Guidance on Minor Improvements to National Roads
TA85
Guidance on Minor Improvements to National Roads

- What will be covered
  - Objective of the Preliminary Design Report
  - Where to use TA85
  - Contents of the Design Report
  - Worked Examples
  - Approval Procedure
Objective

- Address and present issues relating to compliance with relevant parts of the NRA DMRB.
- Ensure that the standards to be applied are acceptable and all proposed RELAXATIONS & DEPARTURES are identified.
- The designer already has most of the information required for the preparation of a Preliminary Design Report.
Where to Use TA85

- Minor Improvement Schemes < 2km in length
  - Changes in Horizontal or Vertical Alignment
  - Application of Superelevation
  - Change in Road Cross Section
  - New Junctions

- Road Safety Improvement Scheme specifically targets sections of the network with high collision rates to improve road safety
  - sightline improvements at junctions and accesses
  - sightline improvements on sub-standard horizontal curves
Contents of the Preliminary Design Report

- The need for the proposed scheme
  - safety and/or capacity issues
  - existing pavement condition
  - existing horizontal/vertical alignment elements
  - existing cross-section

- Specific objectives of the proposed scheme
- Collision History and Records
- Design Speed Calculations
Contents of the Preliminary Design Report

- Options considered
- Constraints (Environmental or Topographical)
- Geometric features
  - Existing and Proposed
  - Horizontal and Vertical Alignment (including gradients)
  - Cross Section (including superelevation and flat spots)
  - Stopping Sight Distance
  - Junction Visibility
- A Safety Barrier Risk
Contents of the Preliminary Design Report

- Drainage requirements
- Traffic Signs and Road Marking requirements
- Junction treatment
- Requirements of Non-Motorised Users
- Relaxations and Departures
- Road Safety Audit (Stage 1&2 Combined)
- Preliminary Design drawings
- Table 2/1 A non-exhaustive list of data required
New Ghost Island Right Turn Lane

Pavement Widening

Relocated Fenceline to Provide Visibility Splay
Road Safety Audit

- Stage 1 & 2 Combined in Accordance with HD19
- Must be attached to the PDR
- Common Issues
  - Stopping Sight Distance
  - Junction Visibility
  - Encroach on the visibility requirements of adjoining direct accesses or junctions
  - Stagger Distances
Relaxations and Departures

- Shall be recorded in the PDR
- 1 Departure Application will be submitted using the Web-based Departures Database
- This application should include the PDR with all the Departure Applications for the Project contained within it
- Should be submitted a minimum of two months prior to incorporation into the final design, and well in advance of the finalisation of the landtake
THANK YOU FOR YOUR ATTENTION

Name

Direct Line : +353 45 988922  
Mobile : +353 87 2533720  
E-Mail : bkennedy@kildarenrdo.com