

Road Safety Engineering

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National Roads Authority

National Roads Authority – Standards Section Training

April 2015



Topics for Discussion

- NRA HD15 – Network Safety Ranking
- NRA HD16 – Temporary Safety Measures Inspection
- NRA HD17 – Road Safety Inspections
- NRA HD18 – Road Safety Impact Assessment
- NRA HD19 – Road Safety Audit
- IAN Towns and Villages

NRA HD15

Network Safety Ranking – Dec 2014

- Minor Amendments to the Standard
- Access to Collision Data
 - Collision Data relating to National Roads can be requested from infosafety@nra.ie
 - Data only available if working on National Road Schemes.
 - NRA Safety Data Sharing Agreement to be signed in advance

NRA Collision Data

Table Tools | Road Collision Data

Home Create External Data Database Tools Add-Ins Acrobat Datasheet

ID	OBJECTID	ACCNUM	TYPE	DAYS	MONTHS	YEARS	WEEKDAY	SPLITIT	RTENUM	LIGHT	WEAT1	SiteID	Ref_Pop	Latitude	Longitude	X_ITM	Y_ITM
5597	66	130	1	10	2	9	3	100	8	1	3	N08TY_052.0	Motorway	52° 33.479873' N	7° 51.118864' W	610036.957187	645196.753564
5696	23	118	1	15	4	9	4	120	7	2	2	N07LS_068.0	Motorway	53° 4.433969' N	7° 12.347707' W	653219.573124	702881.973417
5760	187	153	1	25	4	9	7	100	50	2	2	N50DN_025.2	Motorway	53° 19.079990' N	6° 22.079712' W	708737.761474	730990.221081
5776	203	169	1	28	12	9	2	120	11	7	8	N11WX_075.0	Motorway	52° 42.773897' N	6° 15.263613' W	717945.020981	663850.238232
6116	613	39	1	6	10	9	3	120	18	6	1	N18CE_061.0	Motorway	52° 51.300034' N	8° 56.220075' W	536893.906188	678642.521456
9406	1	34	1	8	4	12	1	60	4	4	2	N04WH_064.0	RuralDualCarri	53° 30.516438' N	7° 14.876836' W	649886	751221
9408	3	36	1	13	4	12	6	100	4	1	1	N04WH_074.0	RuralTwoLane	53° 33.903797' N	7° 21.449516' W	642563	757432
9413	8	41	1	25	4	12	4	100	20	1	2	N20CK_015.0	RuralTwoLane	51° 59.367957' N	8° 35.266275' W	559631	582099
9415	10	43	1	27	4	12	6	120	8	1	1	N08CK_127.9	Motorway	52° 1.739981' N	8° 19.549939' W	577641	586384
18950	42	45	1	1	10	10	6	120	7	1	1	N07KE_033.0	Motorway	53° 10.465657' N	6° 44.786955' W	683803.386902	714506.59754
18970	62	66	1	22	2	10	2	120	7	6	5	N07LS_075.0	Motorway	53° 1.160777' N	7° 15.881465' W	649335.277326	696770.021096
18980	72	76	1	14	2	10	1	120	9	6	1	N09KE_027.0	Motorway	52° 57.769718' N	6° 51.437370' W	676769.072262	690839.752407
18989	81	85	1	6	3	10	7	100	6	4	1	N06RN_068.0	Motorway	53° 25.041976' N	7° 59.176669' W	600912.196143	740805.031441

Acc No	Type	Date	Time	Day	No Veh	No Ped	Light Condition	Weather	Surface	Junction Control	Road Character	Road Marking	Skidding	Junction Type	Primry Coll Type	Single Vehicle Collided With	Ped Action	Ped Sex, Age, Severity	Driver Action	Veh 1	Driver Sex, Age, Severity	Veh 2	Driver Sex, Age, Severity	Open Location	Open PC16 PDF	Commentary
201102167	Minor	15/07/2011	10:30	Fri	2	0	Dy Gvis	Dry	Dry	Unk	Stt		No		AR Trn			,0,		M,26,N	F,27,N			MAP	PDF	RSA Collision ID 201102167, Minor on Fri, 15 of Jul 2011 @ 10:30 2 Vehicle's & 0 Pedestrian Collision Occurred on a Dry Surface in the Dry in the Dy Gvis. Vehicle 1 was a Vehicle 2 was a
201102150	Minor	07/09/2011	10:17	Wed	2	0	Dy Gvis	Wet	Wet	Unk	Stt		No		Re St			,0,		M,29,M	,30,N			MAP	PDF	RSA Collision ID 201102150, Minor on Wed, 07 of Sep 2011 @ 10:17 2 Vehicle's & 0 Pedestrian Collision Occurred on a Wet Surface in the Wet in the Dy Gvis. Vehicle 1 was a Vehicle 2 was a
201102130	Minor	24/10/2011	15:00	Mon	1	0	Dy Gvis	Wet	Wet	Unk	Stt		Unk		SVO	Tree		,0,		M,29,M	,0,			MAP	PDF	RSA Collision ID 201102130, Minor on Mon, 24 of Oct 2011 @ 15:00 1 Vehicle's & 0 Pedestrian Collision Occurred on a Wet Surface in the Wet in the Dy Gvis. Vehicle 1 was a Vehicle 2 was a
10297337	Minor	06/10/2013		Sun	0	0	Dy Gvis	Dry	Dry	Unk	Stt			T Jnt						MAP	PDF	Pulse ID 10297337, Minor on Sun, 06 of Oct 2013 @ Collision Occurred on a Dry Surface in the Dry in the Dy Gvis
10197076	Fatal	28/08/2013		Wed	0	0	Dy Gvis	Dry	Dry	Unk	Stt									MAP	PDF	Pulse ID 10197076, Fatal on Wed, 28 of Aug 2013 @ Collision Occurred on a Dry Surface in the Dry in the Dy Gvis



NRA HD16 Temporary Safety Measures

- Notification Process

“2.7 All Road Works that include temporary Safety Measures on National Roads shall be registered on the NRA temporary Safety Measures web based database prior to implementation. To register for access to this website, email your request to tsmi@nra.ie.”

- Frequency of Inspections

Table 2/1 Frequency of Inspections

Duration of Road Works	% of sites to be inspected per annum	Frequency of Inspection
Exceeding 1 year in duration	100% of sites to be inspected	Quarterly
6 months to 1 year duration	100% of sites to be inspected	Two Inspections
1 month to 6 months in duration	50% of sites to be inspected	Single Inspection
Greater than 1 day, less than 1 month	10% to 20% of sites to be inspected	Single Inspection
1 day in duration	Random	Single Inspection

NRA HD16 Portal

Create Saved



Create New Works Record

Type

Linear Point Disabled

Select the type of feature you wish to create or choose Disabled to turn off the tool.

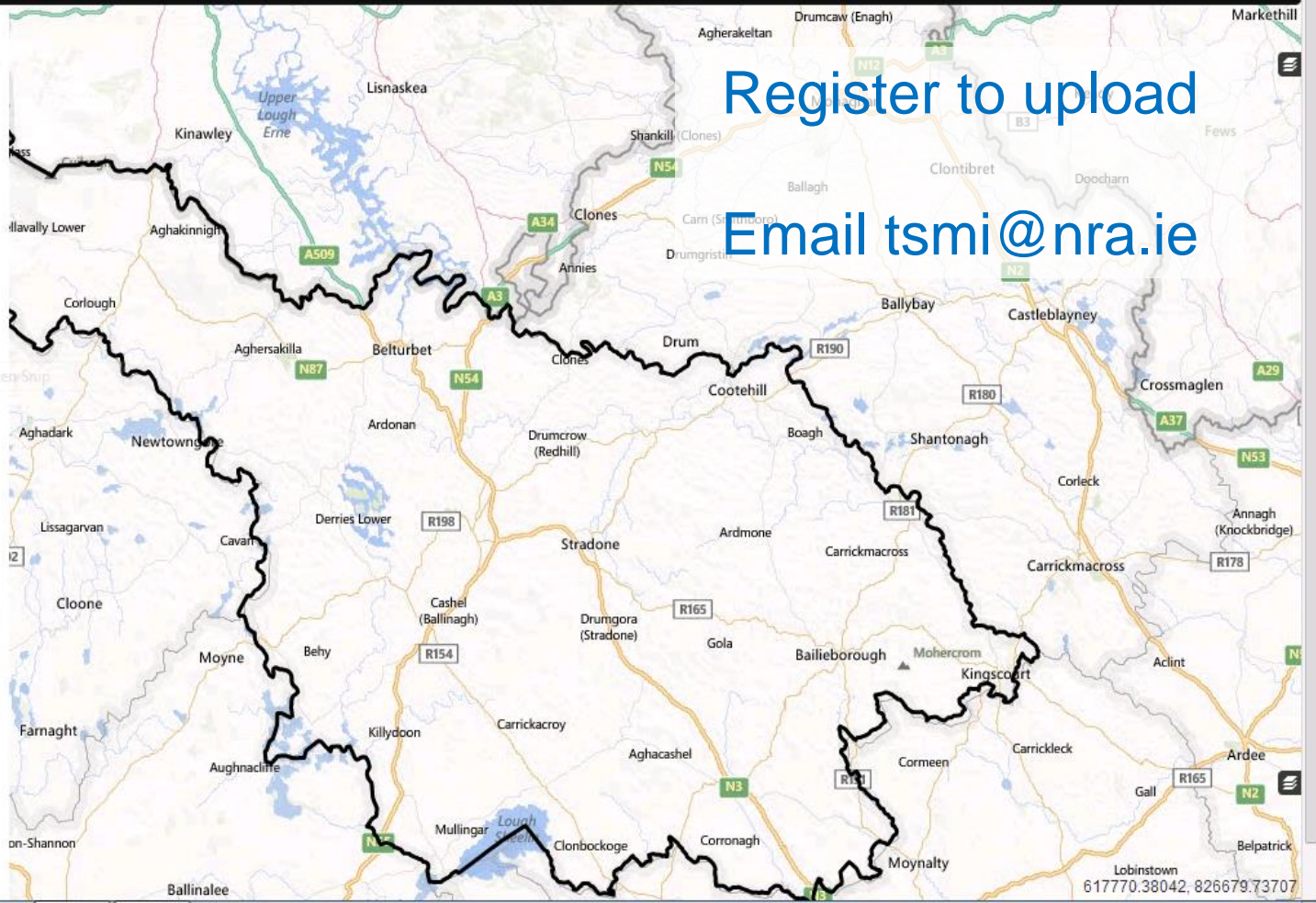
Controls

Clear Feature Zoom To Feature

Linear Feature: Click to identify the location of each point on the feature. Double click to complete feature creation.

Description

Save Cancel



Register to upload
Email tsmi@nra.ie

NRA HD17

Road Safety Inspections

- Minor Amendments to the Standard
- The list of information required has been revised
- All data has to be captured in a spatial video format.

NRA HD18 Road Safety Impact Assessments

- Some of the definitions have been revised.
- SI 472/2012 needs some minor changes.
- Can't publish HD 18/15 or HA 18/15 until the SI has been amended.

NRA HD 19 Road Safety Audit

- Revised Definitions
 - **Road Scheme.** A scheme designed in accordance with NRA DMRB which results in new road construction or **permanent** change to the existing road or roadside layout
 - **Development Scheme.** A scheme which results in a change to the road or roadside layout that is initiated and/or executed for commercial or private development

NRA HD 19 Road Safety Audit

- Scope of Audit
 - Adverse bearing on Road Safety
 - Identify potential SAFETY hazards
 - Recommendations must be feasible

NRA HD 19 Road Safety Audit

- Stages of Audit
 - Stage F, Stage 1, Stage 2, Stage 3
 - **Stage 4**

NRA HD 19 Road Safety Audit

- Designers Response on Feedback Form
 - The Designer shall consider the Audit Report and prepare a Designer Response to each of the recommendations, using the Feedback Form
 - The response shall **state clearly** whether the recommendations are accepted, rejected, or whether an alternative recommendation is proposed.

NRA IAN for Towns and Villages

- Developing an IAN
- Traffic Calming
 - For Rural Towns and Villages on National Roads Only
 - Transition from 100km/h to 60km/h
 - Transition from 60km/h to Urban Centre
- Pedestrian Crossing advice

Thank you for listening

Forbes Vigors

Project Manager Road Safety

National Roads Authority

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