



MONAGHAN COUNTY COUNCIL
Comhairle Chontae Mhuineacháin



N2 CARRICKMACROSS BYPASS

Slí an Chaomhánaigh
“Kavanagh Way”

Officially Opened by :

Mr. MARTIN CULLEN, T.D., MINISTER FOR TRANSPORT
21ST JANUARY 2005



NATIONAL DEVELOPMENT PLAN

Your Plan – Your Future



EUROPEAN UNION
STRUCTURAL FUNDS



National Roads Authority
An tÚdarás um Bóithre Náisiúnta

Going Places



Department of Transport
An Roinn Iompair



I am honoured as Monaghan County Mayor to be associated with the official opening of the N2 Carrickmacross Bypass.

The opening of the scheme will improve the environment in the town for local people by removing through traffic and heavy goods vehicles. The scheme will enhance development and will benefit the local economy and that of the County by providing better access within and between regions. I wish all who use the scheme a safe journey.



Cllr. Owen Bannigan
Mayor, Monaghan County Council

The opening of the N2 Carrickmacross Bypass represents a historical milestone in Monaghan County Council's delivery of road infrastructure projects. The project is the first design and build road scheme and the largest road project completed in the County.

The success of the project was achieved through the investment of funding by the Department of Transport under the National Development Plan and the European Union Regional Development Fund through the National Roads Authority.

I would like to thank the Minister's officials, the officials in the National Roads Authority, our Consulting Engineers, the Council's staff and the Contractor for their efforts in delivering this project that will provide many benefits to the County.



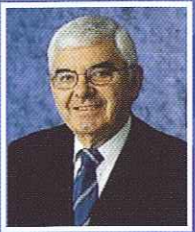
Mr. Declan Nelson
Monaghan County Manager

The opening of the 9km Carrickmacross Bypass on the N2 is an indicator of the significantly higher expenditure and construction activity now occurring in the Border, Midlands and Western (BMW) region.

Planning is being advanced on a further 28 major schemes in the BMW region totalling 474 km of new high quality national road and this level of activity clearly demonstrates the Authority's commitment to the ongoing development of the Region in line with Government policy.

As part of future development on the N2 Dublin to Derry route, construction work will commence shortly on the Monaghan Bypass scheme, and the Castleblayney Bypass is due to go to tender in May 2005. In overall terms, access to the northwest will improve and travel times will become more certain. The benefits of this development strategy will open up the border and the northwest regions to business and tourism alike.

I wish to congratulate all involved in delivering this project, including our friends in the European Union for their financial support.



Mr. Peter Malone
Chairman of the National Roads Authority.

On behalf of the European Commission I welcome the opening of this new bypass of Carrickmacross on this Trans-European Road Network section of the N2. The project will provide numerous benefits to the national and local economy, and will facilitate the efficient movement of cross border business and tourism traffic, as well as the communities living on the N2.

The Commission is pleased to have co-financed the project through the European Regional Development Fund.



Mrs Danuta Hübner
Commissioner for Regional Policy

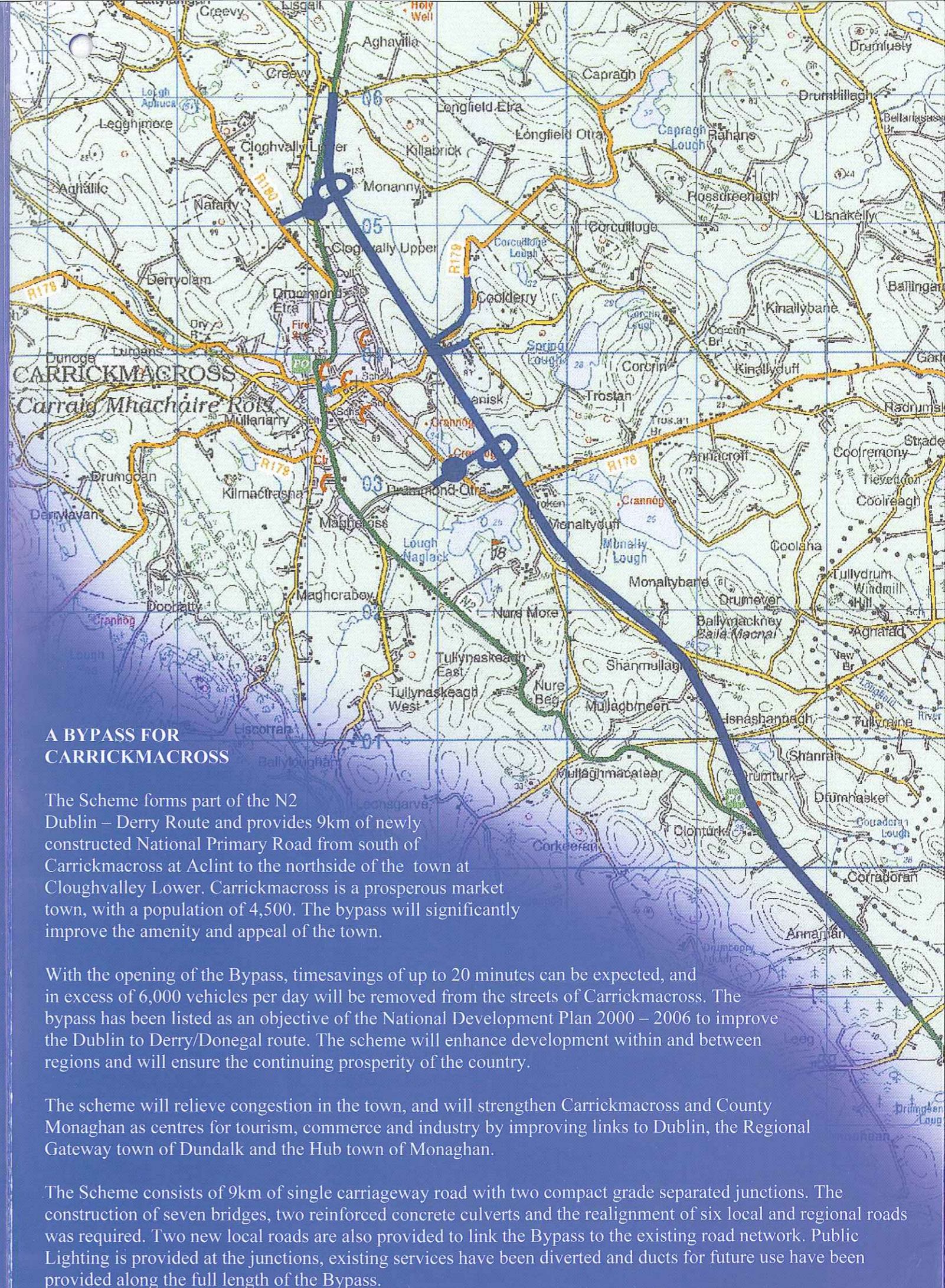
Slí an Chaomhánaigh Kavanagh Way

To commemorate the life of Monaghan's celebrated poet and writer, Patrick Kavanagh, the N2 Carrickmacross Bypass has been named "Slí an Chaomhánaigh" "Kavanagh Way"



*"A road, a mile of
kingdom. I am king
Of banks and stones
and every blooming
thing."*

Patrick Kavanagh (1904-1967)



A BYPASS FOR CARRICKMACROSS

The Scheme forms part of the N2 Dublin – Derry Route and provides 9km of newly constructed National Primary Road from south of Carrickmacross at Aclint to the northside of the town at Cloughvalley Lower. Carrickmacross is a prosperous market town, with a population of 4,500. The bypass will significantly improve the amenity and appeal of the town.

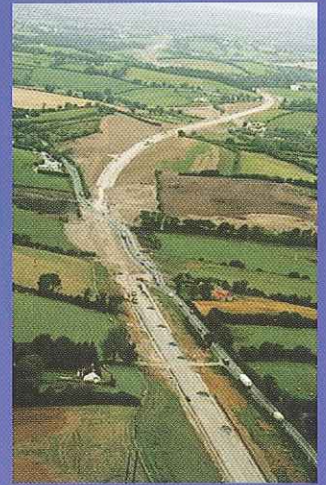
With the opening of the Bypass, timesavings of up to 20 minutes can be expected, and in excess of 6,000 vehicles per day will be removed from the streets of Carrickmacross. The bypass has been listed as an objective of the National Development Plan 2000 – 2006 to improve the Dublin to Derry/Donagall route. The scheme will enhance development within and between regions and will ensure the continuing prosperity of the country.

The scheme will relieve congestion in the town, and will strengthen Carrickmacross and County Monaghan as centres for tourism, commerce and industry by improving links to Dublin, the Regional Gateway town of Dundalk and the Hub town of Monaghan.

The Scheme consists of 9km of single carriageway road with two compact grade separated junctions. The construction of seven bridges, two reinforced concrete culverts and the realignment of six local and regional roads was required. Two new local roads are also provided to link the Bypass to the existing road network. Public Lighting is provided at the junctions, existing services have been diverted and ducts for future use have been provided along the full length of the Bypass.

Project Statistics

- 3,200,000 tonnes of material excavated
- 10,000 cubic metres of concrete
- 85,000 tonnes of asphalt and macadam
- 100 people employed on site at peak production
- 15km of drainage pipes
- 3.0km of watermains
- 20 km of ducting
- 8.5km of Safety Barrier



ARCHAEOLOGICAL HERITAGE



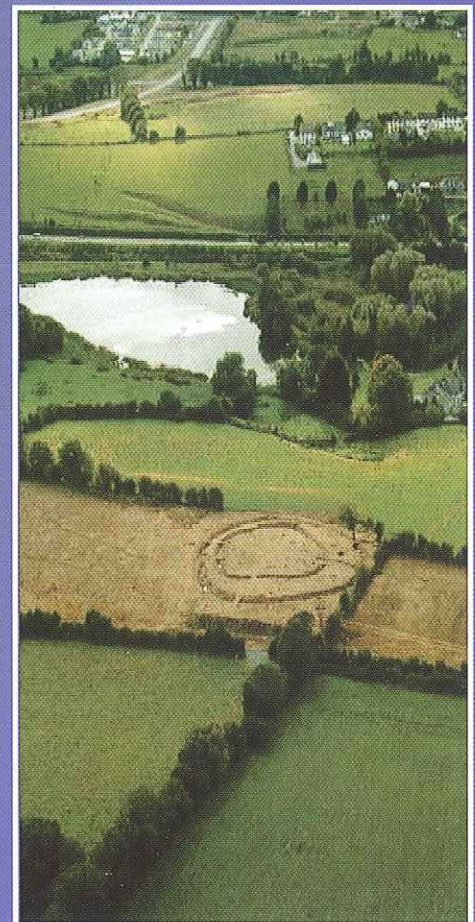
Two significant archaeological sites were discovered during advance survey work along the line of the bypass.

The site at Monanny included a group of three Neolithic buildings, estimated to date from c. 3500BC. This is the first Neolithic site excavated in Monaghan.



Lisanisk Ringfort may have been connected to the nearby MacMahon stronghold (crannóg) in Lisanisk Lough. The site dates from the medieval period and was re-used for metal working during the 17th century.

Both sites, two ancient cooking places and a small Famine cemetery were fully excavated before construction began on the bypass, causing no delay. Final excavation reports are nearing completion. At the peak of the archaeological contract, undertaken by Irish Archaeological Consultancy Ltd., almost 50 archaeological staff were employed, making it the biggest archaeological excavation undertaken in Monaghan to date.



PROTECTING THE ENVIRONMENT

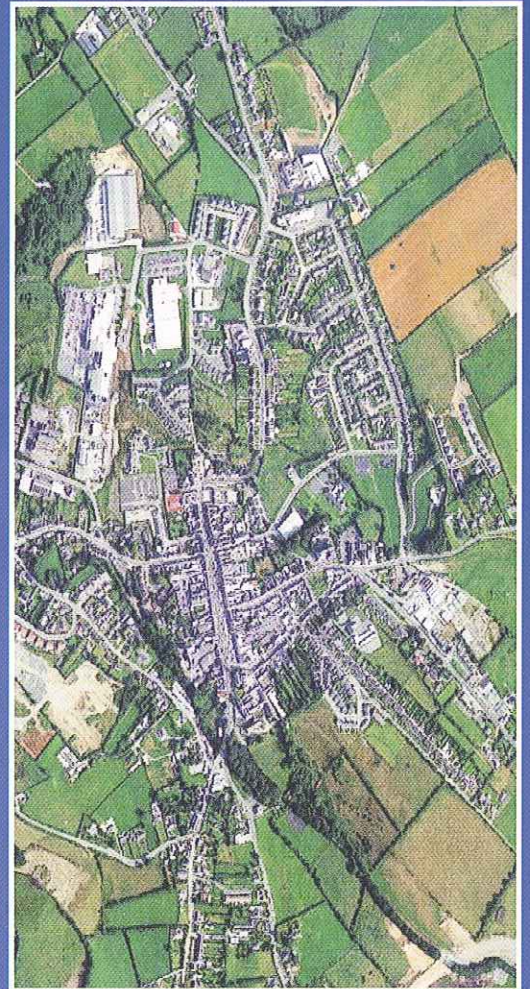
The National Roads Authority, Monaghan County Council and Jons Moneley Joint Venture made every effort to protect the environment and minimise disruption to the surrounding countryside during planning, design and construction of the project. Co-operation with the Eastern Regional Fisheries Department was necessary to bridge the rivers. River and stream habitats have been maintained and protected. Low flow channels have been provided in the culverts and balancing ponds and petrol interceptors have been constructed where water runoff from the scheme enters existing watercourses. Badger underpasses have been installed and landscaping and noise barriers mitigate the



impact of the scheme on surrounding properties. A moorhen's nest was discovered at the Northern Interchange in July 2004. Jons Moneley co-operated with local Wildlife Rangers, postponing works at this location until the eggs had hatched and the nest could be relocated further downstream.

ROAD SAFETY

Seven bridges, designed and engineered to the highest standards, carry side roads over and under the bypass, allowing local traffic to cross safely. Two interchanges are provided at the major entry and exit points to Carrickmacross. Extensive lighting is in place at all junctions and 8.5km of safety barrier has been provided.



Roughan & O'Donovan
FABER MAUNSELL

Consulting Engineers

ROUGHAN O'DONOVAN
CONSULTING ENGINEERS

J. O'Donovan *Managing Director*
Garry Smyth *Project Director*
H. Meighan *Project Engineer*
H. O'Sullivan *Project Resident Engineer*



Monaghan County Council

Comhairle Chontae Mhuineacháin

Declan Nelson *County Manager*
David Fallon *Director of Services*
Patrick Johnson *Senior Engineer*
John McGrath *Senior Executive Engineer*
Séamus Grogan *Liaison Officer*
Marie Smyth *Administrative Officer*

JONS **JONS MONELEY**
JOINT VENTURE **PML**

Main Contractors

JONS MONELEY JOINT VENTURE

Jons Civil Eng., Duleek, Co. Meath
J. Pentony *Managing Director*
Padhraic Moneley Ltd. Kilsaran, Co. Louth
P. Moneley *Managing Director*
J.P. Killen *Project Manager*

PROJECT DESIGNERS

Malone O Regan Scott Wilson
Advanced Geotechnics Ltd.



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The opening of the N2 Carrickmacross Bypass marks one more milestone in the development of our road infrastructure. This scheme represents an investment of almost €52m – taxpayers' money – and part financed by the European Union – in the road infrastructure in County Monaghan. I am particularly pleased that it has been completed ahead of schedule and within budget. Countrywide, increasing road traffic volumes and transport bottlenecks are challenging us to accelerate the pace of our national roads programme.

Improved roads provide benefits by cutting journey times. In this competitive environment, timesavings generate an economic advantage and these savings are translated ultimately into jobs. Road improvements must also be seen in terms of quality of life for people. With the opening of every new road, towns such as Carrickmacross become places to go to, not places to go through.

Getting to work, school or play becomes less difficult as the towns are given back to their people. This

Government is building roads because they protect and grow job opportunities and protect and grow community life in all parts of our country. This year we will be investing over €1.3 billion in our roads. In addition, the ten-year capital investment framework provided by the Government gives the flexibility required to complete the transformation of our national transport network over the decade ahead.

I wish everyone who travels on 'Kavanagh Way' safe travelling.

Martin Cullen
Minister for Transport

DESIGN AND BUILD

The N2 Carrickmacross Bypass is the first Design and Build road scheme in Monaghan. The scheme was developed to Compulsory Purchase Order stage by RPS MCOS Consulting Engineers. The Compulsory Purchase Order was made in November 1998 and confirmed in July 2000. The scheme received planning permission in accordance with the Local Government Planning and Development Regulations in July 1996.

Roughan & O' Donovan – Faber Maunsell Alliance Consulting Engineers were appointed to undertake the specimen design, prepare contract documentation and oversee the detailed design and construction of the Works under the direction of Monaghan County Council and the National Roads Authority.

The contract was awarded to Jons Moneley Joint Venture in August 2003. The commencement date was 29th September 2003, with a contract duration of 18 months. The detailed design for the construction phase was developed by the main contractor Jons Moneley Joint Venture and their designers Malone O' Regan Scott Wilson and Advanced Geotechnics Ltd. Consulting Engineers.

A combination of strategic planning of the design and construction processes coupled with intensive work rates and favourable weather conditions have resulted in the scheme opening almost 3 months ahead of schedule.

The Bypass is open 3 months ahead of schedule



FUNDING

This project was funded by the Irish Government under the National Development Plan, 2000 – 2006 and part financed by the European Union Regional Development Fund. The total cost of the scheme represents an investment of €52m in the road infrastructure in County Monaghan.