



Go Dungarvan

# N25 Upgrade of Cycling/Walking Facilities

NRA Conference 9<sup>th</sup> October 2013

**Barbara Stosic**

# Context of Smarter travel in Urban Environment

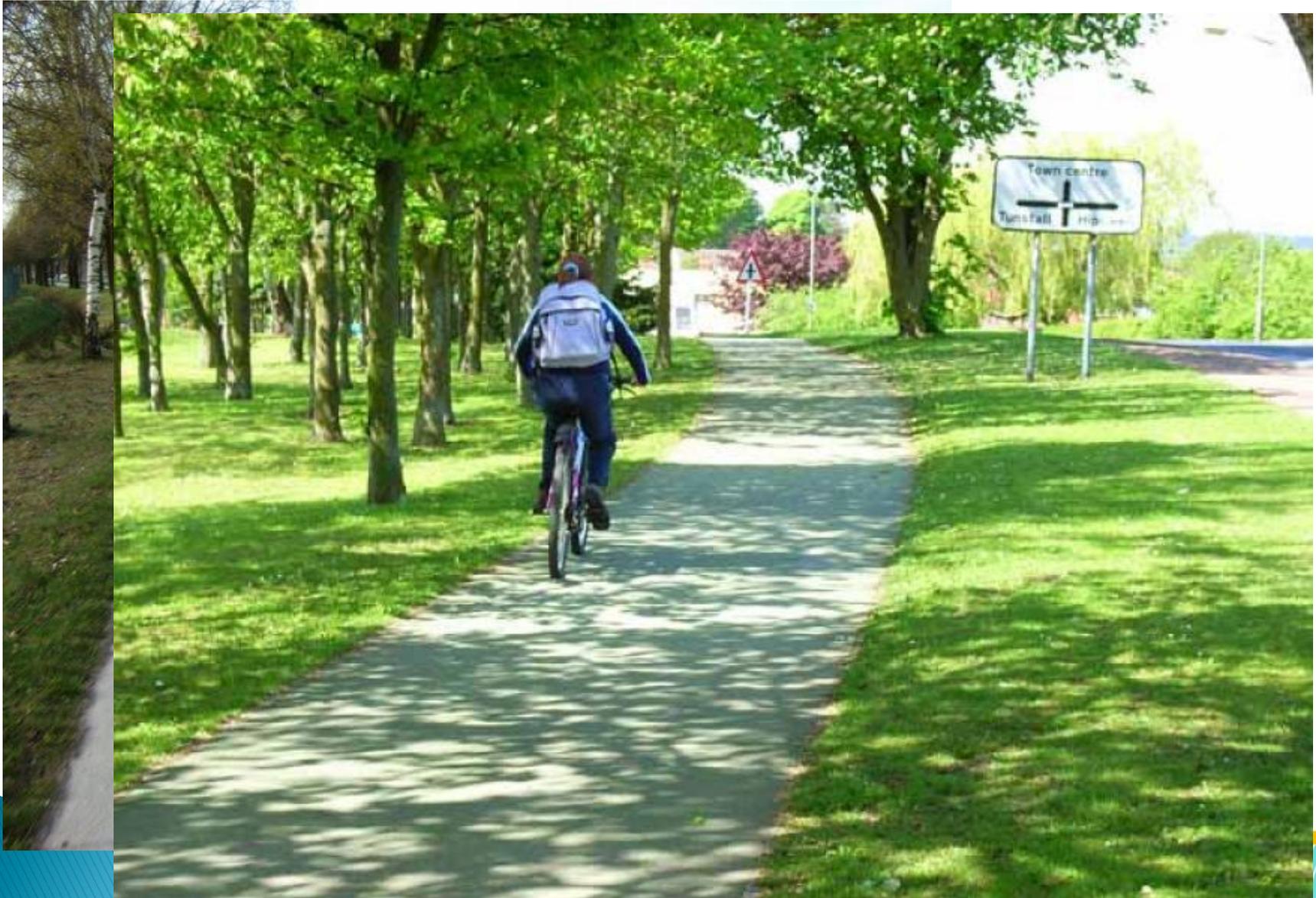
- ▶ Please , raise your hand if you ride a bike?
- ▶ How many of you enjoy riding a bike on the Public Road?





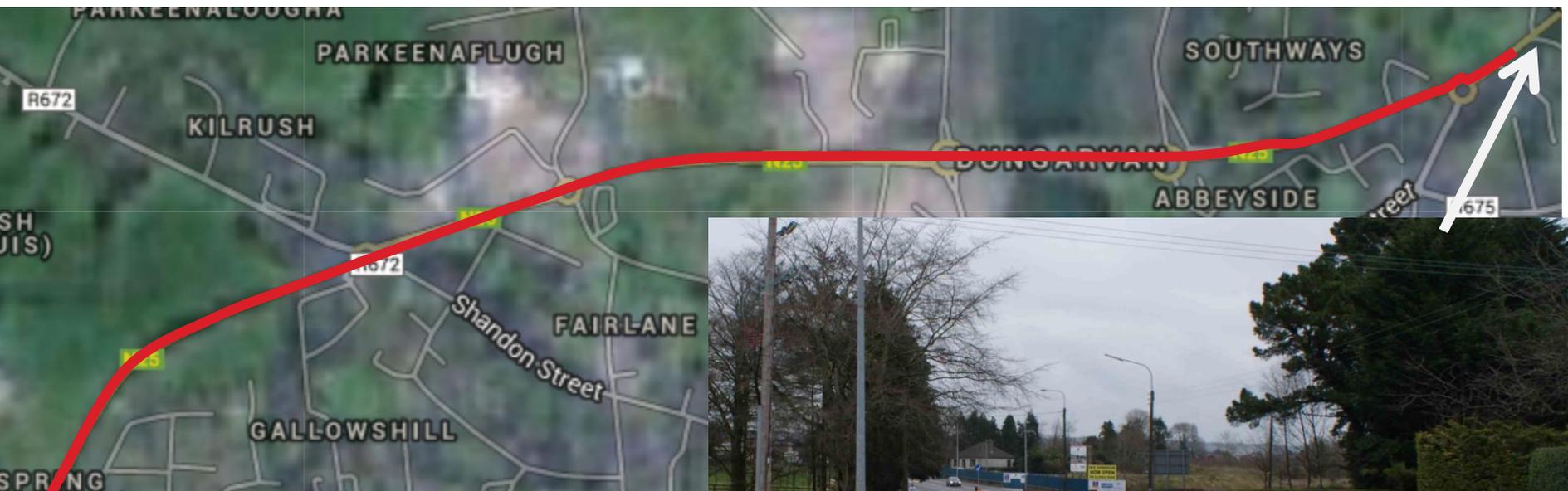


# Would you prefer it better like this?



# Scheme Location





# Strategic Travel and all Local users

**NO!**



**YES!**



# The proposal: provide a shared facility

## What is shared facility or shared path?



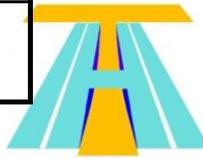
## When is it appropriate?

Where footpaths are wide and the volume of pedestrians and cyclists is low, e.g. in low-density towns and cities, and suburban or recreational areas with less than 200 cyclists/pedestrian per hour.

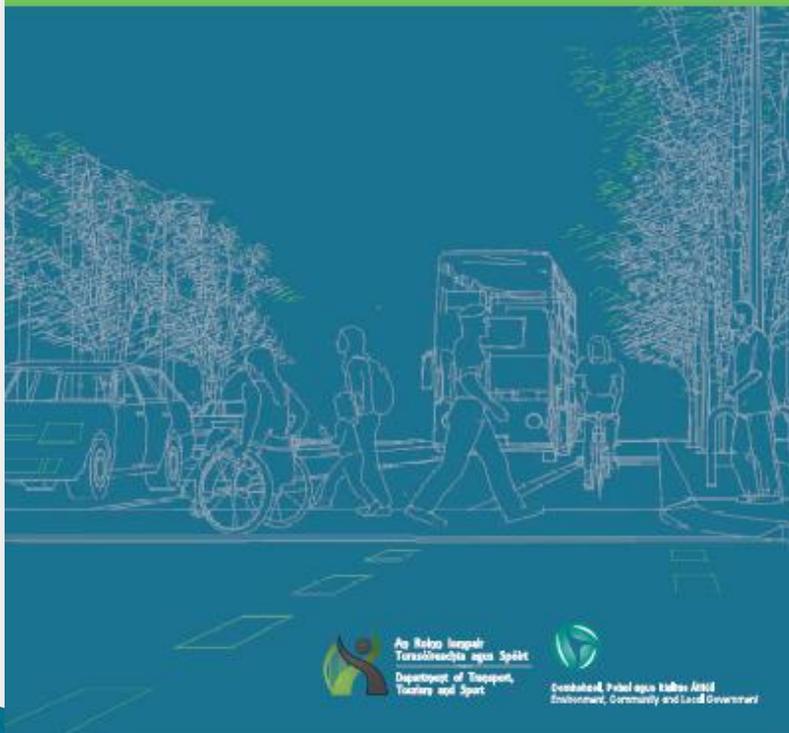


# Standards used

Design Standard Reference Number	Title
NRA TD 9/12	Road Link Design
TD 41/42 -11	Geometric Design of Major / Minor Priority Junctions
NRA IAN 03/12	Provisions for Cyclists and Pedestrians on Type 2 and Type 3 single carriageway National Roads in rural areas
TD 16/07	Geometric Design for Roundabouts
BD 52/13	The Design of Vehicle and Pedestrian Parapets
TA 90/05	The Geometric Design of Pedestrian, Cycle and Equestrian Routes
NRA MCDRW Vol. 4	Road Construction Details
	National Transport Authority, National Cycle Manual
	Dept. of Transport Design Manual for Urban Roads and Streets
	Dept. of Transport, Traffic Management Guidelines
	Dept. of Transport Traffic Signs Manual
	NRA Guidelines on Traffic Calming for Towns and Villages on National Routes

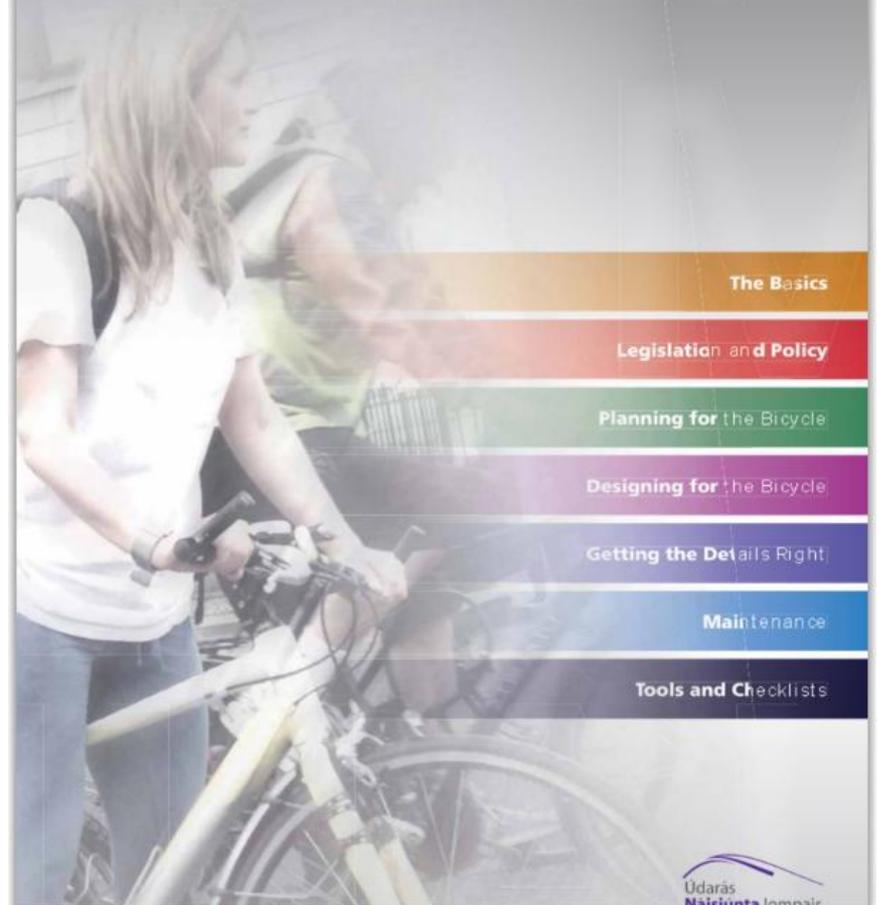


# Design Manual for Urban Roads and Streets



# NATIONAL CYCLE MANUAL

[www.cyclemanual.ie](http://www.cyclemanual.ie)



The Basics

Legislation and Policy

Planning for the Bicycle

Designing for the Bicycle

Getting the Details Right

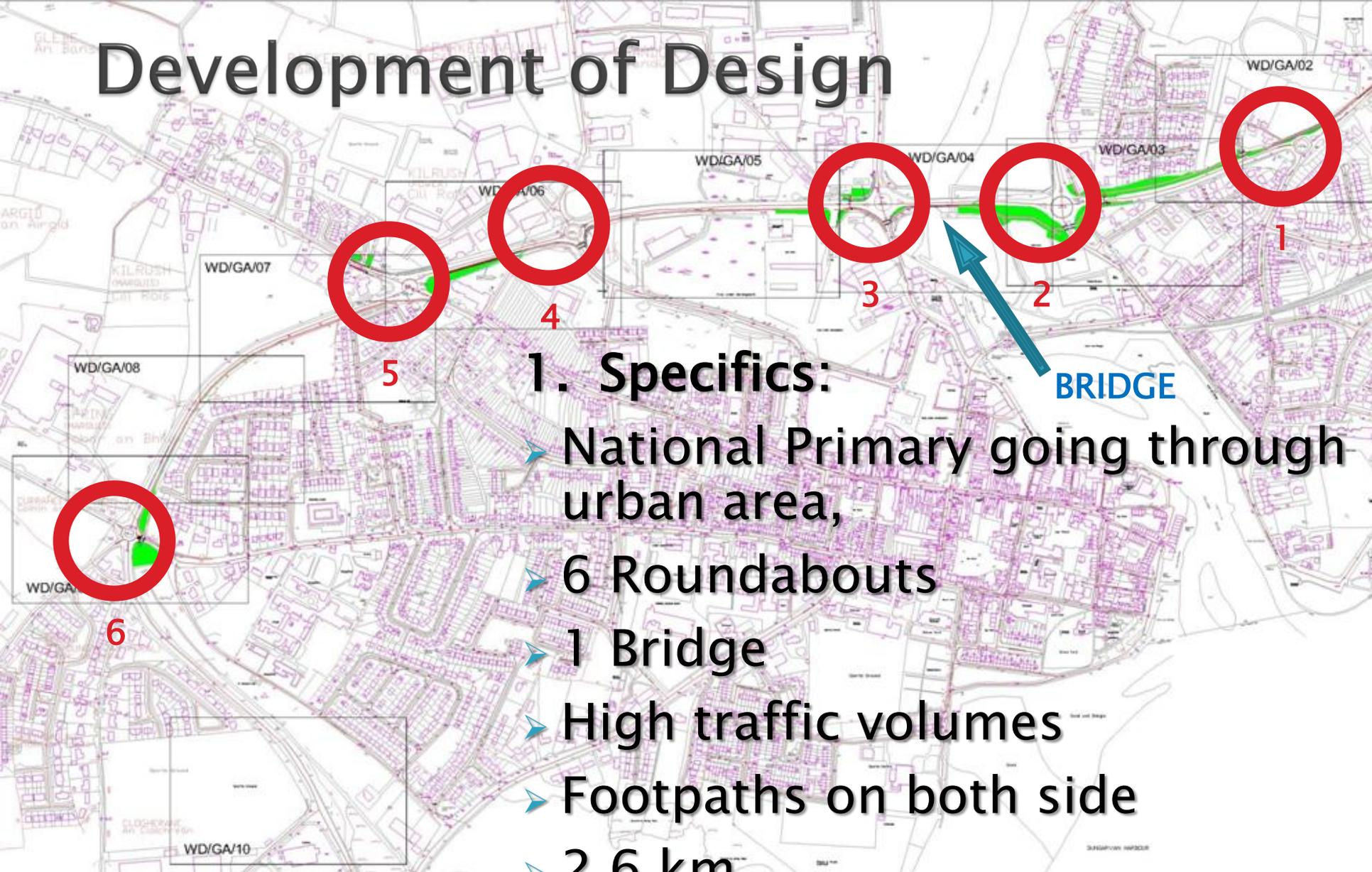
Maintenance

Tools and Checklists

First  
challenge:  
Change the  
perception  
of road  
designer –  
Get on Bike



# Development of Design



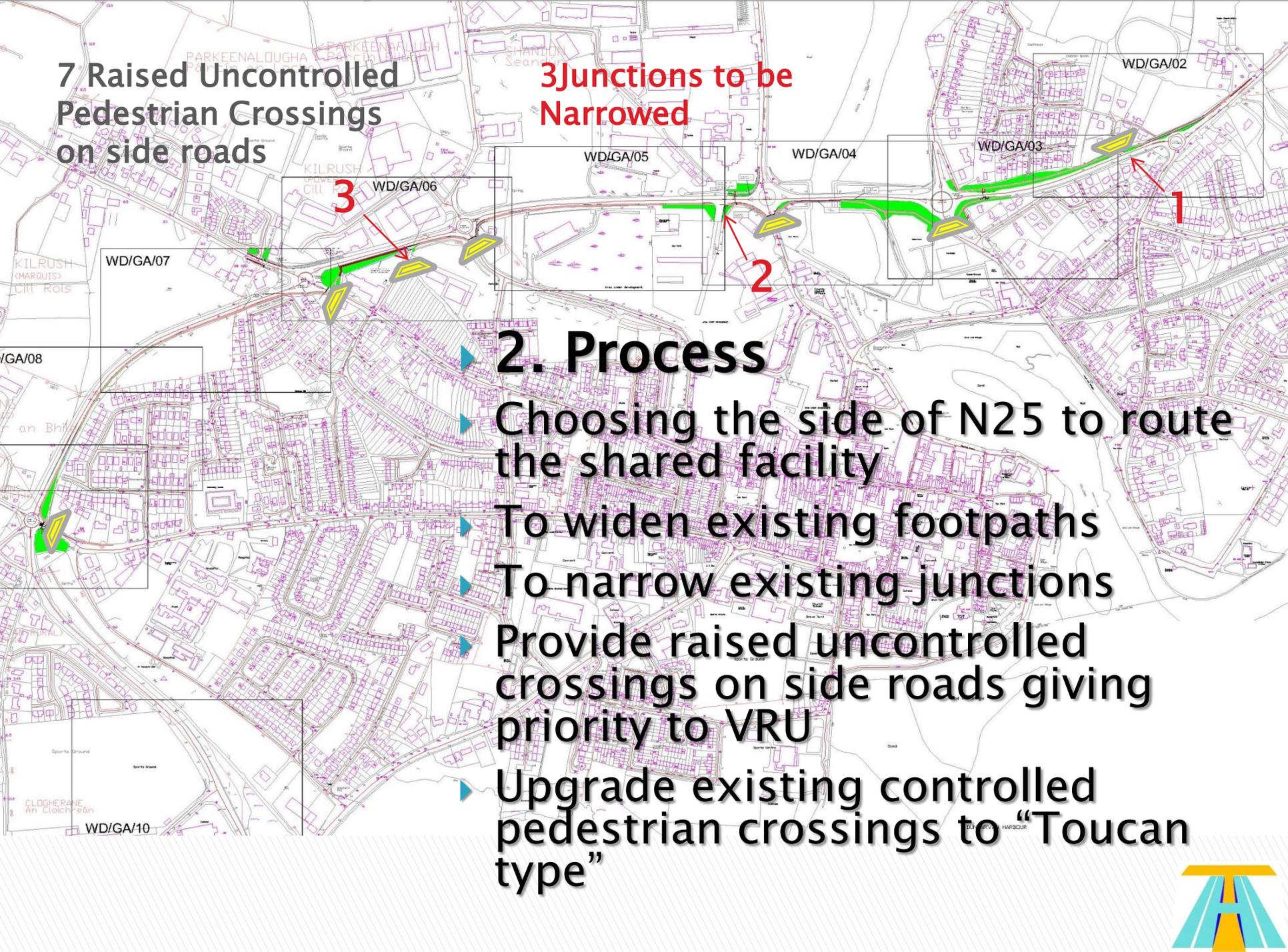
## 1. Specifics:

- National Primary going through urban area,
- 6 Roundabouts
- 1 Bridge
- High traffic volumes
- Footpaths on both side
- 2,6 km
- 60km/h zone



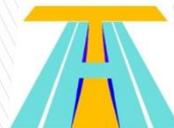
**7 Raised Uncontrolled Pedestrian Crossings on side roads**

**3 Junctions to be Narrowed**



## 2. Process

- ▶ Choosing the side of N25 to route the shared facility
- ▶ To widen existing footpaths
- ▶ To narrow existing junctions
- ▶ Provide raised uncontrolled crossings on side roads giving priority to VRU
- ▶ Upgrade existing controlled pedestrian crossings to “Toucan type”



# Junctions to be narrowed

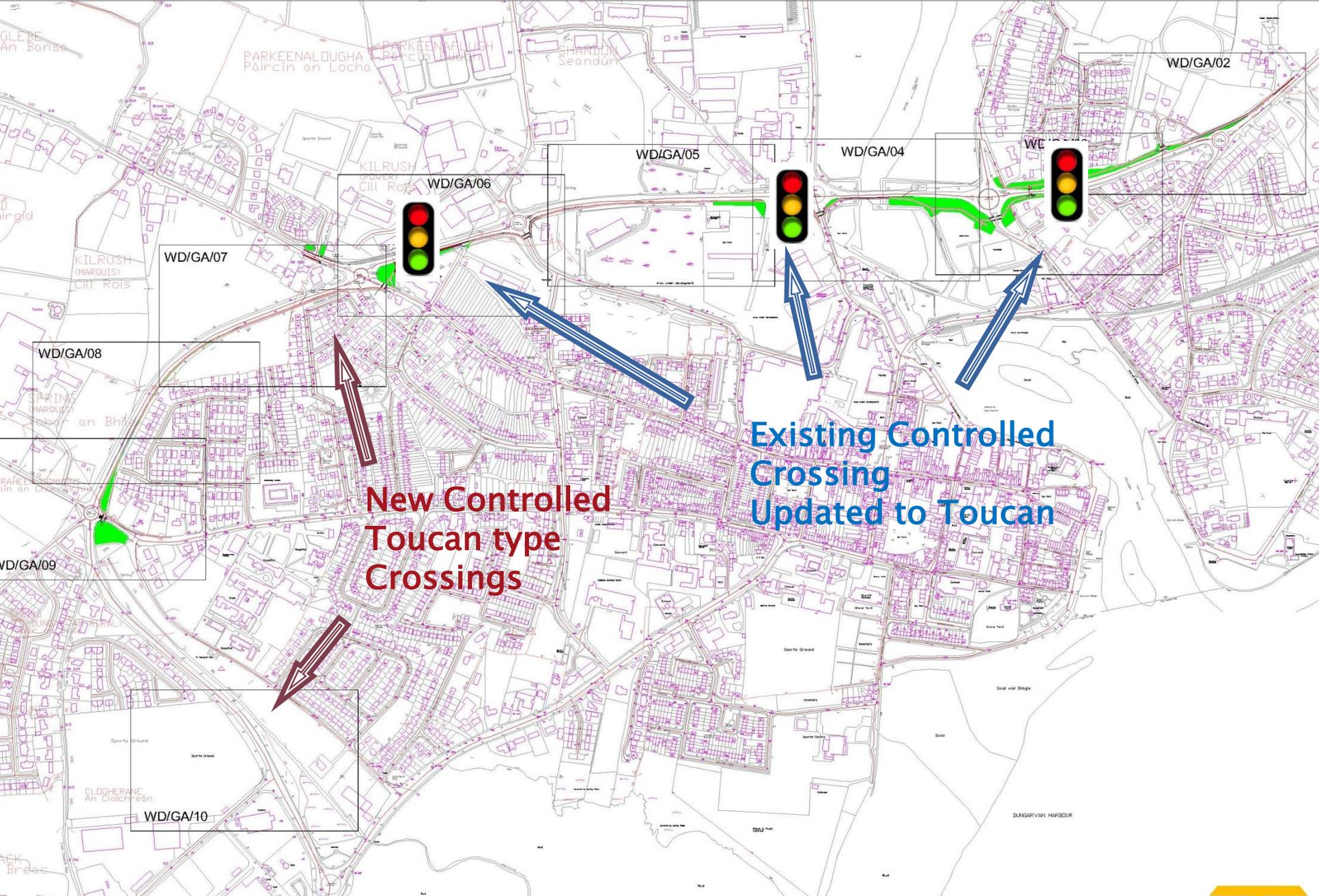


Image Date: August 2011

© 2011 Google

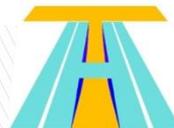
Rep





**New Controlled  
Toucan type  
Crossings**

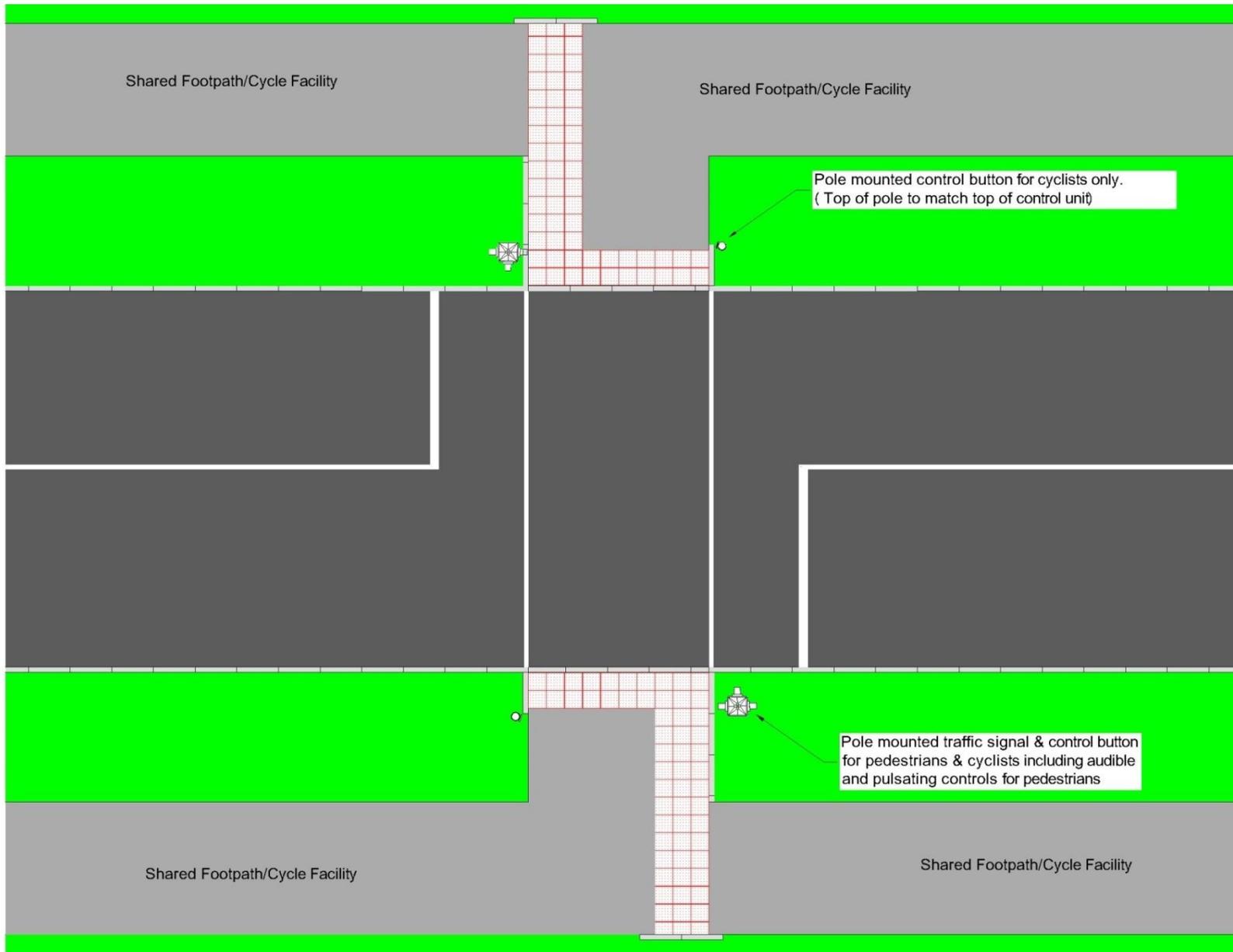
**Existing Controlled  
Crossing  
Updated to Toucan**



# Existing Controlled Crossings to be upgraded to Toucan type



# Controlled Toucan type Crossings



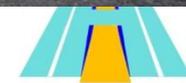
# Raised Crossings



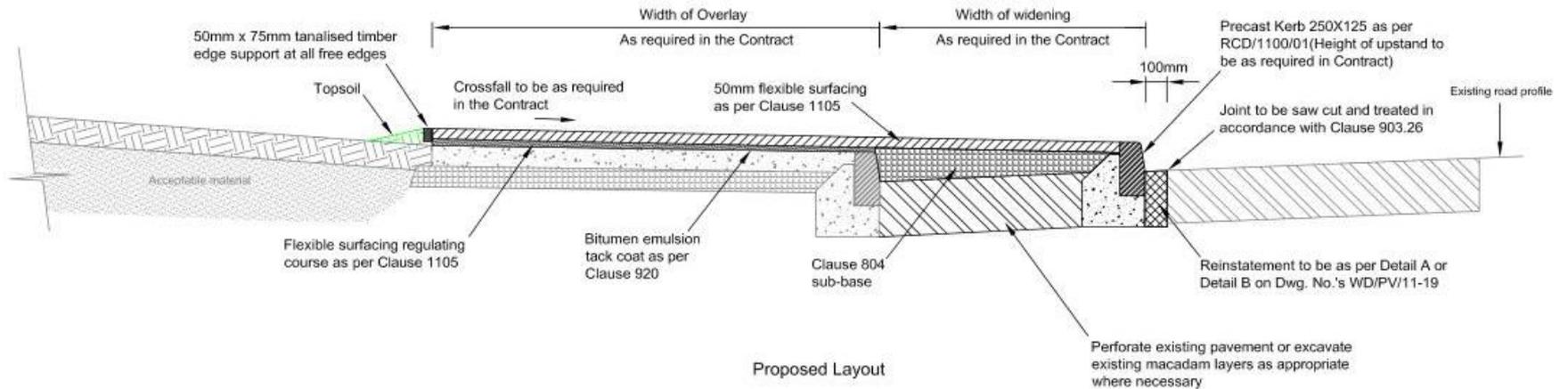
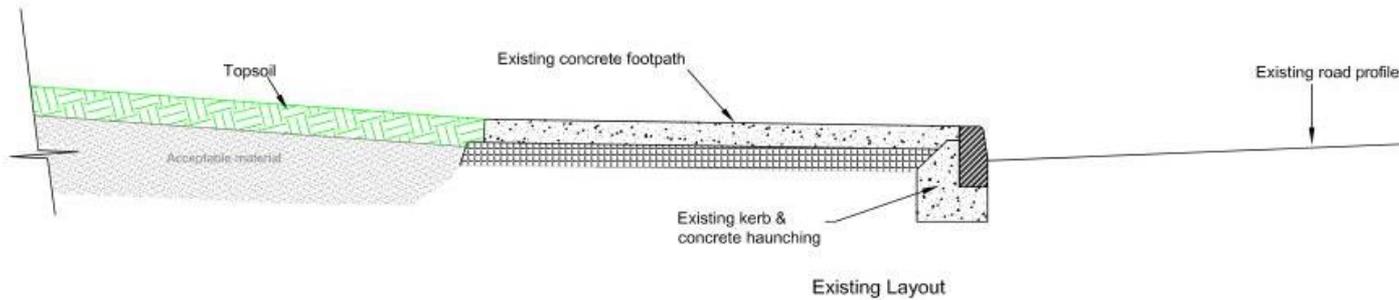
### 3. Main Design Problems

- ▶ Available space within existing Public Right of way
  - ▶ Existing services / Public lighting
  - ▶ Existing Traffic Signals
  - ▶ Drainage
  - ▶ Existing facilities for cyclist and pedestrian
  - ▶ River Bridge
- 

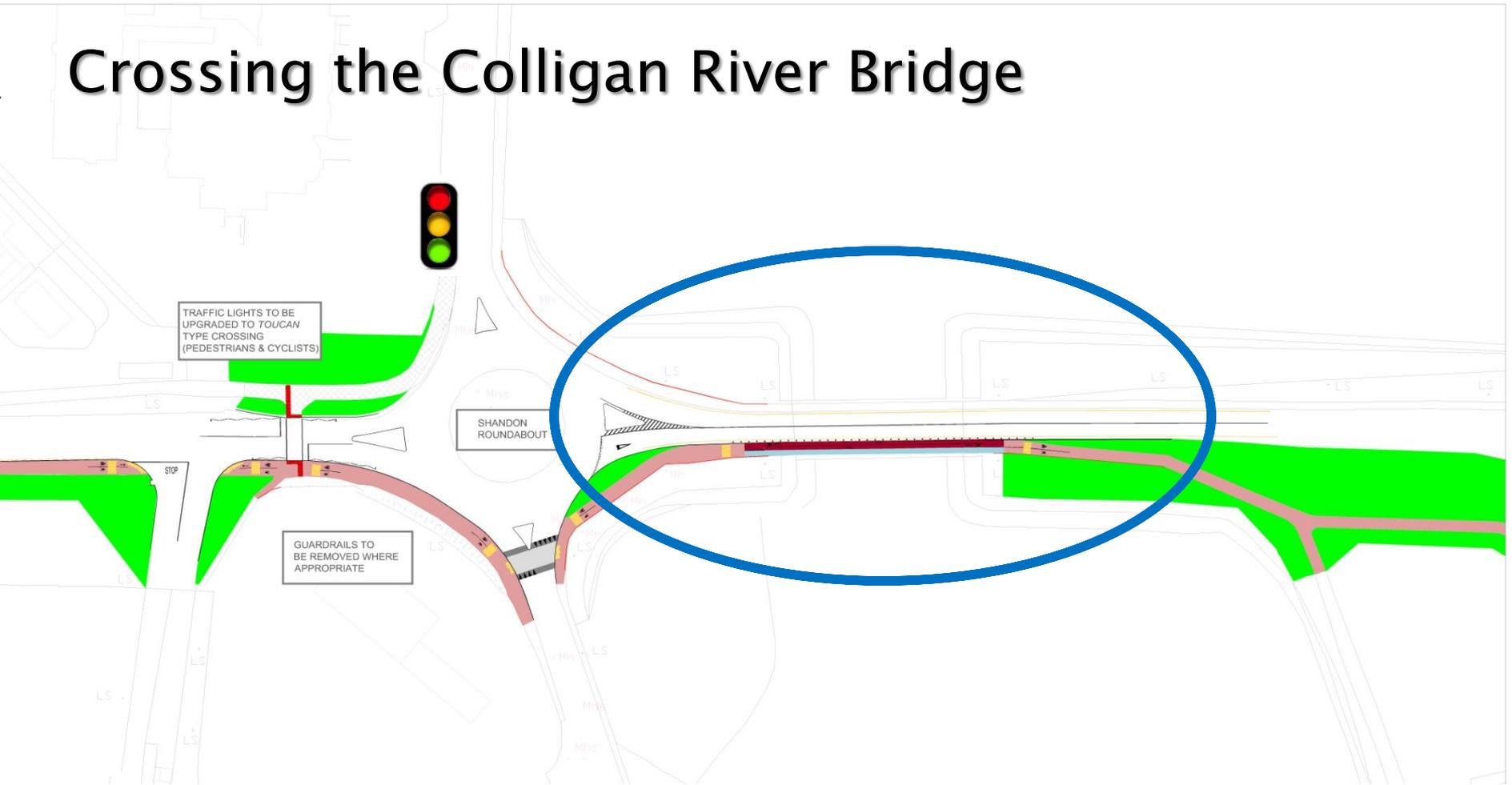
# Typical footpath to be widened



# Widening of existing footpath



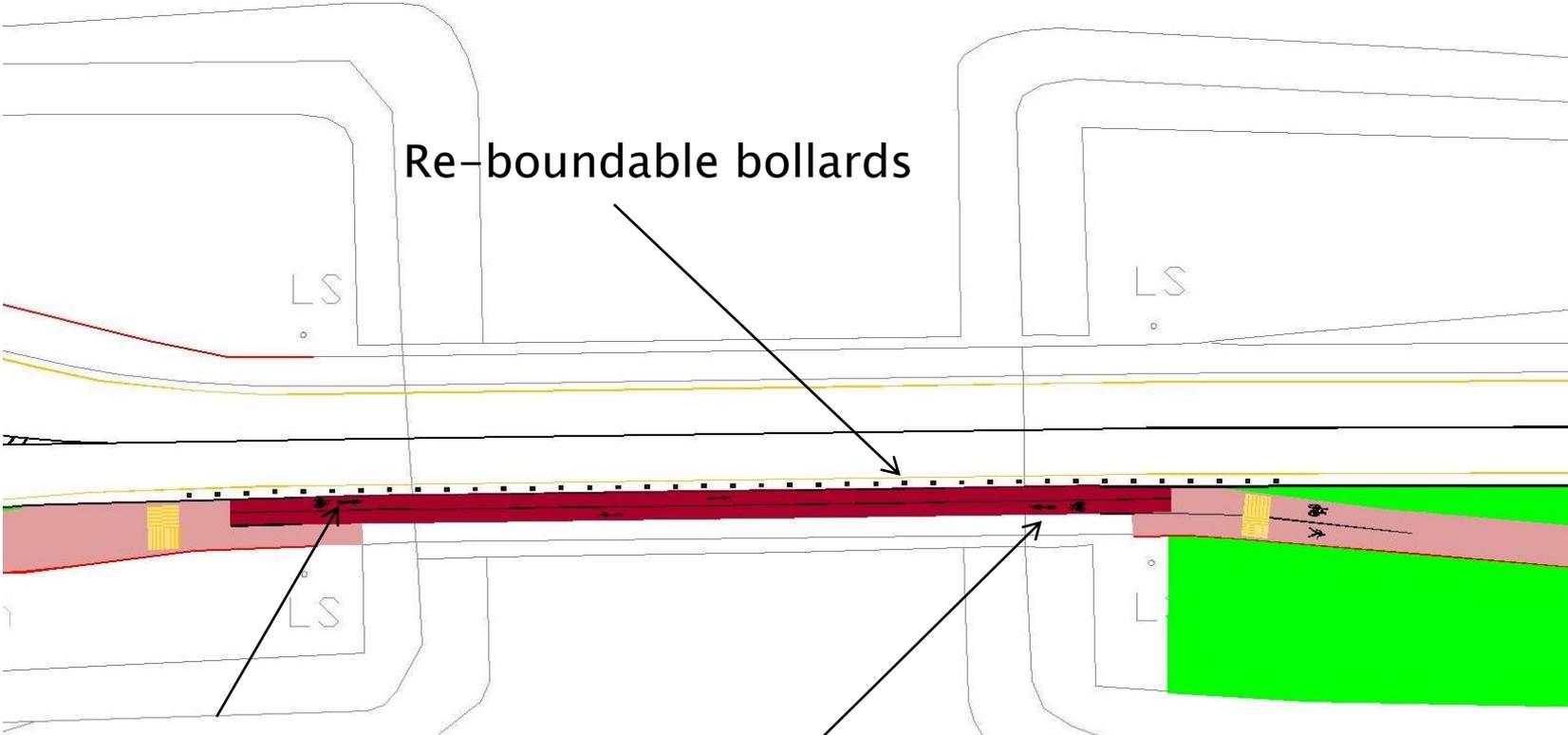
# Crossing the Colligan River Bridge







# Detail of Crossing the Colligan River Bridge



Re-boundable bollards

LS

LS

LS

L

橋

橋

Road markings applied to indicate direction of travel on the Bridge.





# Targets /improvements gained

- ▶ Scheme is due to go to tender
- ▶ Construction starts early in 2014

## What is gained/expectations:

- ▶ Dungarvan will have min 3m wide shared path, along very busy national road connecting all arterial routes into town centre
- ▶ This scheme ties into existing cycle network
- ▶ Increase safety of VRU along the N25
- ▶ We hope that building this scheme will put more people on their bicycles and indirectly improve the health and well-being of residents of Dungarvan
- ▶ And, finally, bring Benefits to the Environment





TRAMORE HOUSE

smartertravel >>>  
**GoDungarvan**

**Thank you!**

