Roads to the Past: The management of cultural heritage constraints on Irish National Road schemes

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Ireland
Cultural Heritage?
Cultural Heritage in Ireland

• The Known
  – 150,000 recorded monuments on the Record of Monuments and Places (RMP)
  – >10,000 Recorded structures on the Record of Protected Structure (RPS)

• The Unknown
  – Multiple of the known sites
Legislation to Practice

1. NRA Policy Practice
2. NATIONAL LEGISLATION
   - Roads Act
   - National Monuments Acts
   - Planning and Development Acts
3. EU DIRECTIVES
   - EIS AND PROCUREMENT
     - Council of Europe “Valetta Convention”
4. INTERNATIONAL CONVENTIONS
   - ICOMOS
   - UNESCO
NRA Strategic Objectives

- Continue to develop National Roads Network
- Improves General Public's Quality of Life
- Contribute To Sustainable Development
- Be an Efficient, Flexible and Quality Driven Organisation

- Measures and Procedures To Protect Natural and Cultural Heritage
- Best practice procedures integration of Transportation and Land Use Planning
- Undertaking Research
- Introduce New Methods Of Road Construction to reduce use and cost

Publication of Policy Guidelines
Complete Archaeological works in advance of road construction
Develop Testing Strategies to identify archaeological impacts of road schemes
Disseminate Archaeological information Generated by Roads Programme

Contribute To Sustainable Development
Be an Efficient, Flexible and Quality Driven Organisation
Introduce New Methods Of Road Construction to reduce use and cost
NRA Archaeology Key Objectives

Management of the Archaeological Aspects of the National Roads Programme

- Policy Formulation
- Advance Archaeological Works
- Dissemination
- Publish Guidelines
- Reduced Delay Costs
- Publications, Exhibitions, Internet
National Archaeological Policy

- Fully Excavate
- Preservation in Situ
- Build the Road over the Remains
- Preservation by Avoidance
- Move the Road
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Risk Management: Risk Transfer
Archaeological sites excavated on road schemes from 1992-2007

No of Arch sites excavated

Year

No of Arch sites excavated


1 0 100 200 300 400 500 600
Public Archaeology: Public Money
Future Routes

• Technical Reports available on-line.
• Develop and further, Institutional Partnerships to ensure full utilisation of results, in all Sectors.
• Continue process of self review and benchmark against other European Countries.
Thank You!

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### Legislative and Regulatory Framework

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<tr>
<th>National</th>
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<td>Heritage Act, 1995</td>
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<td>Local Government (Planning and Development) Act, 2000</td>
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<td>The Architectural Heritage (National Inventory) and Historic Monuments (Miscellaneous) Provisions Act, 1999</td>
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<td>Framework and Principles for the Protection of the Archaeological Heritage, 1999, Department of Arts, Heritage, Gaeltacht and the Islands</td>
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<td>Policy and Guidelines on Archaeological Excavation, 1999, Department of Arts, Heritage, Gaeltacht and the Islands</td>
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<td>Code of Practice between the NRA and the Department of Arts, Heritage, Gaeltacht and the Islands, 2000</td>
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<td>Advice Notes on Current Practice (in the Preparation of Environmental Impact Statements), 2003, EPA</td>
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<td>Guidelines on the information to be contained in Environmental Impact Statements, 2002, EPA</td>
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<td>Council of Europe Convention on the Protection of the Archaeological Heritage (the &quot;Valletta Convention&quot;) ratified by the Republic of Ireland in 1997</td>
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<td>concerning protection of sites and recommendation of World Heritage sites ratified by the Republic of Ireland in 1992</td>
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Stakeholders

- LOCAL AUTHORITY
- GENERAL PUBLIC
- LANDOWNERS
- DESIGN TEAM
- MAIN CONTRACTOR
- ROAD AUTHORITY
- ARCHAEOLOGICAL CONTRACTOR
- STATUTORY AUTHORITIES

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NRA Organisational Structure

CEO

FINANCE and ADMINISTRATION
- Information Technology
- Financial Control
- Accounts
- Human Resources
- EU/NDP

CORPORATE AFFAIRS
- Communications
- Environment
- Archaeology
- Regional Teams * 4
- Planning
- Programme and Regulatory Unit
- Support Services

ENGINEERING OPERATIONS
- Engineering
- Safety Engineering
- Engineering Standards
- Procurement
- Structures
- Major Projects
- Regional Teams * 7
- Cost Estimation
- Administration/PRS
- Research
- Network Management
- Network Operations
- Pavement and Maintenance

PPP, Commercial Operations, Strategic Planning
- PPP Contracts
- PPP Finance and Tolling
- Strategic Planning
- Administration
- Special Projects
Mission Statement

Contribute to improving people’s quality of life and to economic competitiveness by developing, maintaining and operating the national road network in a safe, cost effective and sustainable manner.
Design and Planning Process
Insight in the quality of its primary processes. By taken account of the golden rules of human factors the necessary objectives can be redefined. 

Road users however will not be confronted with the original policy and measures but with the results of them. The results are the output that are able to achieve the goals that were set and situational aspects like weather and intensity. The situational aspects are hard to control. To improve the quality of the roads is to analyse deviation in the system like accidents. Analysing accidents by searching for root causes and latent failure factors will be realised and the chance of human error will be reduced.