

THE N25 WATERFORD BYPASS PPP SCHEME

Construction Progress

Since the last issue of our Newsletter, the N25 Waterford Bypass Scheme has a real sense of completion with construction work progressing on both the North and South sides of the River Suir.

We have completed laying blacktop over the entire mainline of the Project Road and have commenced the laying of Wearing course over both sections (North & South) of the Mainline.

Over the past few months the following structure related activities have taken place on the North side, the Grannagh Junction-N9 Viaduct which can be seen on the approach into Waterford from Kilkenny, has seen significant progress with all steel girders in position and the installation of all precast deck slabs near completion on both slip roads and the Mainline spans. Apart from

the Grannagh Junction-N9 Viaduct, we have now commenced our Railway Structures in the Grannagh area and works to both these structures have commenced well, the newly constructed deck of Structure 44 (Newrath Link – Railway Underbridge) which proposes to carry traffic over the Newrath Link can be seen from the approaches to Waterford City from the existing N9

MILESTONES FOR THE PPP SCHEME

Contract Award	April 21st 2006
Design & Construction Commencement.....	April 21st 2006
Design & Construction Period	42 months
Target Completion Date	August 2010

road. With regard to our other Railway structure, Structure 23 (N25 Grannagh Junction Railway Crossing) construction work is advancing with deck works completed and work continuing on the installation of the parapet walls to the edge of the structure.

River Suir Bridge.



1.



2.



3.



Along the mainline we have now commenced paving of the batters under the structure to help enhance the aesthetics of the project.

Another area which has been progressing steadily is the Ng Link which will carry traffic North and South between the new Quarry roundabout to the Knocktopher section of the works, the Ng Link has now been excavated to formation level and the installation of drainage has commenced. Since our last Newsletter we have opened a number of roads, the N29 Port Road (used to access the Waterford Port), N25 New Ross Road (ties into the existing New Ross Road) and Newrath Link 2 (ties into Sallypark dual carriageway).

On the South side of the River Suir, work has now been completed on the 198m-6 span, Whelansbridge River Crossing which spans over Whelan's stream at Kilmeadan Village, this structure shall carry vehicles over Whelan's Stream adjacent to Kilmeadan Village along the Mainline.

Elsewhere on the southern side of the Project, work has been completed on the Old Kilmeadan Over Bridge resulting in the Contractor being able to complete the earthworks excavation directly beneath the structure. This in turn has allowed for the completion of the remaining construction work to the Mainline.

In the last month both the Carrick Link and Kilmeadan Links have been completed and are both open to traffic.

Construction at the N25 Toll Plaza is ongoing with the Administration Building completed, the focus primarily is now with the Toll Plaza Island, Canopy and the civil aspect of the Tolling Infrastructure.

Pictured:

1. Toll Plaza
2. Whelansbridge Viaduct
3. Mainline at Killaspy
4. Approach to Waterford from Dublin Road

THE SUIR BRIDGE

4.

The highlight of S16 (Suir River Bridge) in the past few months has been the construction of the main span over the River Suir. The advancement of the deck is clearly visible with 2 Modules at the North Abutment installed using the Mersey Mammoth, a 250 tonne capacity floating crane. This is the largest sea-going self propelled crane on the UK West Coast, and was brought in from Liverpool to undertake the lifting of 200 tonne steel girders.

The construction of the bridge's main deck span is programmed and executed in week long cycles with deck cables being installed on the back span first, once installed and tensioned, work commences on the installation of the main span steel work. This construction work is followed closely by the installation of the cables to hold the main span framework sections and the weekly cycle begins again. Once this has taken place the installation of the precast deck slabs can begin.

The following is a list of structures that have reached completion to date:

- S02 (Ballymoat Stream Culvert & pedestrian access)
- S03 (Disused canal underbridge)
- S09 (Western Link Junction Overbridge)
- S10 (N25 Stream/open drain Culvert 5)
- S13 (Tourist Railway Underbridge)
- S18 (N25 Grannagh Junction Roundabout West Bridge)
- S25-S50 (N25 Smartcastle Stream culvert)
- S26 (Mullinabro Overbridge)
- S28 (N25 Ballyrobin Overbridge)
- S38 (N9 Link Kilmacow Road Underbridge)
- S30, S31 & S33 (Culverts 11, 12 and N25 Stream open drain),
- S32 (N25 Airmount Overbridge), S51 (U/pass 3.00x3.00)
- S38 (N9 Link – Kilmacow Road Underbridge)
- S41 (N9 Link Dunkitt Road Overbridge)
- S50 (N25 Underpass 5)
- S46 (N25 Underpass 1)
- S49 (N25 Underpass 4)
- S51 (N25 Underpass 6)
- S52 N9 Link Underpass 7
- S54 (WIT entrance Culvert 6) and
- S56 (Services 1.8 X 1.8. Mainline Underpass)
- S57 (Bawnfune Overbridge)
- S58 (Old Kilmeaden Road Over Bridge)
- S59 (Woodstown Site Access Underbridge)
- S60 (N25 Stream/open drain Culvert)
- S62 (Halley's Underpass)





Traffic Management & Temporary Diversions

A number of traffic management measures are still installed along the route and we shall install a few of them in the next three months. These are summarised below. These measures are a necessary part of the construction works; we have kept their impact to a minimum.



ROAD	MANAGEMENT MEASURES
Diversion of N24 at Grannagh for Construction of S17	Road Diversion (Lanes Kept)
Opening of Newrath Link 2 (single carriageway)	Road Diversion (Lanes kept)
Lackan Road	Road Closure – local access only

Where traffic measures are in place we ask for your co-operation with the operators and thank you for your understanding.

The Team

The PPP Company



CELTIC ROADS GROUP
WATERFORD LTD.

The Construction



As from the 31st October 2008
Ascon Contractors Ltd.
became Bam Contractors Ltd.



WATERFORD JOINT VENTURE

The Design



GABRIEL FERNANDEZ CASADO S.L.
ORIGINAL CLIENT PROJECTOR

The Authority



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