

Bus Priority Measures in Hard Shoulders on Motorways and Type 1 Dual Carriageways

23/09/22



Why consider this?

Rationale

Reframing the problem:

There is a problem with congestion between A and B

To

There is problem moving from point A to point B at peak times



Changes in Thinking



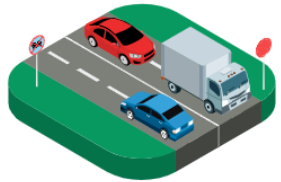
The M4 Project

Corridor Options 1 and 2

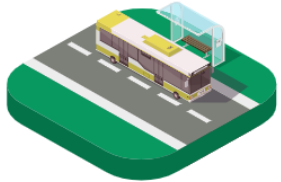


Proposed hard shoulder bus priority measures within the hard shoulder in both the eastbound and westbound directions. Land within the current road reserve boundary.

M4 - The Challenges - Traffic



Congestion on the M4, particularly at peak times. The average annual daily traffic between Junction 6 and Junction 8 increased by circa 19% between 2013 and 2019.



A sufficient modal shift from private car to public transport has not materialised. Bus services utilising the M4 must negotiate the same traffic volumes as private cars.

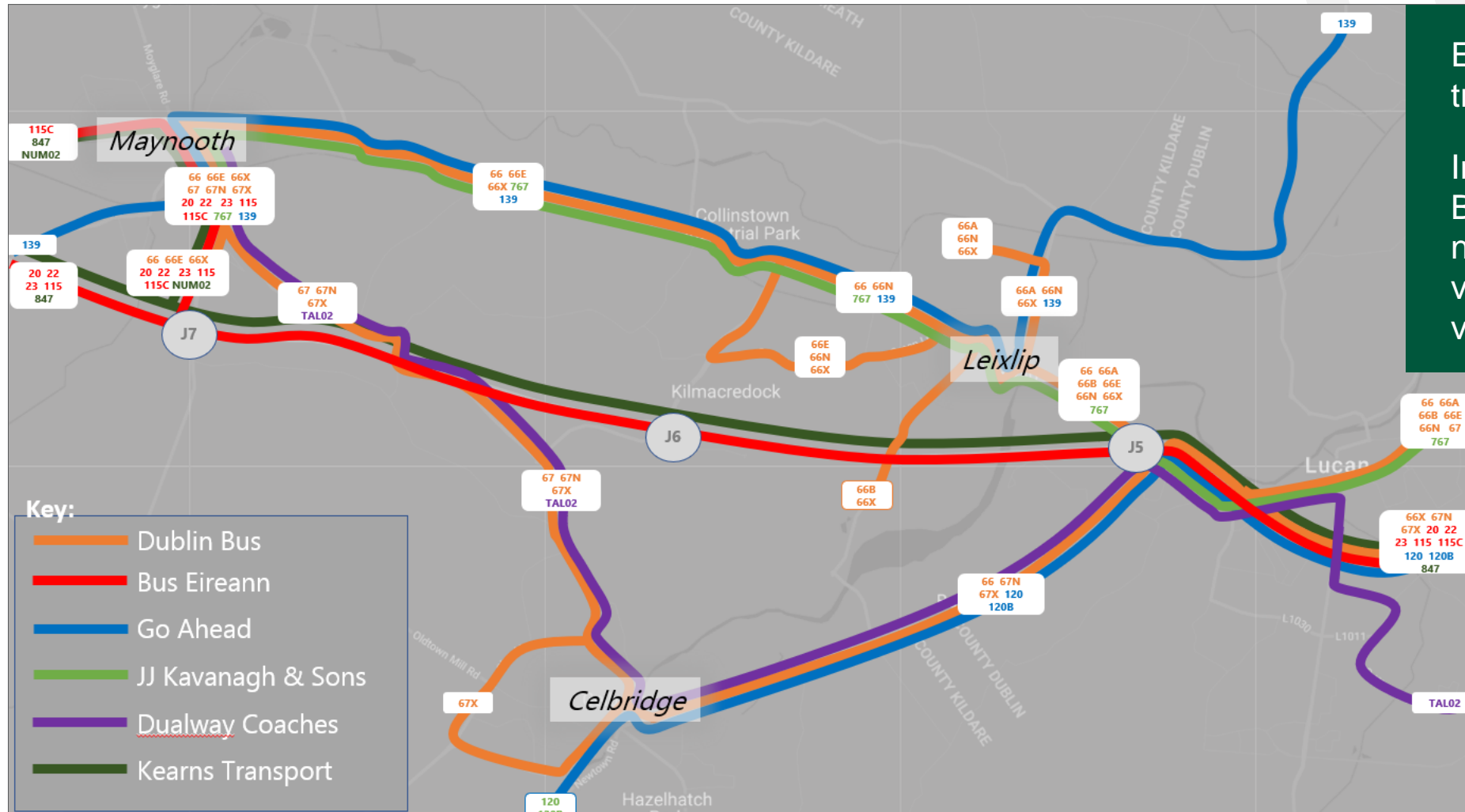


There are extensive public transport services in the study area. However, there is a relatively high dependency on private cars (>60% for Maynooth commuters).



The M4 currently serves both strategic traffic and local Greater Dublin Area traffic. This local traffic is impacting on the M4 capacity to act as a strategic route.

Existing Bus Services



Extensive Public transport in study area.

Insufficient modal shift. Bus Services negotiating same traffic volumes as all vehicular traffic.

M4 The Challenges – Scheme Orders, Legislation

Scheme Orders

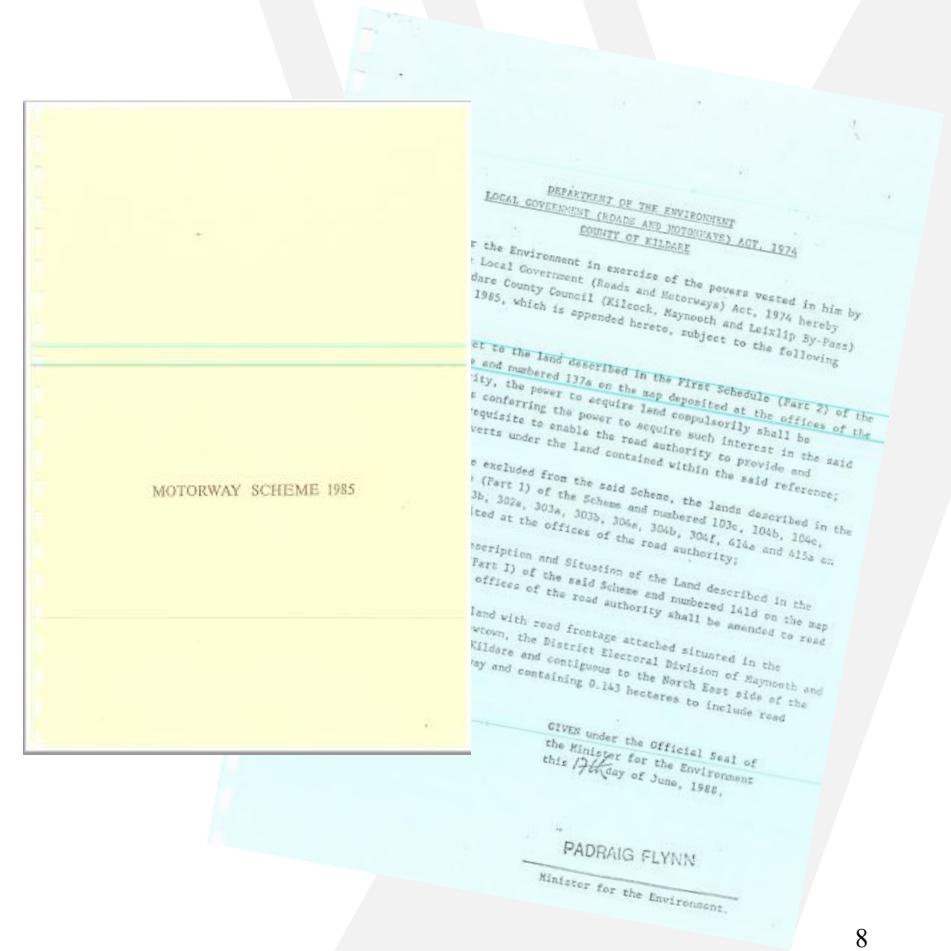
- Originally published in 1985. Do they require amendment? Is there a material change of use?

Appropriate Route for Development Consent

- EIA Screening / AA Screening
- Part 8 Process? Section 38? Full EIA?

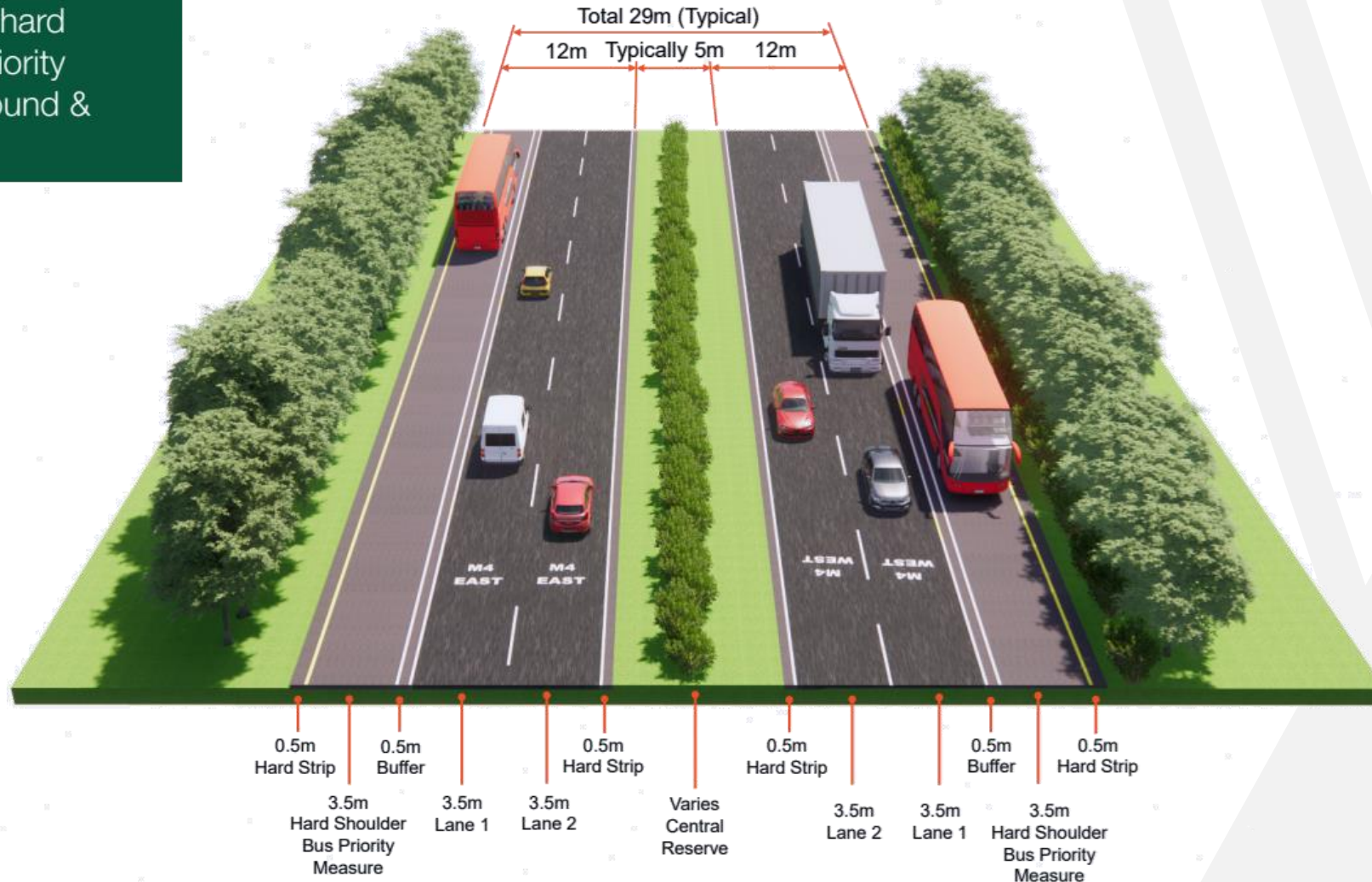
Legislation

- Current legislation needs to be amended to allow a bus lane on the motorway



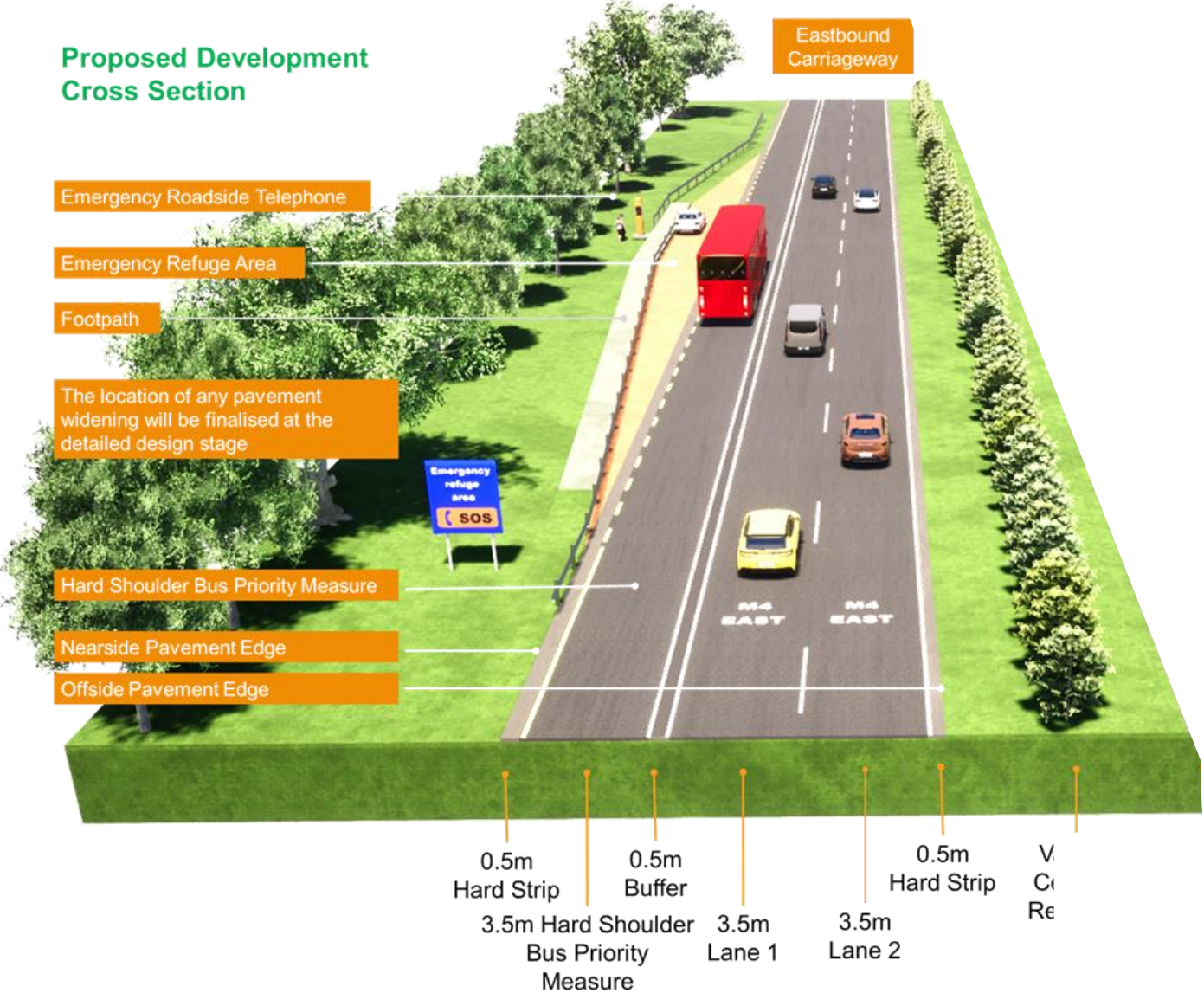
M4 - The Proposed Cross-Section

Typical detail of hard shoulder bus priority measure eastbound & westbound



M4 - The Proposed Cross-Section with ERA

Proposed Development Cross Section



M4 – Junction 6 - Celbridge





Junction 6
Diverge

Junction 6
Merge

2:22



M4 – Junction 5 – Leixlip Junction



Springfield

Apco Garden Design

Liffey Valley Park

River Liffey

R148

R403

Tara Park, Leixlip

M4

M4

5

5

N4

McCoy Motors

Carr Secretarial

Inisfail

Auto Solutions Weston

Midwife Fiona's one to one & group Antenatal...

Weston Ave

Big Top Multimedia

Top Dogs Canine Centre

Dog Walkers Lucan

Stove Fitting Dublin

Lucan Sp

Lucan Lodge Guest House

Weston Way

Weston Ct

Dry Dash Dublin

Kew Park



Junction 5
Diverge

R403 Overbridge

R403 to Celbridge

Junction 5
Merge



The Opportunity for all of us



N4 Video

