



An Roinn Iompair
Turasóireachta agus Spóirt
Department of Transport,
Tourism and Sport

ROADS Services Training Group

LOCAL AUTHORITY ROADS CONFERENCE and EXHIBITION - 2018

Lyrath Estate Hotel, Kilkenny, May 2018.

LOCAL AUTHORITY ROADS CONFERENCE and EXHIBITION – 2018

The Local Authority Role in Managing Road Safety

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Basic Functions

- ❑ Maintenance and improvement works on all regional and local roads within the administrative area
- ❑ Setting speed limits in line with legislation and in case of national routes in consultation with NRA and An Garda Síochána
- ❑ Faults with public lighting
- ❑ Hedge/tree cutting
- ❑ Drainage

Basic Functions cont...

- ❑ Flooding/spillages
- ❑ Winter maintenance (e.g. salting)
- ❑ Temporary closure of roads
- ❑ Traffic diversions
- ❑ Promotion of road safety at local level through the Road Safety Officer for the County
- ❑ Consideration of road safety issues in the granting of planning permission

Maintenance & Improvement Challenges

- ❑ Annual Roads Works Programme
- ❑ Potholes
- ❑ Surface Dressing (skid resistance)
- ❑ Strengthening
- ❑ Temporary and Dynamic
- ❑ Weather factors
- ❑ Quality of materials (grade, strength, psv)
- ❑ Damage from heavy vehicles
- ❑ Low Cost Safety Improvement Grants

Low Cost Safety Improvement Grants

- ❑ Each site selected should have a "treatable" collision problem.
- ❑ Each treated site should achieve a minimum of 30% - 40% reduction in collisions.
- ❑ Some locations showing demonstrable hazard may also be considered.
- ❑ WCC submitted 17 2018 application DTTAS funding requested €284,000.
- ❑ Grant allocation of €249,000 for 16 schemes announced in February 2018.

Mye Crossroads, Ballycoursey Beg

2013 prior to sightline improvement works



Mye Crossroads, Ballycoursey Beg

2017 following sightline improvement works



Silversprings Junction

2017 prior to sightline improvement works



Silversprings Junction

2017 during sightline improvement works



Oaklands Roundabout New Ross



Oaklands Roundabout New Ross



Oaklands Roundabout New Ross



SCRIM MAPPING



**SCRIM® - Sideway-Force
Coefficient Routine
Investigation Machine**

- Measure the skid resistance over extensive stretches of a road network (investigatory levels 3.0 to 4.5)
- National routes
- Test road accident locations.
- Make informed decisions - map and colour code for maintenance priorities regional roads 2018.

Traffic Calming

- ❑ Village Gateway and Entry Treatments
- ❑ Traffic Islands (Refuges)
- ❑ Vertical Deflection (Ramps, Speed Tables, Speed Cushions, Over-Run Areas)
- ❑ Warning Signage and Line Marking
- ❑ Horizontal Deflections (Build-Outs, Pinch Points and Chicanes)
- ❑ Roundabouts (Mini and Compact)
- ❑ Junction Realignment, Junction Priority Alterations and Road Closures
- ❑ Pedestrian Crossings

Draft Traffic Calming Policy

- ❑ To incorporate traffic-calming measures at the planning and design stage of any new schemes.
- ❑ The Introduction of an appraisal system for traffic calming on existing roads and estates.
- ❑ The Introduction of a prioritising scheme selection system for traffic calming schemes on existing roads and estates.
- ❑ The Introduction of a Central Database for Traffic Calming Schemes.

TII Pilot Road Safety Inspections



- The primary purpose of RSI's are to proactively identify issues along the road network that relate to forgiving roadsides.

TII Pilot Road Safety Inspections

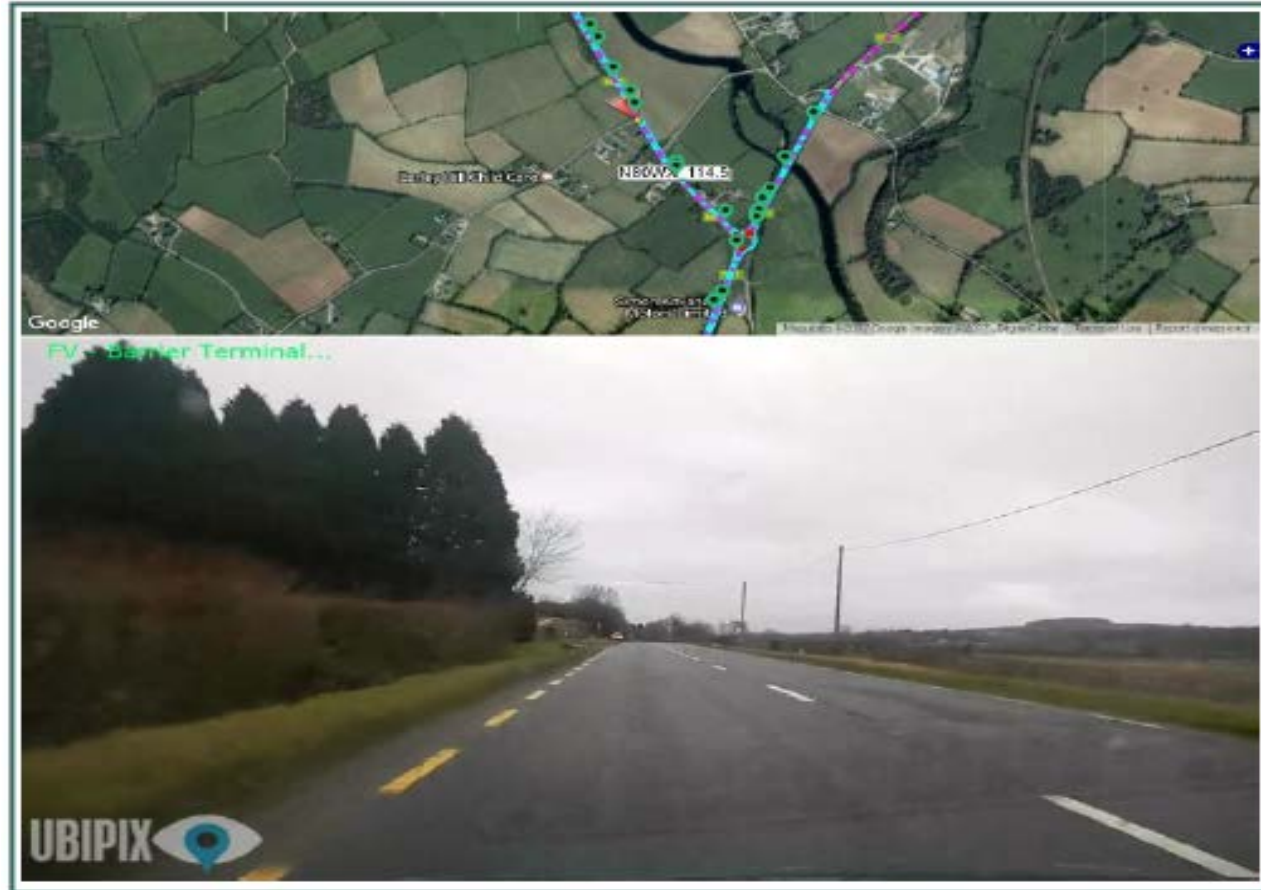
- ❑ Wexford county Council pilot for RSI
- ❑ Priority 1 sites to WCC for investigation
- ❑ Works on 11 sites 2017 €78,274
- ❑ 6 locations will require consultant engineer
- ❑ Designs to be agreed shortly
- ❑ Priority 2 sites assessment during 2018

Example TII Road Safety



Telegraph pole on bend N30

Example TII Road Safety



Large ditch N80

Example TII Road Safety



No tactile pavement on dropdown on kerb for visually impaired N30

Setting Speed Limits

- ❑ Special Speed Limit bye Laws March 2008
- ❑ National guidance DTTAS March 2015
- ❑ TII Review national limits 2016
- ❑ 30km/h Slow Zone Housing Estates
- ❑ New draft byelaws
- ❑ 250 Housing Estates are to have a 30 km/h Slow Zone (1/4 across Wexford)
- ❑ June 2018 Council meeting
- ❑ July signage implementation

Street Lighting

- Report a fault (2,500 repairs per year)

The screenshot shows the Wexford County Council website. At the top left is the Wexford County Council logo. A search bar contains the text 'I am searching for...'. To the right of the search bar are icons for home, email, Twitter, and location. Below the search bar is a breadcrumb trail: 'Home > Roads, Travel & Parking > Street Lighting Faults'. The main heading is 'Street Lighting Faults'. Below this is a section titled 'Report a broken street light' with a sub-link 'Report a faulty or broken street light by clicking here.' and instructions: 'Find the lampost on the map and log the fault. If it is within our remit it should be resolved within 10 working days. If the fault has already been logged you won't be able to log it again.' To the right is a 'Related' section with links: 'Road Issues and Complaints', 'National Roads Projects', 'Parking and Parking Fines', 'Street Lighting Faults' (highlighted), 'Licences and Permits', 'Speed Limits', 'Cycling and Public Transport', and 'Winter Service Plan'. At the bottom of the page is a dark grey box with the text 'How can we improve this page?'.

- Maintenance Contract drive through inspections (4,372 public lights)
- LED upgrades (65% savings; 30-40% power 15 year life compared to 2 years)
- 50% of all lanterns by 2020

Hedge/Tree Cutting - Challenges

- ❑ Landowner Responsibility
- ❑ National Roads verges
- ❑ Stop/go management
- ❑ Wildlife Act March to September



Drainage

- ❑ Irish Water – combined sewers only
- ❑ Removal of ditches
- ❑ Filling in of water courses
- ❑ Crop harvesting (potatoes in wet season)
- ❑ Run off drainage blocked
- ❑ Development requiring increased drainage
- ❑ Transient and long lengths
- ❑ ESB Code of Practice

Flooding and Spillages

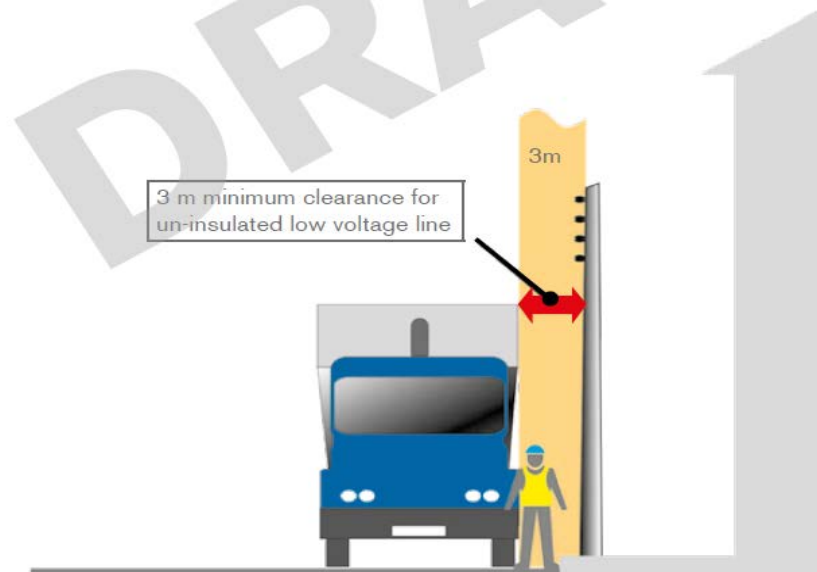
- ❑ Always of an emergency nature
- ❑ Potential water contamination
- ❑ River flooding left to disperse
- ❑ Flood relief schemes
- ❑ Oil spills - new high pressure jet bowzers



ESB Code of Practice

- ❑ Rural routes tasks short duration
- ❑ Significant lengths of ESB cable

Figure 9: Road resurfacing parallel or near an un-insulated low voltage line



Winter Maintenance



Winter Maintenance - Challenges

- ❑ Annual Winter Service Plan
- ❑ 3.500 km of road in Wexford
- ❑ Pre-ice salting (10g per m²)
- ❑ Post-ice salting (20g per m²)
- ❑ 50-60km per truck
- ❑ Prioritisation – traffic and traffic volume (e.g. hospitals, emergency services)
- ❑ Priority 2 roads prioritised
- ❑ Health and Safety

Temporary Road Closures

- ❑ Increasing for health and safety reasons
- ❑ Map Alerter



- ❑ Formal notification 6 weeks in press
- ❑ Events

Just 1 Life

- ❑ 2007 WCC and Wexford Rotary Club
- ❑ Aimed at Transition Year Students
- ❑ 20 Secondary Schools 1,500 students
- ❑ 12,000 since it began
- ❑ “shock and awe” approach

“Hazard and Perception” delivered by An Garda Siochana

“Psychology, Peer Pressure” delivered by Wexford Mental Health Services

“Sheer Devastation” delivered by Wexford County Fire Service

“Accidents do Happen” delivered by A&E Consultant, Wexford General Hospital

Cycle Safety

- www.wexford.ie/bikesafety
- 2017, 15 cyclists killed 50% increase on 2016.
- 1.5m (over 50km/hr) 1m all other roads
- Vehicle Information on all fleet
- Video Campaign

Video Campaign Results

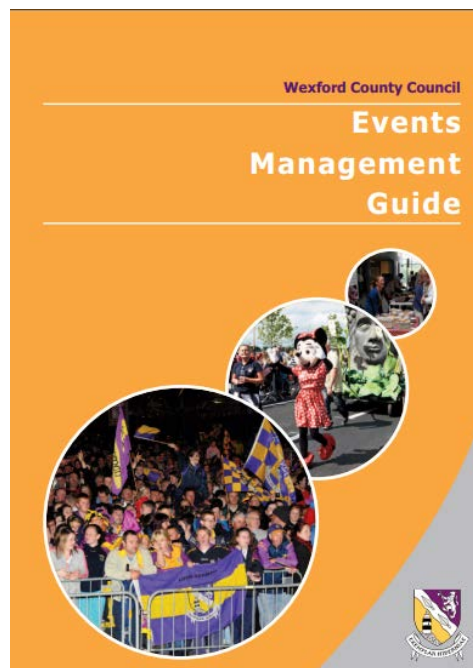
	Description of Video	Release Date	Stayin Alive 1.5 Facebook Page	Beat 102103 FB Page	Done Deal FB Page	Youtube Channel	Total
Video 1	Overtaking a single cyclist	Jan-29	195130	9704	2990	1075	208899
Video 2	Overtaking a cyclist vs a tractor	Jan-30	42872	8210	2105	1333	54520
Video 3	Cyclists use the hard shoulder	Jan-31	7466	11263	3732	628	23089
Video 4	Why cyclists cycle in groups	Feb-01	143737	9814	6467	59835	219853
							506361
	Figures as of April 21st 2015						

Cycle Safely



Events Management

- ❑ Formal online application for all events
- ❑ Automatic e-mails
- ❑ Facilitates works and road closures



The End

**THANK
YOU
for
LISTENING
ANY QUESTIONS?**