

Laois County Council Áras an Chontae, Portlaoise, Co. Laois

TII Conference September 2019

Farhan Nasiem



Laois County Council Áras an Chontae, Portlaoise, Co. Laois

Introduction

 Farhan Nasiem – Senior Executive Engineer Road Design – Laois County Council

• Brief outline on how Laois County Council Manages & Implements RSIs





Introduction

- TII approached LCC in July 2018 to undertake RSI improvement works as per TII Publication Road Safety Inspection AM-STY-06044
- TII provided LCC with N77, N78 & N80 NS Route RSI Feasibility Reports & lists of RSI's summarised

County Laois, Priority by Route

N80 TII External Work

PRIORITY	Total Su	um of COST
3	3	9,813
5	11	37,910
6	40	923,658
7	6	865,692
8	42	106,681
Ex. Item	2	0
Grand Total	104	1,943,754

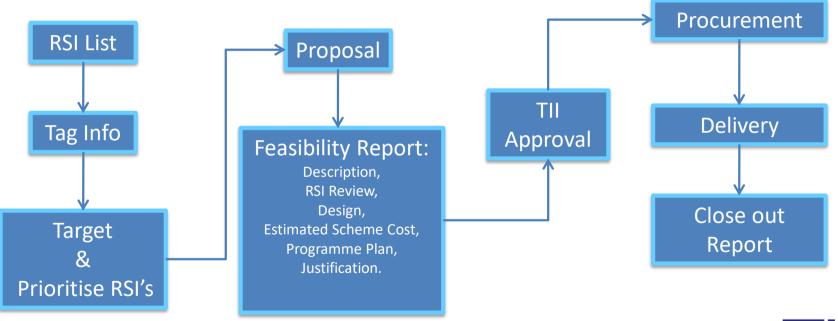
N80 TII External Work		
PRIORITY	Total	Sum of COST
Lighting	7	214,964
Local Issue for Local Authority	27	147,633
Minor Alignment - Landtake Required	28	1,010,875
Minor Alignment - No Landtake Required	6	44,621
Surface / Pavement	9	54,920
Traffic Signal Review	2	225,825
Utility Provider	7	30,320
Vegetation	1	1,167
VRU Provision	17	213,430
Grand Total	104	1,943,754

Example of N80 104 summarised RSI's





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What we did:

- 1. Select projects
- 2. In house design or ready to go sites with highest priority
- 3. Feasibility report, TII approval, procurement & delivery.
- 4. Some RSI issues are included in 2019 & 2020 Pavement Schemes





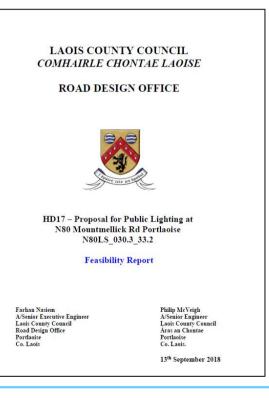
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WHAT WE DID:

1. When we received projects from TII

2. How we delivered







PROJECTS DELIVERED IN 2018/2019

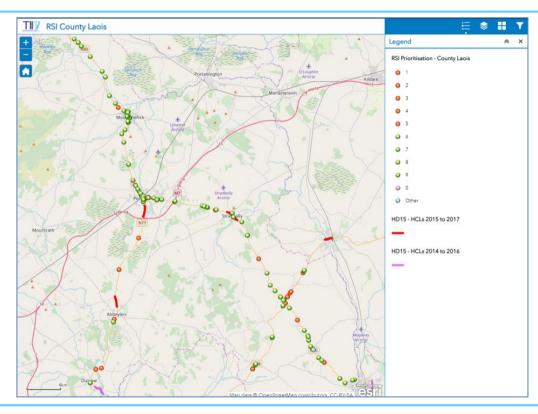
- 1. N80 Abbeyleix Rd Roundabout Portlaoise pedestrian crossing upgrade
- 2. N80 Market Square Portlaoise pedestrian crossing upgrades
- 3. N77 Abbeyleix Rd Portlaoise improved insufficient lighting
- 4. N80/Bay Rd junction Mountmellick improved insufficient lighting & signage
- 5. N80 Tullamore Rd Mountmellick ESB poles relocated due to close proximity to road edge of kerb line
- 6. N80 JFL Ave Roundabout Portlaoise improved insufficient lighting and pedestrian crossing upgrades
- 7. N80 junction with R427 in Stradbally installation of new pedestrian crossing and improved insufficient lighting
- 8. N80 Mountmellick Rd Portlaoise ESB poles relocated due to close proximity to road edge of kerb line and improved insufficient lighting
- 9. N77 Durrow improved insufficient lighting
- 10. N78 Ballylynan Removal of roadside hazard (tree)
- 11. N80 Simmons Mill Removal of roadside hazard (milk tank)
- 12. N80 Coolhenry Removal of roadside hazard (trees)





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- Target Priority 1,2 and 3 issues
- Prioritise using RSI GIS and Excel

Spreadsheet

- Submit proposals for the coming year in December
- Select deliverable schemes





- Bigger schemes may require consultants
- Can apply for consultants and run mini competition
- Can elevate Priority 6, 7 & 8 if justified, maybe there are more incidents after the RSI Survey was carried out.
- Try to include in pavement schemes





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- Example of N80 Mountmellick Rd Portlaoise
- This were 4 lower priority RSIs on the road with priorities 7 & 8.
- RSI's were for insufficient lighting, roadside hazards of utility poles, gullies too low, and issues with footpaths levels at crossings.
- Solution involved civil works such as trenching for ducting, footpath repairs, lighting upgrade and repair of footpaths.
- They were grouped together in the one proposal and the priority was elevated due to an upcoming pavement scheme.





Examples - RSI 33138 N80 Co. Laois. Removal of roadside hazard (tank)

Before



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Examples - RSI 33138 N80 Co. Laois. Removal of roadside hazard (tank)

After



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Examples - RSI 9206 N77 Provide sufficient public lighting to light roads/paths



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Before





Examples - RSI 9206 N77 Provide sufficient public lighting to light roads/paths



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After





Fencing Retrofit Programme



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Fencing Retrofit

- Process
- Review
- Spreadsheet Development





Fencing Retrofit Programme 🌿

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Fencing Retrofit

- Sites logged on GeoApp in 2018
- Selection of sites
- Design Assessment Report
- TII Approval
- Procurement
- Delivery

Ref:	County:	Route	Location:	Google Streetview Link:	Co-ordinate:
N80LS-FE03	Laois	N80	Corbally, Ballyadams	https://www.google.com/map	5 52.945527, -7.085918
1 of 8. Existing Site	Details	46	2	32	
Existing Fence Type Timber		Timber Po	ost & rail	Existing Section of Fencing Under Consideratio	
Length of Fencing (m):		340		1	
Category: (in accord. with Table 2-1)		2			
Posted Speed Limit:		100km/h			
Hard Shoulder Width (r	n):	1.00			
Set-Back to Fence from	EOB (m):	2.00			
Geometric Features: (e.g. jncs/accesses/HA/VA/ W isibility etc.):3		Single Carriageway with 1m hard shoulder		1.1	112
		Inside of long bend		1	
					XXXX
Other Features/ Existin	g VRS Details (if any):				
Existing Tie-In Details: Upstream:		Hedging	3	7 11	A DAK
	Downstream:	Hedging	,		Gouge
	pownski ddin.	nedging	• (



Fencing Retrofit Programme

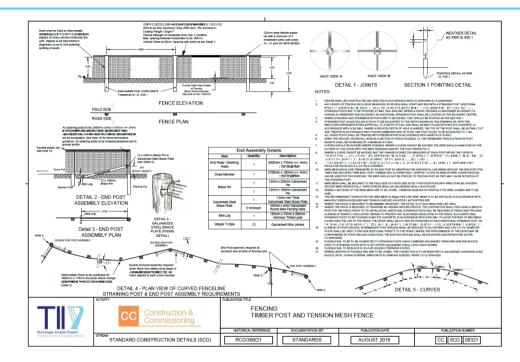
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Fencing Retrofit

Projects Delivered in 2019

- N80 Park Upper, Stradbally
- N80 Corbally, Ballyadams x 2
- N80 Laught or Commons, Mountmellick
- N80 Derrycloney, Mountmellick





Example - RSI 33109 N80 Co. Laois. Unforgiving roadside hazard. Removal of post and fence rail and replaced with a timber post and tension mesh fence in accordance with RCD 300/21.



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Example - RSI 33109 N80 Co. Laois. Unforgiving roadside hazard. Removal of knee high post and fence rail and replaced with a timber post



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Example - RSI 33109 N80 Co. Laois. Unforgiving roadside hazard. Removal of post and fence rail and replaced with a timber post and tension mesh fence in accordance with RCD 300/21.



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Example - RSI 33109 N80 Co. Laois. Unforgiving roadside hazard. Removal of post and fence rail and replaced with a timber post and tension mesh fence in accordance with RCD 300/21.



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END Thank You

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