

N11 Arklow / Rathnew & N7 Newlands Cross PPP Contract

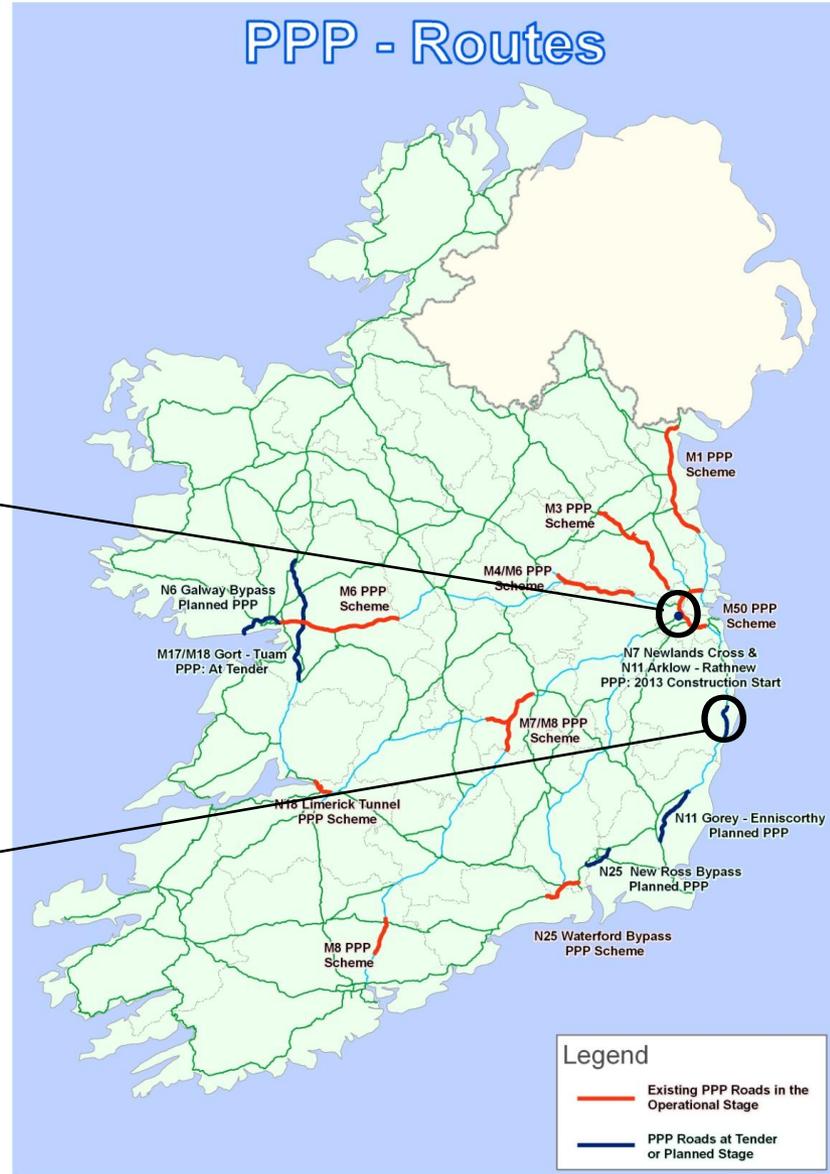
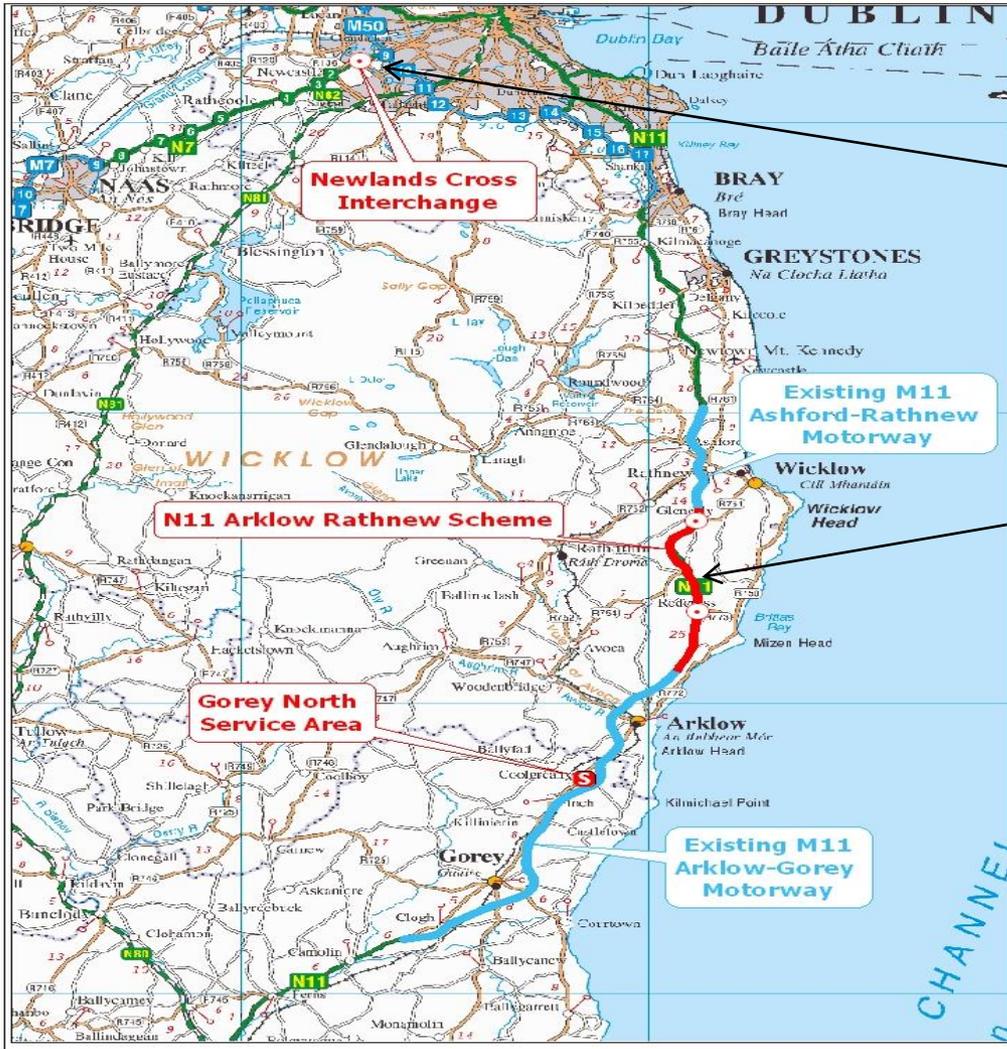
Kieran Kelly

N7/N11 PPP CONTRACT - OVERVIEW

- **Section A – N11 Arklow/Rathnew Scheme**
- **Section B – Upgrade Works on Existing M11
(Arklow Bypass & Arklow to Gorey)**
- **Section C – Gorey Service Area**
- **Section D – N7 Newlands Cross Junction Upgrade**

N7/N11 PPP CONTRACT OVERVIEW

PPP - Routes



N7/N11 PPP CONTRACT – PROJECT DEVELOPMENT

N11 Rathnew to Arklow Road Improvement Scheme

- ABP Approval – January 2005
- D&B Tender Competition – Feb 2005; Feb 2008
- Tender Competition Abandoned – July 2005; Dec 2008

N7 Newlands Cross Junction Improvement Scheme

- ABP Approval – June 2008
- D&B Tender Competition – June 2008
- Tender Competition Abandoned – December 2008

N7/N11 PPP CONTRACT – PROJECT DEVELOPMENT

N7/N11 PPP Contract

- NRA Board Decision – February 2009
- PPP Procurement Procedure – June 2009
- Final Tenders Received – May 2011
- Preferred Tenderer Selected – June 2011
- Financial Close/Contract Award – April 2013

SECTION A - N11 ARKLOW RATHNEW SCHEME (Existing Route)



- **Single c/way of varying cross section**
- **Poor horizontal alignment**
- **Limited overtaking opportunities**
- **Numerous at-grade junctions and domestic entrances**
- **High accident rate**



SECTION A - N11 ARKLOW RATHNEW SCHEME



- **16.5 km of new build dual c/way**
- **Design speed of 120km/h**
- **2 grade separated junctions at Beehive and Jack White's**
- **3 overbridges and 6 underbridges**
- **4.5km of N11 realigned**
- **10km of new side roads**
- **AADT of approx 20,000 vehicles**

SECTION A - N11 ARKLOW RATHNEW SCHEME



2nd July 2014

SECTION A - N11 ARKLOW RATHNEW SCHEME



SECTION A - N11 ARKLOW RATHNEW SCHEME



- **Approx 1,500,000m³ excavation required**
- **440,000m³ rock in cuttings**
- **20,000m³ recycled aggregates from old N11 pavement**

SECTION B – UPGRADE WORKS EXISTING M11

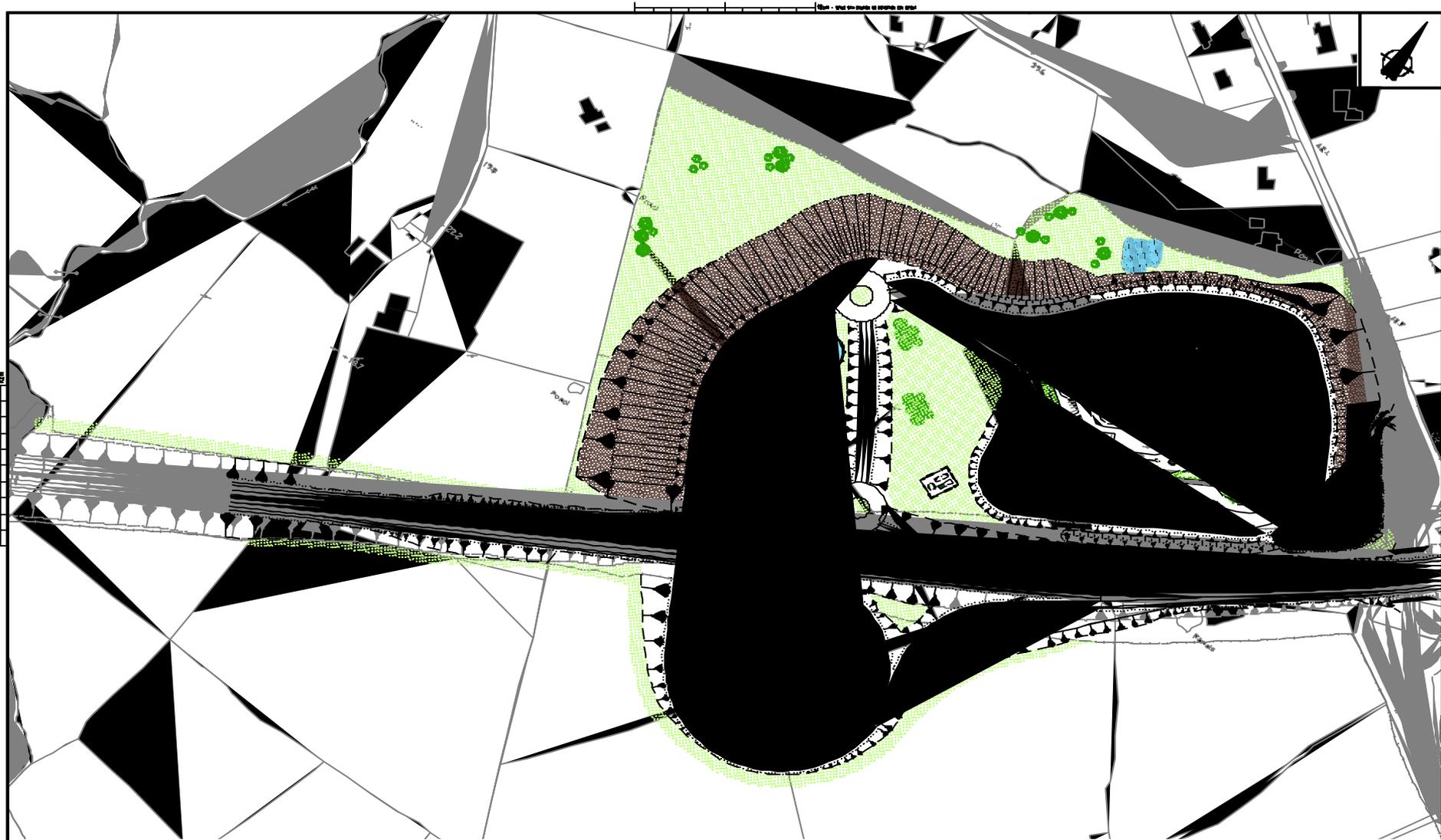


- 9km M11 Arklow Bypass
- 22km M11 Arklow to Gorey motorway
- Upgrade works comprising drainage rehabilitation, comms ducting, emergency telephones and ITS gantries
- O&M responsibilities from Commencement Date (April 2013)

SECTION C – GOREY SERVICE AREA

- **Located on the M11 Arklow to Gorey motorway**
- **Single sided facility on northbound carriageway**
- **Access for southbound traffic via new grade separated junction**
- **Comprises fuel station, amenity building with restaurant and convenience shop, extensive car and HGV parking**
- **Operation of service area facilities is not part of this PPP Contract**

SECTION C – GOREY SERVICE AREA



SECTION C – GOREY SERVICE AREA



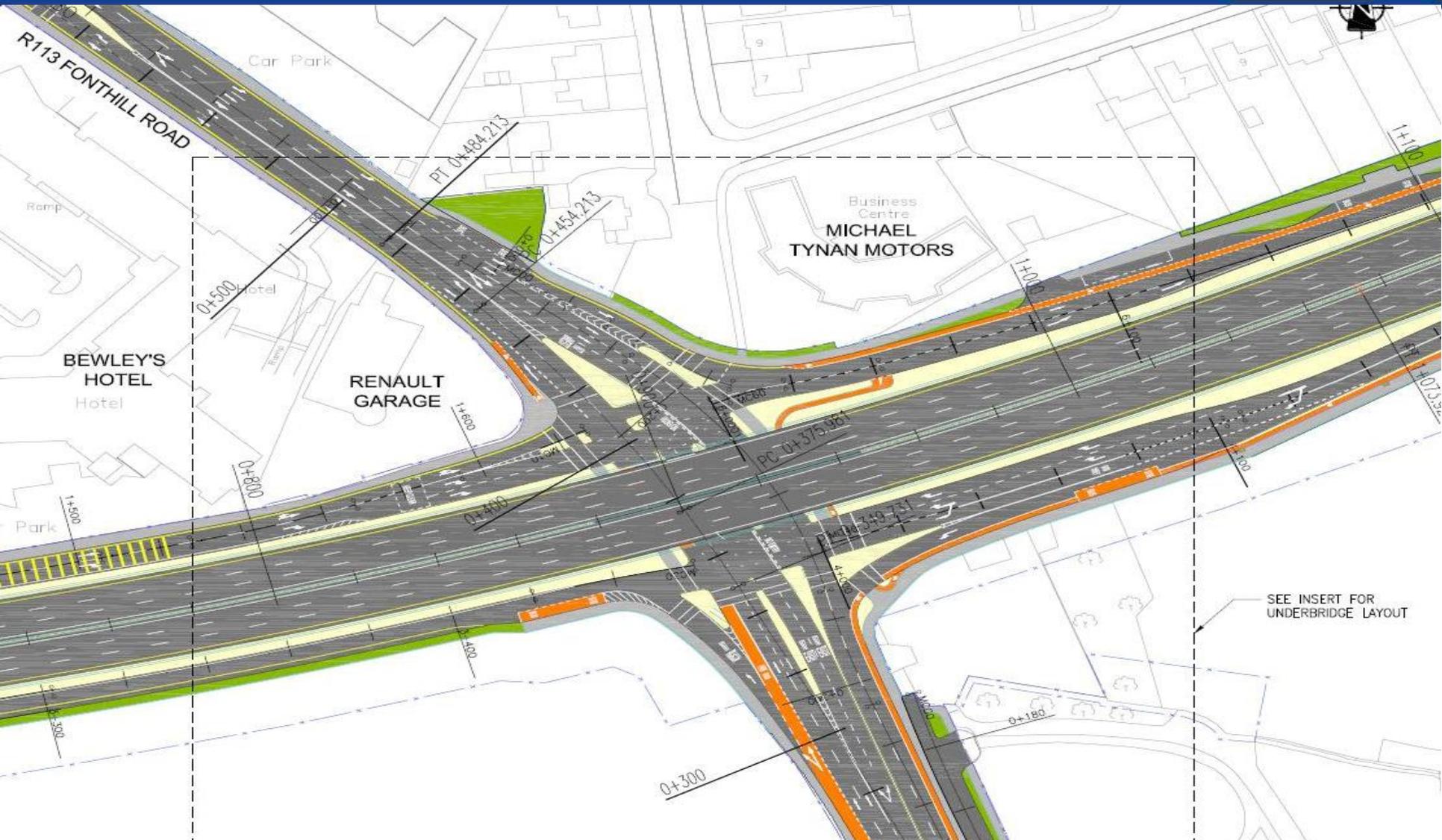
SECTION C – GOREY SERVICE AREA



SECTION D – NEWLANDS CROSS JUNCTION UPGRADE

- **Replace existing at-grade signalised junction with new grade separated junction**
- **N7 National Road taken over the R113 Belgard /Fonthill Road**
- **N7 comprises a 3 lane dual carriageway and will be totally free-flow through the junction**
- **Current AADT is approx 80,000 vehicles**
- **Provision for future Metro West line through the junction**

SECTION D – NEWLANDS CROSS JUNCTION UPGRADE



SECTION D – NEWLANDS CROSS JUNCTION UPGRADE



SECTION D – NEWLANDS CROSS JUNCTION UPGRADE



Phase 2
June 2014

SECTION D – NEWLANDS CROSS JUNCTION UPGRADE



Phase 2
July 2014

SECTION D – NEWLANDS CROSS JUNCTION UPGRADE



Phase 3
July - Nov 2014



Phase 3
July - Nov 2014

SECTION D – NEWLANDS CROSS JUNCTION UPGRADE



Phase 3
September 2014

SECTION D – NEWLANDS CROSS JUNCTION UPGRADE



- **Traffic Management Liaison Group**
- **Review of Temp Traffic Management Schemes (TTMS)**
- **Monitoring of peak hour journey times**
- **Adjustments to TTMS**



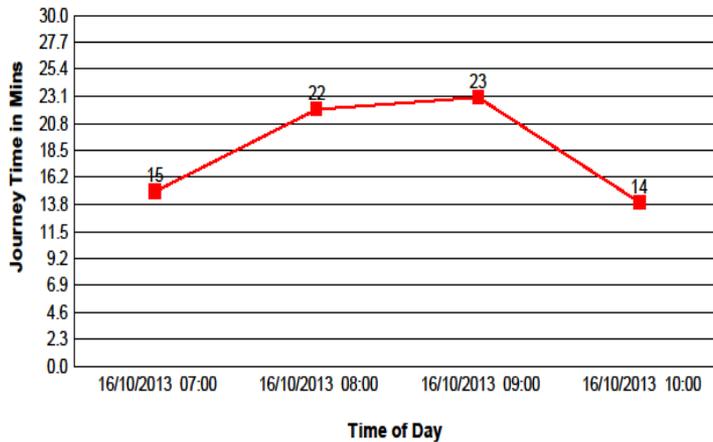
SECTION D – NEWLANDS CROSS JUNCTION UPGRADE



Date of report Wednesday, 16 Octobre

Journey Time Report N7 Inbound N7 Colemanstown Lane to Newlands Cross

Maximum Journey Time recorded for this period 23 Minutes



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Report Generated Wednesday, 16 October, 2013 at 10:02:30
Enquiries should be addressed to tmc@sdblinccoco.ie

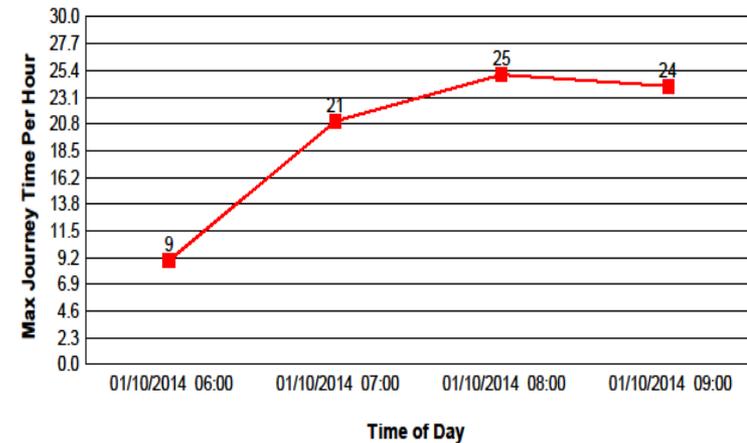


Date of report Wednesday, 1 October, 2014

Journey Time Report N7 Inbound N7 Colemanstown Lane to Newlands Cross

Distance between points: 9.1 Kilometers

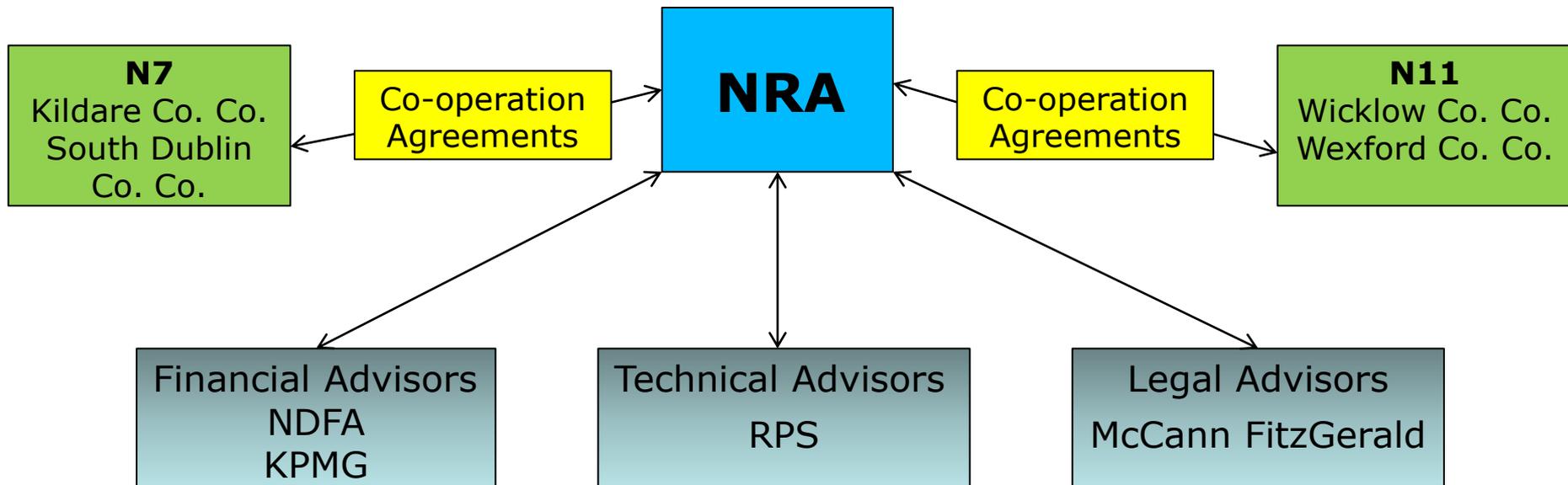
Maximum Journey Time recorded for this period 25 Minutes



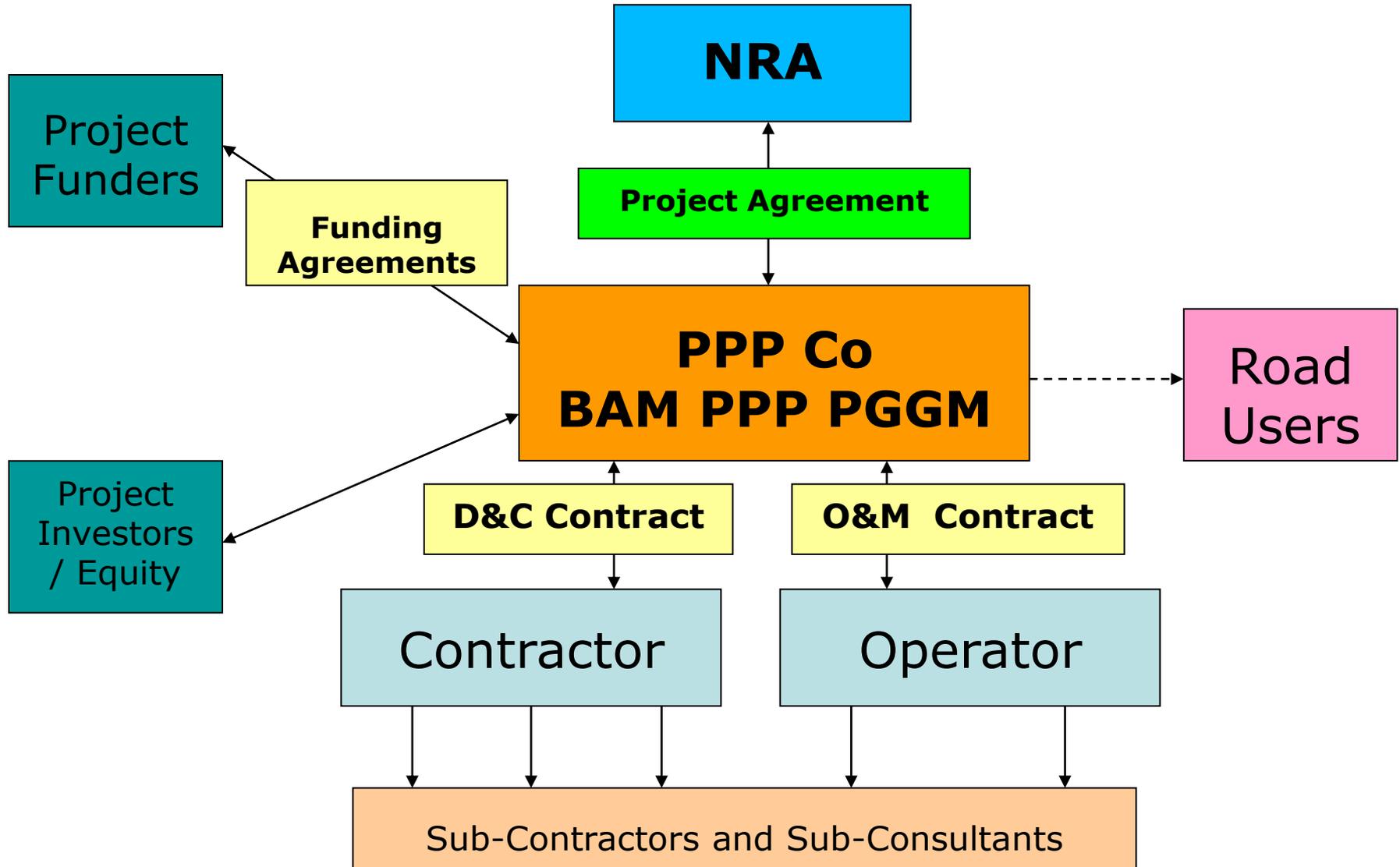
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N7/N11 PPP CONTRACT – PROJECT TEAM

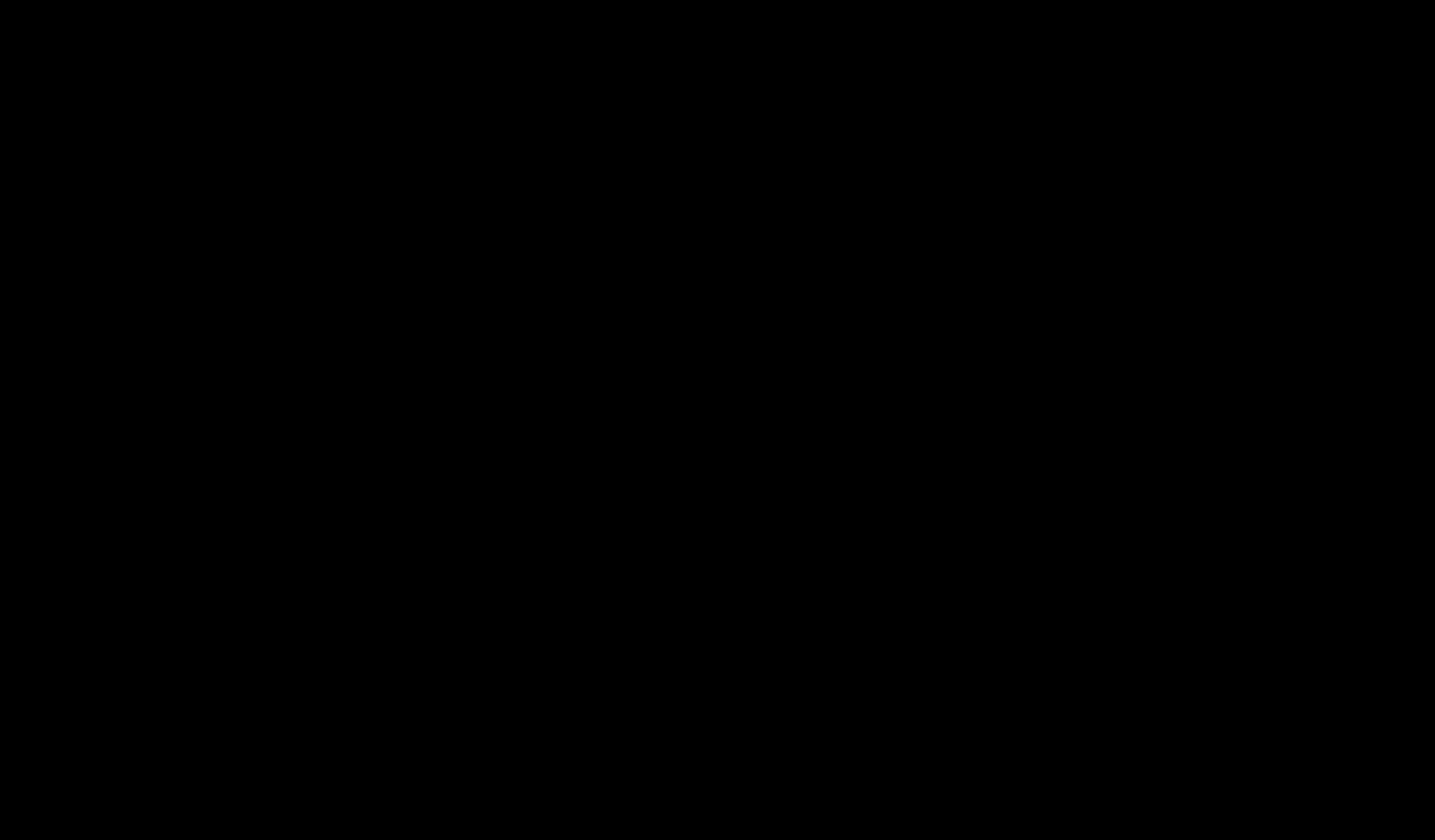


N7/N11 PPP – CONTRACT STRUCTURE



N7/N11 PPP CONTRACT – PAYMENT MECHANISM

- **Construction Contract - 28 months**
- **O&M Contract Period - 25 Years (2015 – 2040)**
- **No Construction Payments during D&C period**
- **Lane Occupation Charges will apply during D&C period**
- **Monthly Availability Payments from Availability Commencement Date (Aug 2015)**
- **Non-Availability Charges will apply**



Thank You