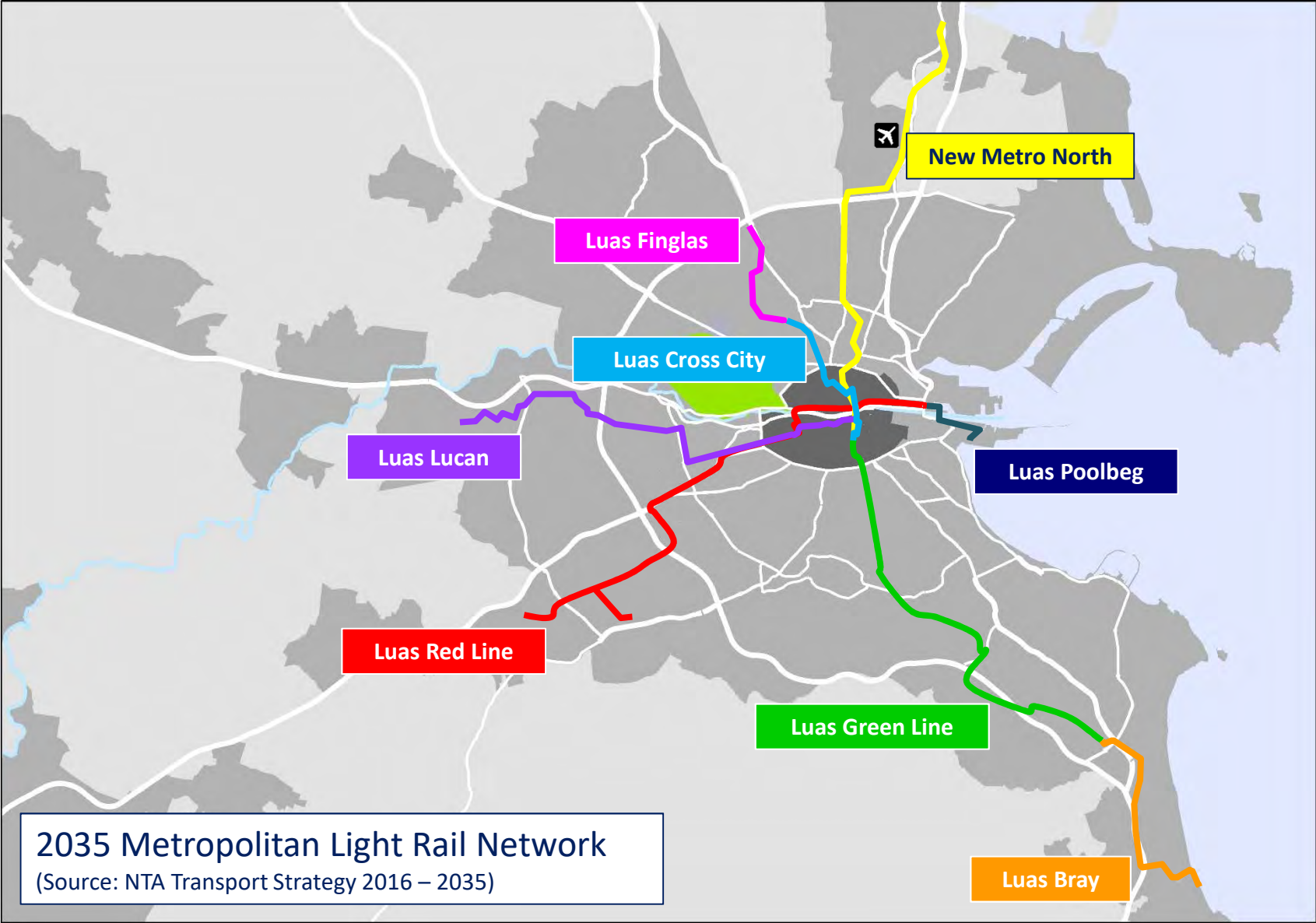
**LUASCROSSCITY**

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# NTA Transport Strategy 2016 - 2035



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# What does LCC involve?



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It has **13** new stops. **8** of these are in the core city centre area.



# What does LCC involve?



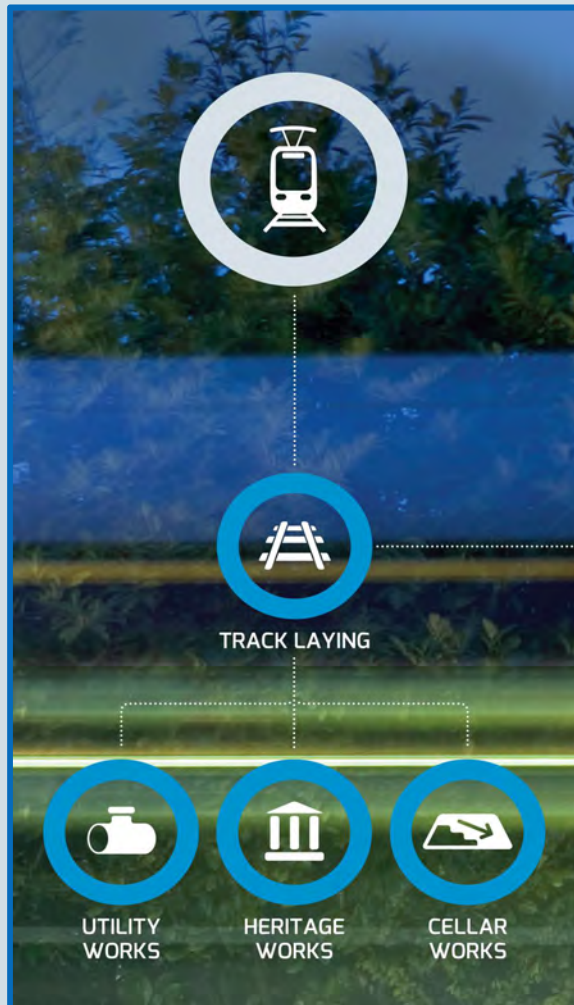
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## Luas Cross City Aerial Map



- Total route length 5.6km - equating to approximately 13.3km of single track equivalent
- 6 km off-street between Broadstone and Broombridge
- 2.1 km at Broombridge depot for tram stabling
- 5.2 km of embedded on street track in city centre

# What does LCC involve?



## Phasing of Implementation

- Enabling Works
- Main Infrastructure Works
- Tram Operations



# LCC Programme



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**Heritage Works**  
These works ensure the protection of the important statues and street features on the route of Luas Cross City. The removal of statues is necessary for their protection during the construction phase and they will be kept in storage and re-erected when the building work is complete.

**Cellar Infill Works**  
In Georgian Dublin it was common to build cellars that extended under the street in front of houses. Most of these cellars must be filled in prior to the construction of the Luas Cross City to create space for the essential diversion of utilities.

**Utilities Diversion**  
During the construction of Luas Cross City it will be necessary to divert underground pipes and cables and other services from underneath the running tracks. This is to prevent future repair or maintenance work on these services causing tram disruptions.

**Main Infrastructure Works**  
After the utilities have been diverted the new Luas tracks can be constructed, the supporting structure for the tracks built, new track laid and the surrounding roadway and footpaths reinstated.

**Electrical and Mechanical Systems**  
Electrical power, signal controls and other systems are needed to operate Luas trams. The overhead cables will be erected and the myriad of electrical and mechanical systems put in place to ensure safe operation of the system.



# Heritage Works – KN Networks Services

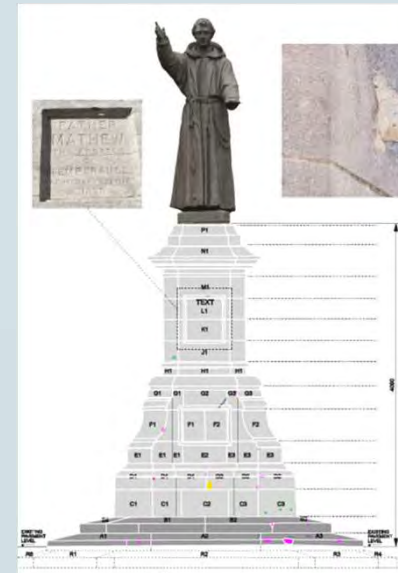
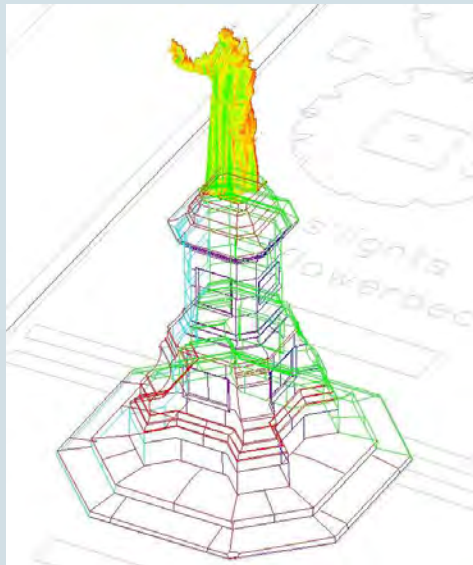


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# Heritage Works



**Father Mathew Statue**



# Pre-Condition Surveys – Thorntons



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28 Westmoreland Street, Dublin 2

## Phase 1 Pre-Work Schedule of Condition

28 Westmoreland Street, Dublin 2



Photograph 001



Photograph 002



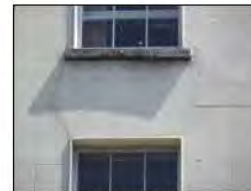
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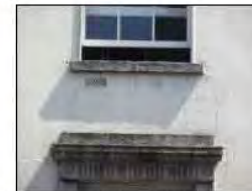
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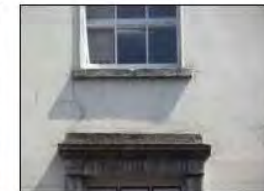
Photograph 005



Photograph 006



Photograph 007



Photograph 008



Photograph 009



Photograph 010



Photograph 011



Photograph 012

# Cellar Works – KN Networks Services



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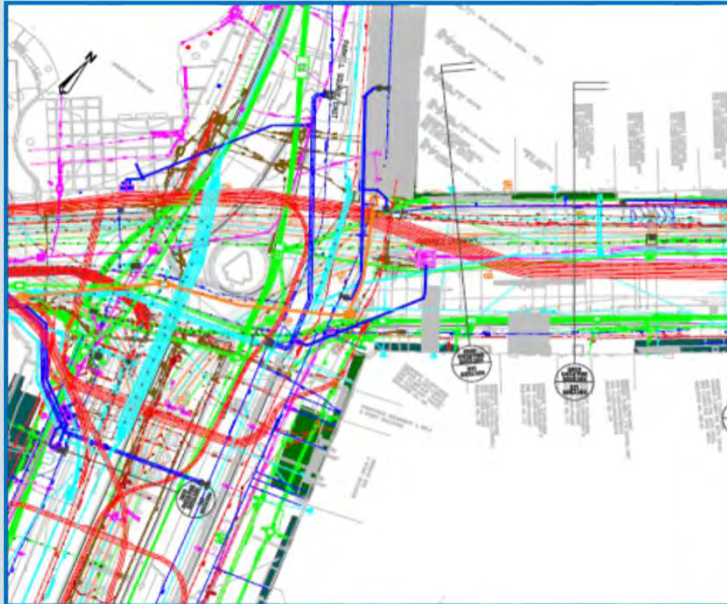




# Utility Works – GMC Utilities



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- 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

# Main Infrastructure Works



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## Broadstone Stop & Plaza area



(Source: Grangegorman Development Agency)



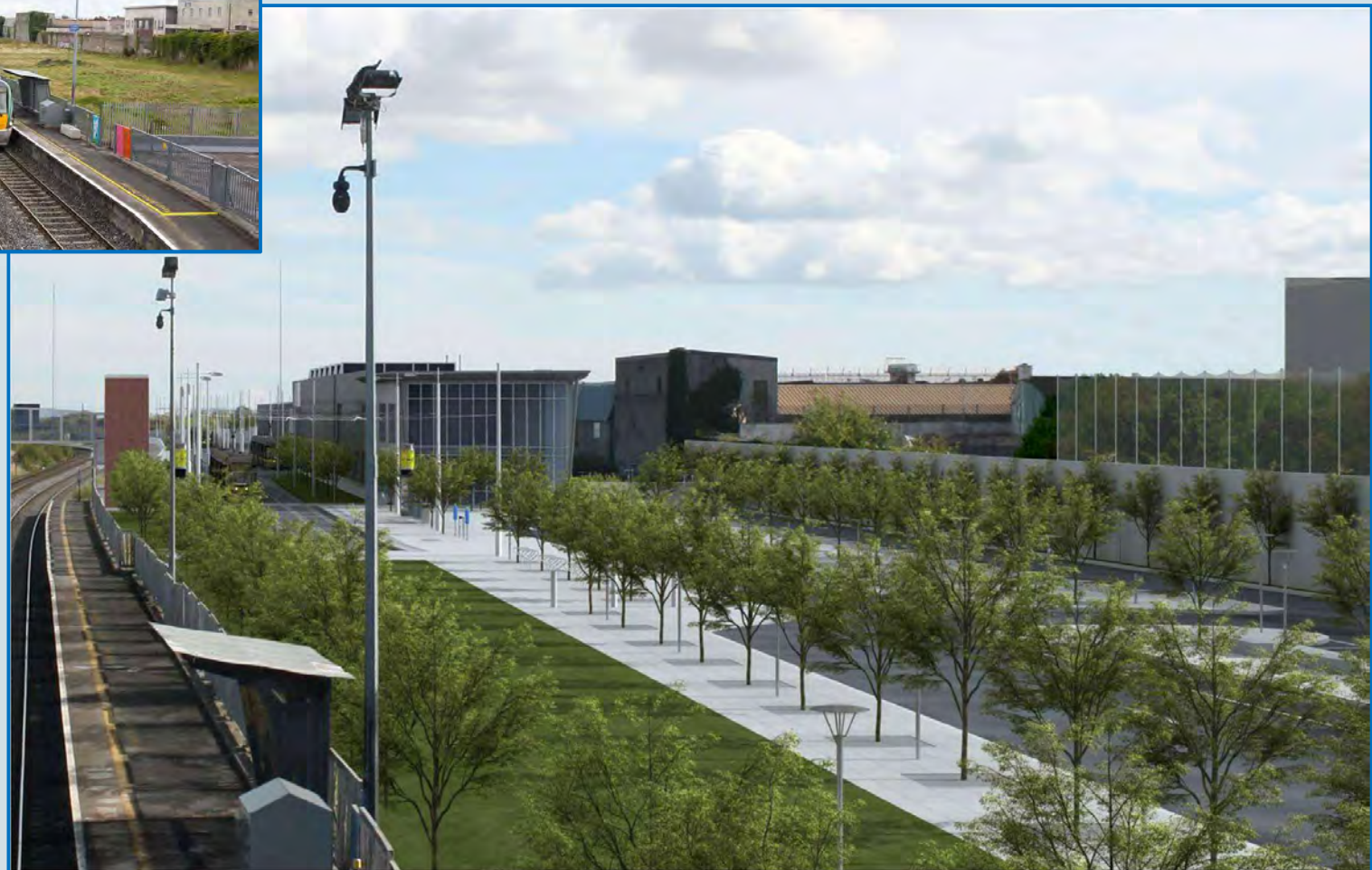
# Main Infrastructure Works



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## Broombridge Depot





# Key Issues for Delivery

## 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



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## Communications

**LUAS CROSS CITY - BE TRACK AWARE**

As the Luas Cross City project develops, new tram rails are appearing on the streets of Dublin City Centre along the Luas Cross City Route.

Please observe warning signage in place.

**Tramrian  
TRAM TRACK**

Dublin City cyclists are advised to follow the guidelines below when cycling in areas with tram rails:

- Be careful during wet or icy weather as the tram rails can be slippery.
- When crossing tram rails, do so as close as possible to a right angle.
- Where possible, avoid braking while on a tram rail.
- Do not ride parallel & close to a tram rail as bicycle wheels can become stuck.

As always, cyclists should adhere to warning signage in place, cycle safely and be aware of traffic movements.

For further information, please see [www.luascrosscity.ie](http://www.luascrosscity.ie)

## KEY PILLARS

**Substantial Media and Advertising Campaigns** – College Green Bus Gate, Cycling awareness, Dublin is “great”, business as usual

**Local liaison officers** – direct contact with retailers/shops/residents

**Sponsorships** – Local communities, Dublin Town events



# Junction to Junction works



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# Works Progress – Summer 2016



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# Works Progress - Summer 2016



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# Works Progress – Summer 2016



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# Works Progress – Summer 2016



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# Works Progress – Summer 2016



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# Works Progress – Summer 2016



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# Works Progress – Summer 2016



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# Works Progress – Summer 2016



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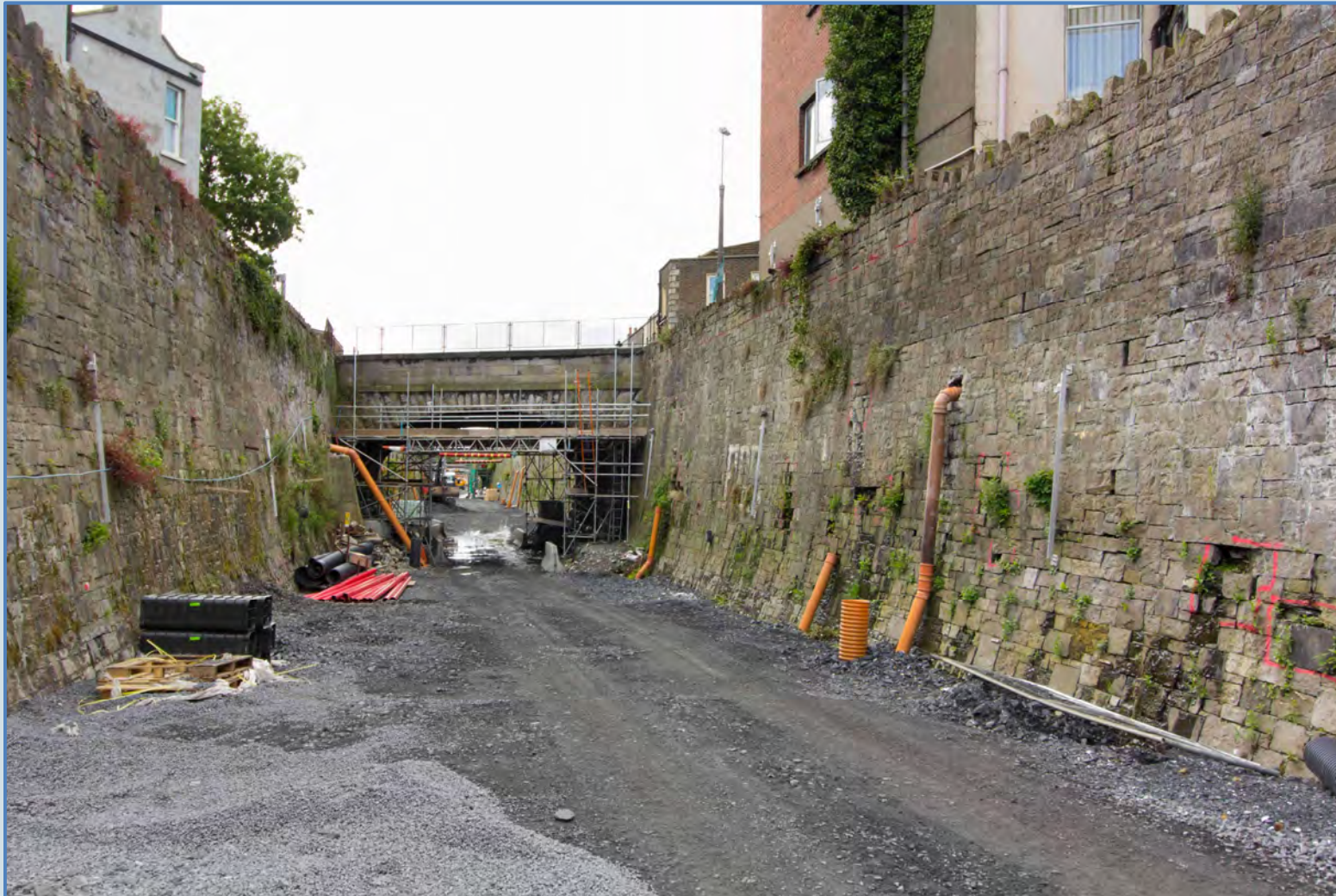




# Works Progress – Summer 2016



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# Works Progress – Summer 2016



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# Thank you!



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