



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

Managing Surface Dressing

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Wexford County Council



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Tourism and Sport

Surface Dressing Best Practice

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Compiling the Programme

Road Grant

Appendix 3

Grant Allocations

Wexford County Council			
Restoration Improvement	€7,015,000		
Restoration Maintenance	€1,206,500		
Supplementary Restoration Maintenance	€548,500		
Discretionary Grant	€2,573,000		
Drainage Works	€366,500		
Total Allocation	€12,324,000		
2018 Bridge Rehabilitation Works on Regional and Local Roads			
Local Authority	Road Number	Location	LA Allocation
Wexford County Council	L6124-1	Ballybough Bridge, Fairfield	€25,000
Wexford County Council	L5123-1	Corah Bridge, Ferns	€15,000
Wexford County Council	R741	Ballinvalley Bridge, Monamolin	€35,000
Wexford County Council	L50841	Horans Lane Bridge, Pollshone	€17,000
Wexford County Council	L1023	Coolatore, Ferns	€15,000
Wexford County Council	L6157-1	Grange Bridge, Kilann	€40,000
Wexford County Council	L70361-2	Aughermon Bridge, Wellingtonbrige	€35,000
Wexford County Council	L3005-2	Poulsack Bridge, Castlebridge	€25,000
Wexford County Council	L3006-2	Deeps Bridge, Killurin	€50,000
Wexford County Council Total			€257,000

Circular RW1/2018

2018 Regional and Local Road Grant Allocations

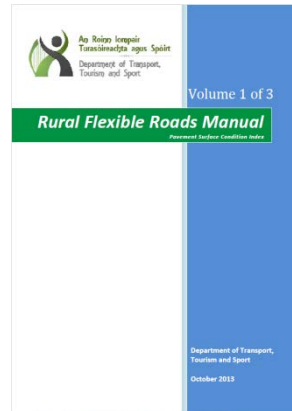
Both the RM and SRM Grants **may only be used for Surface Dressing works**. If sealing works other than surface dressing or surfacing works are required then they should be included under the RI or Discretionary Grant programmes. This means that works such as slurry sealing, clause 942 material, wearing course macadam and HRA which are often used in urban areas may now be only carried out under the RI or Discretionary Grant programmes.

Councils should record both their 2018 RM and SRM works under the Restoration Maintenance programme on **MapRoad PMS** by **28th February 2018**. The protocol set out in section 5 above regarding the submission of the RI programme also applies to the RM programme.

Choosing the Roads

□ Area Engineer

□ PSCI



□ SCRIM

- *All Regional Roads will be surveyed by end of the year*





Table 1: Treatment Measures

Overall Rating	Treatment Measures	Surface Structure
10	Routine Maintenance	Excellent
9		Very Good
8	Resealing & Restoration of Skid Resistance	Fair
7		Good
6	Surface Restoration - Carry out localised repairs and treat with surface treatment or thin overlay.	Fair
5		Fair
4		Poor
3	Structural Overlay - Required to strengthen road. Localised patching and repairs required prior to overlay.	Poor Overall
2		Very Poor Overall
1	Road Reconstruction - Needs full depth reconstruction with extensive base repair.	Failed Overall

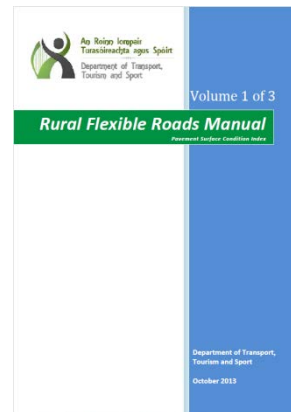


Table 1: The PSCI Rating System

Overall PSCI Rating	Primary Rating Indicators*	Secondary Rating Indicators*
10	No Visible Defects.	Road surface in perfect condition.
9	Minor Surface Defects ¹ . Ravelling or Bleeding $\leq 10\%$.	Road surface in very good condition.
8	Moderate Surface Defects ¹ . Ravelling or Bleeding 10% to 30% .	Little or No Other defects.
7	Extensive Surface Defects ¹ . Ravelling or Bleeding $\geq 30\%$.	Little or No Other defects. Old surface with aged appearance.
6	Moderate Other Pavement Defects ² . Other Cracking $\leq 20\%$. Patching generally in Good condition. Surface Distortion requiring some reduction in speed.	Surface defects ² may be present. No structural distress ³ .
5	Significant Other Pavement Defects ² . Other Cracking $\geq 20\%$. Patching in Fair condition. Surface Distortion requiring reduction in speed.	Surface defects ² may be present. Very localised structural distress ³ ($< 5 \text{ m}^2$ or a few isolated potholes).
4	Structural Distress ³ Present. Rutting, Alligator Cracking or Poor Patching for 5% to 25% . Short lengths of Edge Breakup/Cracking. Frequent Potholes.	Other defects may be present.
3	Significant Areas of Structural Distress ³ . Rutting, Alligator Cracking or Poor Patching for 25% to 50% . Continuous lengths with Edge Breakup/Cracking. More frequent Potholes.	Other defects may be present.
2	Large Areas of Structural Distress ³ . Rutting, Alligator Cracking or Very Poor Patching for $\geq 50\%$. Severe Rutting ($\geq 25 \text{ mm}$). Extensive Very Poor Patching. Many Potholes.	Very difficult to drive on.
1	Extensive Structural Distress ³ . Road Disintegration of surface. Pavement Failure. Many large and deep Potholes. Extensive Failed Patching.	Severe Deterioration. Virtually undrivable.

* Individual pavements will not have all the types of distress listed for any particular rating. They may have only one or two types.

Note 1: Surface Defects = Ravelling or Bleeding.
 Note 2: Other Pavement Defects = Other Cracking (longitudinal, transverse, reflection or alligator), Surface Distortion (shape problems, depressions/wells, churning, bumps, settlement or heave), Good/Fair Patching.
 Note 3: Structural Distress = Load-related defects comprising Rutting, Alligator Cracking, Edge Breakup/Cracking, Poor/Failed Patching, Potholes or Road Disintegration.

MapRoad PMS

- ❑ Once chosen, the works have to be input onto the MapRoad PMS System
- ❑ Works are input via -
 - the Works App on the Android Tablet
 - or
 - directly from the desktop

Works App

The screenshot displays the 'Works App' interface. At the top, there is a navigation bar with several icons (back, forward, search, etc.) and the text 'Works for Wexford CoCo'. To the right of the navigation bar are buttons for '+ ADD NEW WORKS' and 'POSITION'. Below the navigation bar is a list of engineering areas, each with a status icon (a green circle with a white 'P') and a description. The list includes:

- * W All ei All engineering areas
- * Ye Planl Planned
- * W P P EY L1020-4/5 - EY RR
- * La P P EY L2006-2 - EY SD
- Dir P P EY L2009-2 - EY SD
- Wei P P EY L2017/L2018 - EY RR
- Wei P P EY L2036-2 - EY SD
- Esti P P EY L2040-6 - EY RR
- Bas P P EY L2040-6 - EY SD
- Bas P P EY L2040-7 - EY SD
- Des P P EY L2045-1 - EY SD

The right side of the app shows a map of 'Blackwater open farm'. A green line is drawn on the map, and a blue dot is placed on it. The map is overlaid on a light blue background representing water. The Google logo is visible in the bottom left corner of the map area, and the copyright notice '©2018 Google - Map data ©2018 Google' is in the bottom right corner.

MapRoad PMS – Edit Works

The screenshot displays the MapRoad PMS interface. At the top, there is a toolbar with several toolbars: 'Works Tools' (containing 'Works' and 'RPs'), 'Speed Limits', 'Surface Inventory Tools' (containing 'Surface Inventory'), 'Road Schedule' (containing 'Segments'), and 'Footways' (containing 'Footways Hierarchy').

The main window is titled 'Works Job' and has a tabbed interface with the following tabs: 'General', 'Works', 'Planned' (with a green checkmark), 'Funding', 'Completed', 'Files', 'History', and 'Validation' (with a yellow warning icon). The 'Validation' tab is active, showing a table with the following content:

Warning Level	Description
⚠	Local road unit cost too high (> €4.50)

At the bottom of the dialog box, there are five buttons: 'Delete Works' (with a red circle icon), 'Export Works', 'Zoom to Works', 'Update Works', and 'Cancel'.

The background shows a map with a road highlighted in green and yellow, and the label 'BALLYNN' is visible on the right side.

MapRoad PMS – Edit Programme

The screenshot displays the MapRoad PMS interface. At the top, there are several toolbars: 'Standard Tools', 'Works Tools', 'Speed Limits', 'Surface Inventory Tools', and 'Road Schedule'. The main map area shows a road network with a specific road highlighted in yellow. A dialog box titled 'Roads Programme - 2018RM' is open, showing a list of programmes on the left and a validation table on the right. The validation table has a warning icon and a message: 'Local road unit cost too high (> €4.50)'. A large 'Validation' banner with a green checkmark is overlaid on the table. At the bottom of the dialog, the 'Export RP' button is circled in red.

Municipal District Road Programmes List

Name
WX 2018-2019 Multiannual Restoration...
WX 2018 Restoration Improvement Pro...
WX 2018 Restoration Maintenance Pro...
WX2018 Discretionary Grant Programme
WX 2018 Own Resources Programme
WX 2017-2018 Multiannual Restoration...
WX 2017 Restoration Improvement Pro...
WX 2017 Restoration Maintenance Pro...
WX 2017 Discretionary Grant Programme
WX 2017 Own Resources
WX 2016 Severe Weather Works Progra...
WX 2016 Discretionary Grant Programme
WX 2016 Restoration Maintenance (RM...

Page 1 of 1

Roads Programme - 2018RM

General	Other Expenditure	Files	Validation
Name	Warning Level	Description	
Test	Warning	Local road unit cost too high (> €4.50)	

Validation

Delete RP Export RP Zoom to RP Update RP Cancel

Maproad PMS – Submit Programme

The screenshot displays the Maproad PMS software interface. A map of the area around Ballyhigh and Garraun is visible in the background. A blue dialog box titled "LA Roads Programme - WXRM2018" is open, showing the following details:

- Name*:** WX Restoration Maintenance Programme 2018
- Code*:** WXRM2018
- Year*:** 2018
- Funding Category*:** Restoration Maintenance
- Description:** This is the 2018 Restoration Maintenance Programme for all municipal districts in Wexford County Council

Priority	Name	Municipal District	Value	% of Cost	Phase
1	GY R742-22/23	Municipal District of Gorey	46,800 €	100%	Pla
2	GY R725-8/9	Municipal District of Gorey	67,500 €	100%	Pla
3	GY L1000-1/2	Municipal District of Gorey	36,000 €	100%	Pla
4	GY L1011-10	Municipal District of Gorey	38,992 €	100%	Pla
5	GY L1007-5	Municipal District of Gorey	26,884 €	100%	Pla
6	GY L1014-4	Municipal District of Gorey	19,250 €	100%	Pla

Other Expenses: 0 €
Total: 1,713,600 €

DTTAS
Budget: Date retrieved: Refresh
Submitted by: Last submitted:

Buttons: Export RP, Submit (circled in red), Cancel

Map Road PMS - Programme

Restoration Maintenance (RM)

Local Authority: Wexford County
Name: WX 2018 Restoration Maintenance Programme
Description: 2018 Restoration Maintenance Programme
Generated on: 09/05/2018 08:43

TAB 1 - General

Local Authority	Project Number	Municipal District	Engineering Area	Road Class	Road Number	Works Name	Road Name	For Job Type Code	Feeding Grant Category	FMS Job Code	Proposed Surface Type	PSCI Before	IRI Before	Planned Length	Planned Area	Planned Width	Fall	Estimated Project Cost	Estimated Unit Cost	Contract #	% Grant Category	Adjusted Planned Length	Adjusted Planned Area	StartX_b	StartY_b	EndX_b	EndY_b	Notes
WX	1	Municipal District of Goree	Goree Roads Area	R	R-142-22, R-142-23	GY RT42-22/23	RT42	R2	RM	Surface Dressing	6	3.54	2130	19400	4.68	45,000.00	4.50	45,000.00	100.00%		2130	19400	71444	63770	71456	63632	Bullshabb - polimer	
WX	2	Municipal District of Goree	Goree Roads Area	LP	R-125-8, R-125-9	GY RT25-8/9	RT25	R2	RM	Surface Dressing	7	5.5	2300	15900	6.52	61,500.00	4.50	61,500.00	100.00%		2300	15900	70756	66193	70702	66071	Glossanna - polimer	
WX	3	Municipal District of Goree	Goree Roads Area	LP	L-1000-1, L-1000-2	GY L1000-1/2		R2	RM	Surface Dressing	8		1790	9000	5	36,000.00	4.00	36,000.00	100.00%		1790	9000	72387	66671	72327	66577	Killona Lower	
WX	4	Municipal District of Goree	Goree Roads Area	LP	L-1011-0	GY L1011-0		R2	RM	Surface Dressing	8		1612	8985	5.18	38,395.00	4.43	38,395.00	100.00%		1612	8985	71274	66974	71211	66070	Bullshabb Crossh - polimer	
WX	5	Municipal District of Goree	Goree Roads Area	LP	L-1007-5	GY L1007-5		R2	RM	Surface Dressing	8		1430	6721	4.71	26,884.00	4.00	26,884.00	100.00%		1430	6721	71211	66373	71143	66371	Clonera	
WX	6	Municipal District of Goree	Goree Roads Area	LP	L-1014-4	GY L1014-4		R2	RM	Surface Dressing	6		1065	4285	4	12,250.00	4.43	12,250.00	100.00%		1065	4285	70903	65619	70925	65585	Bullshabb polimer	
WX	7	Municipal District of Goree	Goree Roads Area	LP	L-1013-2	GY L1013-2		R2	RM	Surface Dressing	6		1200	372	4.80	4,800.00	4.00	4,800.00	100.00%		1200	372	70952	66056	70955	66488	Bridgeway Link	
WX	8	Municipal District of Goree	Goree Roads Area	LP	L-1026-3	GY L1026-3		R2	RM	Surface Dressing	7		16343	6000	3.67	27,000.00	4.50	27,000.00	100.00%		16343	6000	70614	62543	70302	63751	Ballynahilly to Clonmore - polimer	
WX	9	Municipal District of Goree	Goree Roads Area	LP	L-1015-3	GY L1015-3		R2	RM	Surface Dressing	7		1131	4192	3.6	18,453.00	4.50	18,453.00	100.00%		1131	4192	70205	65920	70165	65174	Askease - polimer	
WX	10	Municipal District of Goree	Goree Roads Area	LP	L-1012-4	GY L1012-4		R2	RM	Surface Dressing	7		1350	5684	4.21	25,578.00	4.50	25,578.00	100.00%		1350	5684	70739	66410	70753	66430	Coolthony - polimer	
WX	11	Municipal District of Goree	Goree Roads Area	LP	L-1013-1	GY L1013-1		R2	RM	Surface Dressing	6		1144	6632	3.84	26,167.00	4.00	26,167.00	100.00%		1144	6632	70868	64372	70850	64820	Water Cross	
WX	12	Municipal District of Goree	Goree Roads Area	LP	L-1015-4	GY L1015-4		R2	RM	Surface Dressing	6		600	2500	3.75	19,000.00	4.00	19,000.00	100.00%		600	2500	70352	65043	70360	64517	Rooney	
WX	13	Municipal District of Goree	Goree Roads Area	LP	L-1012-3	GY L1012-3		R2	RM	Surface Dressing	6		1164	4700	3.44	16,000.00	4.00	16,000.00	100.00%		1164	4700	72223	64461	72271	66448	Clon	
WX	14	Municipal District of Goree	Goree Roads Area	LP	L-1013-1	GY L1013-1		R2	RM	Surface Dressing	6		1000	4442	4.4	17,770.00	4.00	17,770.00	100.00%		1000	4442	71103	67549	71154	63711	Tullinagh to Bannagh	
WX	15	Municipal District of Goree	Goree Roads Area	LP	L-1012-1, L-1012-2	GY L1012-1/2		R2	RM	Surface Dressing	7		2644	8775	3.27	35,300.00	4.00	35,300.00	100.00%		2644	8775	70934	64449	70941	64293	Gloss Vact to Ballyaduff	
WX	16	Municipal District of Goree	Goree Roads Area	LP	L-1012-0	GY L1012-0		R2	RM	Surface Dressing	6		2174	8400	3.82	33,600.00	4.00	33,600.00	100.00%		2174	8400	70470	66324	70487	66243	Diamond Lane	
WX	17	Municipal District of Goree	Goree Roads Area	LP	L-1013-3	GY L1013-3		R2	RM	Surface Dressing	7		1300	1161	3.75	29,500.00	4.00	29,500.00	100.00%		1300	1161	70353	63375	70396	63528	Ballycree to Ballyduff	
WX	18	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1606-1	GY L1606-1		R2	RM	Surface Dressing	7		1500	8550	5.7	34,200.00	4.00	34,200.00	100.00%		1500	8550	70264	64562	70266	64154	Ballynabawn to Ballylion	
WX	19	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1603-3, L-1608-1	GY L1603-3, L1608-1		R2	RM	Surface Dressing	6		1120	3650	5.35	31,000.00	4.00	31,000.00	100.00%		1120	3650	69078	64703	68630	64931	Kilroe to Monaghan	
WX	20	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1603-1	GY L1603-1		R2	RM	Surface Dressing	7		1000	5700	5.7	23,000.00	4.00	23,000.00	100.00%		1000	5700	63468	64623	63426	61526	Tomblick to Castleknock	
WX	21	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1612-2	GY L1612-2		R2	RM	Surface Dressing	6		1250	6100	4.88	24,400.00	4.00	24,400.00	100.00%		1250	6100	69358	64293	69430	64587	Aqueduct to Marley	
WX	22	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1604-7	GY L1604-7		R2	RM	Surface Dressing	6		1000	6200	6.2	24,800.00	4.00	24,800.00	100.00%		1000	6200	70382	63329	70448	63393	Bullman towards Ballycree	
WX	23	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1614-1, L-1614-11	GY L1614-1, L-1614-11		R2	RM	Surface Dressing	7		1420	4125	4.57	18,300.00	4.00	18,300.00	100.00%		1420	4125	68339	64543	68347	64587	R102 to Cooles	
WX	24	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1614-1, L-1614-2	GY L1614-1, L-1614-2		R2	RM	Surface Dressing	7		1000	5235	5.23	23,240.00	4.00	23,240.00	100.00%		1000	5235	64441	63346	64415	63462	Tomblick to Cooles	
WX	25	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1614-1, L-1614-11	GY L1614-1, L-1614-11		R2	RM	Surface Dressing	7		1000	5700	5.7	23,000.00	4.00	23,000.00	100.00%		1000	5700	64442	63363	63426	61526	Tomblick towards Castleknock	
WX	26	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1608-1	GY L1608-1		R2	RM	Surface Dressing	7		1914	5750	5.67	23,000.00	4.00	23,000.00	100.00%		1914	5750	70120	64175	70041	64632	Kilbuck	
WX	27	Municipal District of Enniscorthy	Enniscorthy Roads Area	LP	L-1512-1	GY L1512-1		R2	RM	Surface Dressing	7		1230	1517	5.5	20,100.00	4.00	20,100.00	100.00%		1230	1517	68366	63650	68366	64363	Corck	
WX	28	Municipal District of New Ross	New Ross Roads Area	R	R-1494-1, R-1734-8, R-1734-9	NR RT34-8, RT34-9	RT34	R2	RM	Surface Dressing	4	3.62	2230	1191	5.3	23,200.00	4.50	23,200.00	100.00%		2230	1191	67150	61635	67159	61492	Phillymore to Burketown - polimer	
WX	29	Municipal District of New Ross	New Ross Roads Area	R	R-1734-13, R-1734-14, R-1734-15, R-1734-16	NR RT34-13/16	RT34	R2	RM	Surface Dressing	7	5.06	2320	11249	5.3	17,526.00	4.50	17,526.00	100.00%		2320	11249	67171	60340	67105	60675	Poslar to Vinnigstown - polimer	
WX	30	Municipal District of New Ross	New Ross Roads Area	R	R-1736-0	NR RT36-0	R	R2	RM	Surface Dressing	6	4.66	1530	9564	5.6	39,556.00	4.50	39,556.00	100.00%		1530	9564	69031	63766	69031	63766	Phillymore to Burketown - polimer	
WX	31	Municipal District of New Ross	New Ross Roads Area	R	R-1736-1, R-1736-2, R-1736-3	NR RT36-1/3	R	R2	RM	Surface Dressing	7	5.39	2630	14391	5.71	41,646.00	4.50	41,646.00	100.00%		2630	14391	67338	62370	68163	62191	Tancredia Bridge to Newbawn - polimer	
WX	32	Municipal District of New Ross	New Ross Roads Area	R	R-1735-1, R-1735-16, R-1735-19	NR RT35-1/19	RT35	R2	RM	Surface Dressing	6	3.49	1920	9290	6	59,050.00	4.00	59,050.00	100.00%		1920	9290	68939	62390	68937	62043	Chapel Cross to Ballyaduff - polimer	
WX	33	Municipal District of New Ross	New Ross Roads Area	LP	L-1403-1, L-1403-3, L-1403-4, L-1403-5	NR L403-1/5		R2	RM	Surface Dressing	7		2620	14410	5.5	57,444.00	4.00	57,444.00	100.00%		2620	14410	67476	61970	67487	61702	Phillymore to Goree Hill	
WX	34	Municipal District of New Ross	New Ross Roads Area	LP	L-1893-1, L-1893-2, L-1893-3, L-1893-4	NR L893-1/4		R2	RM	Surface Dressing	7		3210	11655	5.5	70,620.00	4.00	70,620.00	100.00%		3210	11655	67341	61827	67436	61933	Hoggar to Ballylion	
WX	35	Municipal District of New Ross	New Ross Roads Area	LP	L-1800-1, L-1800-2, L-1801-1, L-1801-2	NR L800-1/2, L801-1/2		R2	RM	Surface Dressing	7		2820	12965	4.6	52,960.00	4.00	52,960.00	100.00%		2820	12965	67663	61663	67663	61663	Clonard to Ballylion	
WX	36	Municipal District of New Ross	New Ross Roads Area	LP	L-8012-4, L-8011-1	NR L8011-1/8012-4		R2	RM	Surface Dressing	7		4736	3536	5.57	18,342.00	4.00	18,342.00	100.00%		4736	3536	68281	62444	68347	62414	Podgoss to Medgarrow	
WX	37	Borough District of Wexford	Wexford Roads Area	LP	R-1733-1, R-1733-2, B-1733-5, R-1733-4, R-1733-3	WX RT33-1/5	RT33	R2	RM	Surface Dressing	6	4.41	4300	35000	7.13	157,500.00	4.50	157,500.00	100.00%		4300	35000	70353	63939	70353	63295	Kilmora to Ballycotton - polimer	
WX	38	Borough District of Wexford	Wexford Roads Area	R	R-1736-3, R-1736-4	WX RT36-3/4	RT36	R2	RM	Surface Dressing	7	7.63	1430	1000	7.3	41,250.00	4.50	41,250.00	100.00%		1430	1000	62621	62746	62647	62647	Newtown to Cranford - polimer	
WX	39	Borough District of Wexford	Wexford Roads Area	LP	L-3044-1, L-3042-2	WX L3042-1		R2	RM	Surface Dressing	7		1400	3840	4.4	14,400.00	4.50	14,400.00	100.00%		1400	3840	67620	61763	67624	61943	Rushperry to Piercestown - polimer	
WX	40	Borough District of Wexford	Wexford Roads Area	LP	L-3056-4, L-3056-5	WX L3056-4/5		R2	RM	Surface Dressing	6		1196	1184	4.44	51,164.00	4.50	51,164.00	100.00%		1196	1184	68658	60438	68654	60434	Peah to Crossfarnham - polimer	
WX	41	Borough District of Wexford	Wexford Roads Area	LP	L-1702-2	WX L1702-2		R2	RM	Surface Dressing	6																	

Procurement

Procurement - Binder

- ❑ Multi-Party Framework Agreement for Bitumen Emulsion Supplies & Services 2018-2021.
- ❑ Mini-Competition call-off (*Supply Only* or *Supply and Spray*).
- ❑ Procured through SupplyGov.ie
- ❑ Indicate on the RFT the expected annual tonnage and the delivery locations

Procurement - Binder

Supply of Bitumen Emulsions Framework 2018 - 2021 Mini-Competition Evaluation - Lot 1									
FRAMEWORK SUPPLIERS		Irish Tar & Bitumen Suppliers		Lagan Bitumen Ltd.		Colas Teoranta			
Allocation based on Tenderer Ranking (MEAT) (3 Tenderers)									
Tenderer No. 1		Ranking Gap		Tenderer No. 2		Tenderer No. 3			
Total Over		≤0.5% < No.1		% equal to No.1		% equal to No.1			
		>0.5% & ≤1.0% < No.1		30%		30%			
		100% - (%No.2 + %No.3)		>1.0% & ≤1.5% < No.1		20%		20%	
				>1.5% & ≤2.5% < No.1		10%		10%	
				>2.5% < No.1		0%		0%	
		Supplier		Irish Tar		Lagan		Colas	
		Ranking Gap		0.000%		0.969%		0.293%	
Location 8				€0.00		€0.00		€0.00	
Location 9				€0.00		€0.00		€0.00	
Location 10				€0.00		€0.00		€0.00	
Location 11				€0.00		€0.00		€0.00	
Location 12				€0.00		€0.00		€0.00	

Procurement - Binder

Market Share

Total Overall Cost		€ 1,234,567.89		€ 1,234,567.89		€ 1,234,567.89
Marks Awarded for Price (400 Marks available)		400.000		395.157		398.535
Marks Awarded for Quality (100 Marks available)		100.000		100.000		100.000
Total Mark		500.000		495.157		498.535
Supplier Market Share						
Supplier	Irish Tar		Lagan		Colas	
Ranking Gap	0.000%		0.969%		0.293%	
Market Share	35.00%		30.00%		35.00%	

Procurement - Chippings

□ Through SupplyGov.ie

The screenshot displays the SupplyGov.ie public procurement portal. The page title is "Request for Tender: WX1800044T (Under Consideration)". The user is logged in as Noel O'driscoll, Wexford County Council (BuyerID: 232). The page includes a navigation menu with links for Home, Quotations/Tenders, Suppliers, Buyers, and Reports. The main content area is divided into several sections: Summary, Documents, Additional Charges, and Line Items.

Summary

Description:	14mm chippings	Items:	2	Expected Delivery Date:	04/04/2018
Date Created:	28/03/2018	Suppliers:	28	Delivery Location:	Machinery Yard, Old Dublin Road, Enniscorthy, Wexford
Date Published:	28/03/2018				
Closing Date:	03/04/2018 - 12:00				
Buyer Contact:	Mary Carton mary.carton@wexfordcoco.ie 053 9232312				

Documents

- pro.forma.14mm.chippings(1).docx (21.03 KB)

Additional Charges

- Delivery band 0-10Km
- Delivery band 11-20Km
- Delivery band 21-30Km
- Delivery band 31-50Km
- Delivery band 51-70Km
- Delivery band 71-100Km
- Per 10km > 100Km

Line Items

Code	Product/Service	Unit	Quantity
	Road Making Materials (Supply Only) for Local Authorities > Surface Dressing Chips > 10/14mm Chippings Wexford County Council 14mm chippings	tonne	2000

Notes: These chippings will be independently tested by Wexford County Council.

Procurement - Chippings

- ❑ Include Specification requirements with the tender – PSV; AAV; LA Coefficient; Dust Content
- ❑ Request the following test results from the tenderer: PSV (three separate tests, each from a different lab); AAV; LA Coefficient; Flakiness Index; Particle Size Distribution

Procurement - Chippings

Mini-competition for Supply of Chippings

Municipal Districts of Enniscorthy, New Ross, Gorey Borough District of Wexford

Wexford County Council is issuing this mini-competition to you on the basis that you have been pre-qualified and accepted onto the framework for the Supply of Chippings. Qualification under the framework was based upon your acceptance of the specific terms and conditions set out in that tender in the Instructions To Tenderers (ITT) document. To avoid any ambiguity, those conditions apply to this mini-competition and are available to download from www.LAQuotes.ie

Self declaration applied to a number of legal requirements e.g. Pension and Sickness schemes, safety requirements, etc. You may be required to provide proof of compliance or evidence of same. Failure to produce proof of same may result in your exclusion from the mini-competition.

Scope of Works

This mini-competition relates to the supply of xxx tonnes of xxx chippings.

Please note the following:

- The chippings shall comply with the various requirements specified in the IAT Guidelines for Surface Dressing (Third Edition), particularly in relation to Grading and Flakiness Index.
- The Dust content of the chippings shall not be greater than 0.5%.
- The Polished Stone Value of the chipping shall be 57 or greater.
- The Los Angeles Coefficient Value of the chipping shall have a maximum value of 25.
- The Aggregate Abrasion Value of the chipping shall have a maximum value of 10.
- You are required to attach the following recent (not more than 6 months old) test results when submitting your tender: PSV (three separate individual tests, each undertaken by a different laboratory), LA Coefficient Value, AAV, Flakiness Index and Particle Size Distribution.
- Samples must be tested in accordance with IS EN 1097-6 for compliance with the specified PSV and AAV properties. The aggregate will be deemed to comply if the mean of the two most recent results from consecutive "suite of tests", relating to the material to be supplied, is greater than or equal to the specified PSV and less than the specified AAV. A "suite of tests" shall comprise three separate individual PSV tests, where each must be undertaken by a different laboratory and any result more than 5 units above or below the median value of the three tests must be discarded and an additional test undertaken. This process must be repeated, if necessary, until three results within 5 units of the median value of those results are obtained.

- Tests must have been carried out in the previous six months by a laboratory accredited by INAB or equivalent for these tests. Alternatively the laboratory must be accredited in a Member State of the European Economic Area, or a State which is party to a relevant agreement with the European Union, in accordance with the relevant parts of EN45000 series of standards for the tests carried out.
- The attention of Tenderers is drawn to the obligations arising under the European Union (Construction Products) Regulations 2013 (S.I. 225 of 2013). Successful tenderers will be duly bound to meet these obligations, as required.
- Wexford County Council will be monitoring the quality control record for the materials being supplied under this mini-tender and the results will be used in assessing the award of works under future mini-tenders.
- You are requested to supply a) Price per tonne ex pit and b) the Total Price per tonne delivered within the specified distances from source of supply to a fixed point/site. It should be explicitly stated which source the offered price relates to.
- Where the contract awarded requires supply and delivery by the quarry of materials to a Council site, all delivery trucks used must be compliant with National legislation in respect of tax and insurance and CRW. In a circumstance where trucks being used by a quarry to supply materials to a Council site are found to be in breach of this requirement, the supplying quarry may be excluded from supplying further materials under this mini-tender.
- Upon request a driver on site must be able to produce Safe Pass card.
- It is a condition of the mini-competition that work can only be allocated to contractors/suppliers where all relevant supporting documentation has been submitted.

When Wexford County Council, at its discretion, decides to award a contract for the Supply of Chippings pursuant to this mini-competition, it will apply the award criteria below in order to determine the most economically advantageous tender.

Firstly, tenders will be assessed to see if they meet the pass/fail criteria below. Any tenderer that fails to meet the pass/fail criteria below will be excluded from further consideration.

Procurement - Chippings

□ Calculating Quantity Needed (IAT Guidelines)

APPENDIX H

CONVERSION CHARTS

CHIPPING COVERAGE **	
Chipping Size	Square Metres / Tonne
14/20 (20 mm)	48 to 65
10/14 (14 mm)	57 to 77
6/10 (10 mm)	80 to 110
2/6 (6 mm)	113 to 156

**An additional 10% should be allowed for wastage and overlaps.

Chippings - Storage



Plant

Binder Distributor Calibration



- Tray Test
- Volume Test
 - *Start of season*
 - *Mid Season*
 - *Change to Polymer*



Binder Distributor Calibration



Plant

- ❑ Gritters and Rollers should be serviced in January.
- ❑ Trucks should be serviced at the manufacturers' scheduled intervals.

Road Preparation

Road Preparation



Patching



Drainage



Hedgecutting

Verge Edging



Ironwork

Make sure it's completed in a timely manner !

Surface Pre-treatment:
Water jetting; Grit blasting

Design

Design

IAT Surface Dressing Guidelines 3rd Edition Revised



Design

TII

DN-PAV-03074

HD300

ALD Method



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications



Design of Bituminous Mixtures, Surface Treatments, and Miscellaneous Products and Processes

DN-PAV-03074
June 2017



Standards

Design – <https://web.tii.ie/adt>.

The screenshot displays the Analytical Design Tool (ADT) web application. The browser address bar shows the URL <https://web.tii.ie/adt/#/pavement>. The page title is "Analytical Design Tool".

Navigation: A "Log Off" button is visible in the top left navigation area.

Projects and Schemes: This section contains two dropdown menus for selecting "Projects" and "Schemes". Below each dropdown are "Add New" and "Delete" buttons. At the bottom of this section are "Save Scheme Details" and "Cancel" buttons.

Validation: A section labeled "Validation" is located below the Projects and Schemes section.

Scheme Panels: This section displays a list of panels for configuration:

- Main Details
- 1. Type of Surface Dressing and Chipping Size
- 2. Traffic Volume
- 3. Basic Rate of Spread of Binder
- 4. Site Specific Adjustments to the Total Basic Binder
- 5. Basic Rate of Spread of Emulsion
- 6. Site Specific Adjustments to the Binder Application Rate of 1st Layer
- 7. Final Application Rates for 1st Layer
- 8. Final Application Rates for 2nd Layer
- Surface Dressing Report

Navigation buttons "Prev" and "Next" are located below the list, and a "Calculate" button is positioned at the bottom of the Scheme Panels section.

On-Site Tests

Cone Test (Swirl Jets)

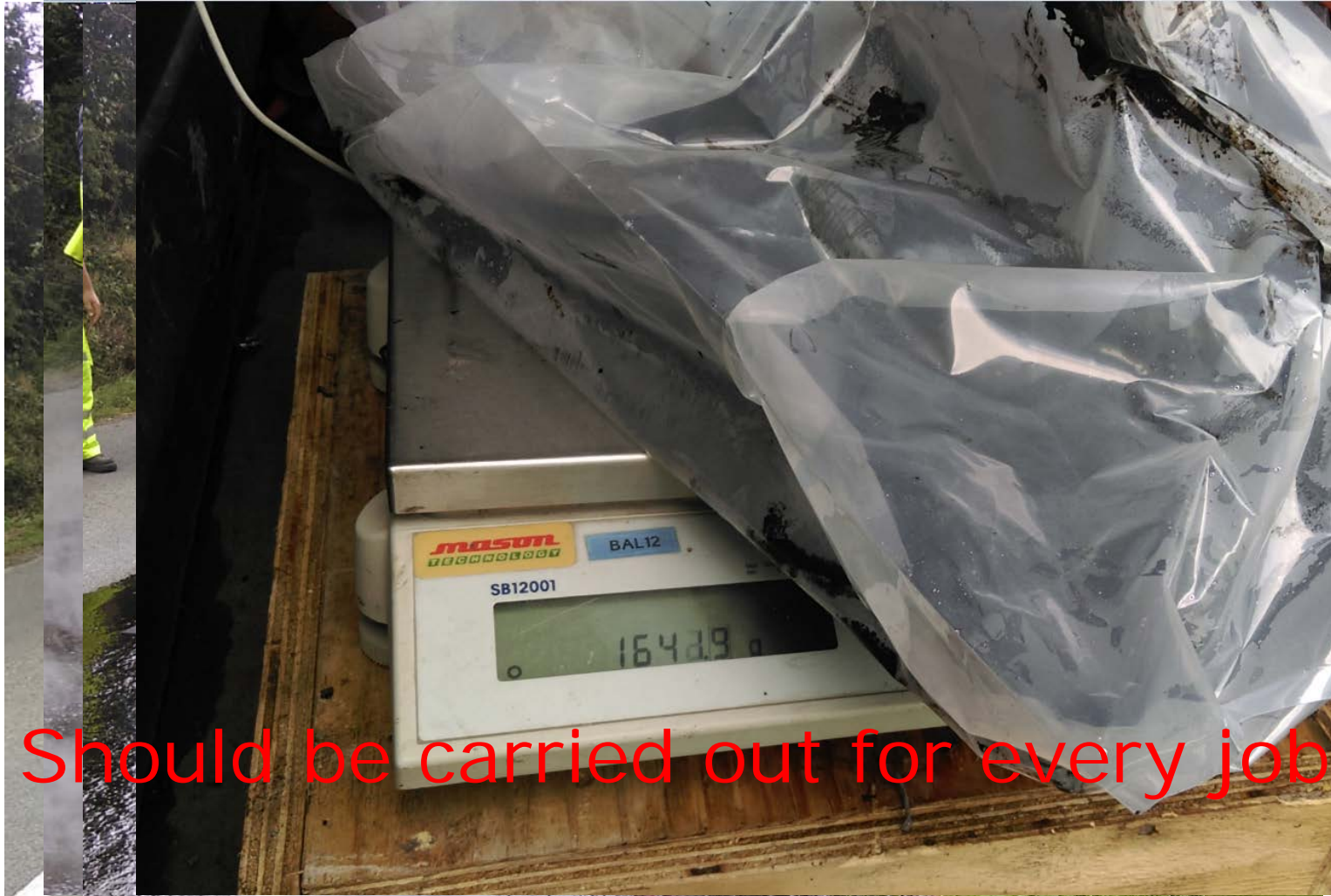


Should be carried out every day!

Dribble Test (Slot Jets)



Carpet Tile Test



Should be carried out for every job!

Rate of Spread Box



Should be carried out for every job!

Records

Records

IAT Surface Dressing Guidelines 3rd Edition Revised


Record Sheet

IAT SURFACE DRESSING RECORD SHEET - CONSTRUCTION														
ROAD NO	<input type="text"/>	LOCATION <input type="text"/>												
DATE OF CONSTRUCTION	<input type="text"/>	TIME START <input type="text"/> TIME FINISH <input type="text"/>												
WEATHER:	SUNNY <input type="checkbox"/> CLOUDY <input type="checkbox"/> SHOWERS <input type="checkbox"/> DRIZZLE <input type="checkbox"/>	AIR TEMP <input type="text"/> °C HUMIDITY <input type="text"/> %												
ROAD CONDITION:	DRY <input type="checkbox"/> DAMP <input type="checkbox"/>	ROAD TEMP: <input type="text"/> °C												
CHIPPINGS:	SUPPLIER <input type="text"/> QUARRY <input type="text"/> CO. CO. DEPOT <input type="text"/>													
	SIZE: <input type="text"/> PSV <input type="text"/> AAV <input type="text"/> LA <input type="text"/>													
	CONDITION: DRY <input type="checkbox"/> DAMP <input type="checkbox"/>	SAMPLE REF. NO: <input type="text"/>												
RATE OF SPREAD OF CHIPPINGS:	Pre-treatment LAYER	<table border="1"><thead><tr><th>TONNAGE</th><th>AREA</th><th>AVG. RATE OF SPREAD</th></tr></thead><tbody><tr><td><input type="text"/> t</td><td><input type="text"/> m²</td><td><input type="text"/> kg/m²</td></tr><tr><td><input type="text"/> t</td><td><input type="text"/> m²</td><td><input type="text"/> kg/m²</td></tr><tr><td><input type="text"/> t</td><td><input type="text"/> m²</td><td><input type="text"/> kg/m²</td></tr></tbody></table>	TONNAGE	AREA	AVG. RATE OF SPREAD	<input type="text"/> t	<input type="text"/> m ²	<input type="text"/> kg/m ²	<input type="text"/> t	<input type="text"/> m ²	<input type="text"/> kg/m ²	<input type="text"/> t	<input type="text"/> m ²	<input type="text"/> kg/m ²
	TONNAGE	AREA	AVG. RATE OF SPREAD											
	<input type="text"/> t	<input type="text"/> m ²	<input type="text"/> kg/m ²											
	<input type="text"/> t	<input type="text"/> m ²	<input type="text"/> kg/m ²											
<input type="text"/> t	<input type="text"/> m ²	<input type="text"/> kg/m ²												
1st LAYER	<input type="text"/> t	<input type="text"/> m ²	<input type="text"/> kg/m ²											
2nd LAYER	<input type="text"/> t	<input type="text"/> m ²	<input type="text"/> kg/m ²											
SPOT CHECK (BOX) RESULTS (l/m ²) <input type="text"/>														
BINDER:	SUPPLIER <input type="text"/> TYPE OF BINDER <input type="text"/>	SAMPLE REF. NO. <input type="text"/>												
RATE OF SPREAD OF BINDER:	Pre-treatment LAYER	<table border="1"><thead><tr><th>QTY. USED</th><th>AREA</th><th>AVG. R.O.S.</th></tr></thead><tbody><tr><td><input type="text"/> litres</td><td><input type="text"/> m²</td><td><input type="text"/> l/m²</td></tr><tr><td><input type="text"/> litres</td><td><input type="text"/> m²</td><td><input type="text"/> l/m²</td></tr><tr><td><input type="text"/> litres</td><td><input type="text"/> m²</td><td><input type="text"/> l/m²</td></tr></tbody></table>	QTY. USED	AREA	AVG. R.O.S.	<input type="text"/> litres	<input type="text"/> m ²	<input type="text"/> l/m ²	<input type="text"/> litres	<input type="text"/> m ²	<input type="text"/> l/m ²	<input type="text"/> litres	<input type="text"/> m ²	<input type="text"/> l/m ²
	QTY. USED	AREA	AVG. R.O.S.											
	<input type="text"/> litres	<input type="text"/> m ²	<input type="text"/> l/m ²											
	<input type="text"/> litres	<input type="text"/> m ²	<input type="text"/> l/m ²											
<input type="text"/> litres	<input type="text"/> m ²	<input type="text"/> l/m ²												
1st LAYER	<input type="text"/> litres	<input type="text"/> m ²	<input type="text"/> l/m ²											
2nd LAYER	<input type="text"/> litres	<input type="text"/> m ²	<input type="text"/> l/m ²											
SPOT CHECK (CARPET TILE) RESULTS (l/m ²) <input type="text"/>														
PLANT:	SPRAYER REG. NO. <input type="text"/> SPRAYER TYPE <input type="text"/>	CONE TEST: YES <input type="checkbox"/> NO <input type="checkbox"/>												
	SPRAYBAR HEIGHT <input type="text"/> mm	PRESSURE <input type="text"/> bar/PSI TEMP. <input type="text"/> °C												
	GRITTER TYPE: TAILGATE <input type="checkbox"/> SELF PROPELLED <input type="checkbox"/> EXPANDING <input type="checkbox"/>													
	ROLLER: PNEUMATIC <input type="checkbox"/> STEEL (VIB.) <input type="checkbox"/> STEEL (STATIC) <input type="checkbox"/> OTHER <input type="text"/>	(specify)												
	SWEEPER: SUCTION <input type="checkbox"/> BRUSH <input type="checkbox"/>	BEFORE YES <input type="checkbox"/> NO <input type="checkbox"/>												
	AFTER YES <input type="checkbox"/> NO <input type="checkbox"/>	HOW SOON <input type="text"/> hrs												
	TRAFFIC CONTROL: SPEED CONTROL VEHICLE <input type="checkbox"/>	STOP/GO <input type="checkbox"/> TRAFFIC LIGHTS <input type="checkbox"/>												
SIGNAGE: SPECIFY SIGNAGE USED, DURING AND AFTER SURFACE DRESSING (ATTACH SKETCH)														
	HOW LONG SIGNS LEFT IN PLACE AFTER SURFACE DRESSING <input type="text"/>	PHOTO REF. <input type="text"/>												
AFTERCARE: WEATHER AFTER SURFACE DRESSING <input type="text"/>														
	OVERNIGHT TEMP <input type="text"/> °C	SPEED LIMIT ENFORCEMENT <input type="text"/> km/h												
	TRAFFIC CONTROL FOLLOWING SURFACE DRESSING: YES <input type="checkbox"/> NO <input type="checkbox"/>	HOW LONG <input type="text"/> hrs												
INSPECTIONS														
	<table border="1"><thead><tr><th>DATE</th><th>TEXTURE</th><th>COMMENTS</th></tr></thead><tbody><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></tbody></table>	DATE	TEXTURE	COMMENTS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
DATE	TEXTURE	COMMENTS												
<input type="text"/>	<input type="text"/>	<input type="text"/>												
<input type="text"/>	<input type="text"/>	<input type="text"/>												
<input type="text"/>	<input type="text"/>	<input type="text"/>												
SIGNED	<input type="text"/>	TITLE <input type="text"/> DATE <input type="text"/>												

Records

IAT Surface Dressing Guidelines 3rd Edition Revised

Digital Record Sheet


SURFACE DRESSING RECORD SHEET

CONSTRUCTION RECORD

Road Number Location
 Date of Construction Time Start Time Stop
 WEATHER: Sunny Cloudy Showers Drizzle
 Air Temp [Celsius] Humidity [%]

ROAD CONDITION: Dry Damp Road Temp [Celsius]

CHIPPINGS: Supplier Quarry Co. Co. Dept
 Size PSV DAY LA
 CONDITION: Dry Damp Sample Ref

RATE OF SPREAD OF CHIPPINGS:	TONNAGE [t]	AREA [m ²]	AVG. RATE OF SPREAD [kg/m ²]	Spd Check [Pos] Results [t/m ²]
Pre-layers	1	1	1.00	
1 st Layer	1	1	1.00	
2 nd Layer	1	1	1.00	

DIBBER: Supplier Type of Binder Premium Polymer Sample Ref

RATE OF SPREAD OF DIBBER:	QUANTITY USED	AREA [m ²]	AVG. RATE OF SPREAD [t/m ²]	Spd Check [Correct] Results [t/m ²]
Pre-layers	1	1	1.00	
1 st Layer	1	1	1.00	
2 nd Layer	1	1	1.00	

PLANT: Sprayer Req. No. Sprayer Type Case Tool Yes No
 Spray Bar Height [mm] Nozzle [bar/PSI] Temperature [Cels]
 GRITTER TYPE: Tailgate 18° Propelled Expanding
 ROLLER TYPE: Pneumatic Steel [in] Steel [in] Other
 SWEEPER TYPE: Suction Brush BEFORE: Yes No
 AFTER: Yes No How Soon [hrs]
 TRAFFIC CONTROL: Speed Control Vehicle Stop/Go Traffic Lights

SIGNS SPECIFY SIGNAGE USED, DURING AND AFTER SURFACE DRESSING (ATTACH SECTORS)
 on Left in Place After Surface Dressing Photo Ref:

AFTERCARE After Surface Dressing
 Overnight Temp [cels] Speed Limit Enforcement [hrs]
 Traffic Control Following Surface Dressing: Yes No How Long [hrs]

SPECIFICATIONS

Date	Texture	Control

SIGNED TITLE DATE

Records - Construction



SURFACE DRESSING RECORD SHEET

CONSTRUCTION RECORD

Road Number	<input type="text" value="L1004-1"/>	Location	<input type="text" value="Inch to Coolgreany"/>				
Date of Construction	<input type="text" value="03/05/2018"/>	Time Start	<input type="text" value="09:08"/>	Time Start	<input type="text" value="15:24"/>		
WEATHER: (yes or no)	Sunny <input type="checkbox"/>	Cloudy	<input checked="" type="checkbox" value="v"/>	Showers	<input type="checkbox"/>	Drizzle	<input type="checkbox"/>
		Air Temp (Celsius)	<input type="text" value="15.00"/>	Humidity (%)	<input type="text"/>		

ROAD CONDITION:	Dry <input checked="" type="checkbox" value="v"/>	Damp	<input type="checkbox"/>	Road Temp (Celsius)	<input type="text"/>
-----------------	---	------	--------------------------	---------------------	----------------------

CHIPPINGS:	Supplier	<input type="text" value="Roadstone"/>	Quarry	<input type="text" value="Allen"/>	Co. Co. Depot	<input type="text" value="Gorey hill"/>		
	Size	<input type="text" value="6/10 mm"/>	PSV	<input type="text" value="57"/>	AAV	<input type="text" value="3.5"/>	LA	<input type="text" value="13"/>

CONDITION:	Dry	<input type="checkbox"/>	Damp	<input checked="" type="checkbox" value="v"/>	Sample Ref	<input type="text"/>
------------	-----	--------------------------	------	---	------------	----------------------

Records - Construction

RATE OF SPREAD OF CHIPPINGS:

	TONNAGE (t)	AREA (m ²)	AVG. RATE OF SPREAD (kg/m ²)	Spot Check (Box) Results (l/m ²)
Pre-treatment Layer	0	1	0.00	
1 st Layer	178	11668	15.26	9
2 nd Layer	0	1	0.00	

BINDER:

Supplier

Irish Tar

Type of Binder

Cationic 70

Sample Ref

RATE OF SPREAD OF BINDER:

	QUANTITY USED	AREA (m ²)	AVG. RATE OF SPREAD (l/m ²)	Spot Check (Carpet Tile) Results (l/m ²)
Pre-treatment Layer	0	1	0.00	
1 st Layer	21920	11668	1.88	2
2 nd Layer	0	1	0.00	

Records - Construction

PLANT:	Sprayer Reg. No.	<input type="text" value="705"/>	Sprayer Type	<input type="text" value="Swirl Jet"/>	Cone Test	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
	Spray Bar Height (mm)	<input type="text" value="450.00"/>	Pressure (bar/PSI)	<input type="text" value="1.1 bar"/>	Temperature (Cels)	<input type="text" value="82.00"/>			
GRITTER TYPE:	Tailgate	<input type="text" value="No"/>	Self Propelled	<input type="text" value="Yes"/>	Expanding	<input type="text" value="Yes"/>			
ROLLER TYPE:	Pneumatic	<input checked="" type="checkbox"/>	Steel (vib)	<input type="checkbox"/>	Steel (static)	<input type="checkbox"/>			
					Other	<input type="text"/>			
SWEEPER TYPE:	Suction	<input type="checkbox"/>	Brush	<input checked="" type="checkbox"/>	BEFORE:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
					AFTER:	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
								How Soon (hrs)	<input type="text" value="48.00"/>
TRAFFIC CONTROL:			Speed Control Vehicle	<input checked="" type="checkbox"/>	Stop/Go	<input checked="" type="checkbox"/>	Traffic Lights	<input type="text"/>	

Records - Construction

SIGNAGE:		SPECIFY SIGNAGE USED, DURING AND AFTER SURFACE DRESSING (ATTACH SKETCH)	
How Long Signs Left in Place After Surface Dressing	<input type="text" value="14 days"/>	Photo Ref:	<input type="text"/>
AFTERCARE:	Weather After Surface Dressing <input type="text" value="Damp conditions on day after dressing"/>		
Overnight Temp (cels)	<input type="text"/>	Speed Limit Enforcement (km/h)	<input type="text" value="35 (Advisory)"/>
Traffic Control Following Surface Dressing	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	How Long (hrs) <input type="text" value="2.00"/>
INSPECTIONS			
Date	Texture	Comment	
SIGNED	<input type="text" value="Noel O'Driscoll"/>	TITLE	<input type="text" value="Senior Engineer"/>
		DATE	<input type="text" value="May 9 2018"/>

Records - Cost

The "Tom O'Donnell" Sheet

SURFACE DRESSING REPORT									
SECTION 1 - Preparation									
DAY: Prep			Code: 216550			Date: 01/04/2017			
LOCATION: <i>Edgemoor</i>			Road No.: 1-1055-10			Category: Surface Dressing			
					Start	Ending	Working		
					Finish				
Design Bitumen Rate of Spread (l/m ²)									
Design Chipping Rate of Spread (kg/m ²)									
MATERIALS									
Bitumen Type	<i>Cationic P22</i>		Chippings	Source	<i>Supplier</i>		<i>Cases</i>		
Source	<i>Mixed source</i>		Type	<i>6/10mm</i>		<i>6/10 High PSV</i>		<i>2/6mm Grit</i>	
Quantity (litres)	1,300		Quantity (tonnes)	8.00		8.00		1 25.00	
Rate	10.58		Rate	126.50		1 26.50		1 25.00	
Total	1154.00		Total	10.00		1212.00		10.00	
HIRED PLANT					COUNCIL PLANT				
Machine	Hours	Rate	Total	Machine	Hours	Rate	Total		
JCB		120.30		Lorry 100		164.40	164.40		
Tractor and Break		140.86		Lorry 101		164.40	164.40		
Suction Sweeper		148.40		Lorry 102		164.40	164.40		
Hedgecutter	4	138.59	1154.36	Lorry 103		164.40	164.40		
small roller per sealer		1180.00		Lorry 104		164.40	164.40		
Roadmarking	Item			Lorry 105		164.40	164.40		
				Lorry 112		164.40	164.40		
				Lorry 113		164.40	164.40		
				Sprayer 705		1133.65	1133.65		
				Sprayer 706		1133.65	1133.65		
				Phoenix Gritter		192.75	192.75		
				Rubber Roller		165.00	165.00		
				Area Patcher	8	158.30	1471.20		
Total Hired Plant			1154.36	Total Council Plant			1471.20		
LABOUR									
Name	Grade	Rate	Normal	T x 1.5 (hours)	T x 2 (hours)				Total
<i>GO</i>	G.S.S.	121.38							10.00
<i>Foreman</i>	Foreman	115.62	12						1187.42
<i>Foreman</i>	Foreman	115.62							10.00
<i>Pickup Driver</i>	Pickup Driver	115.23	12						1183.45
<i>Pickup Driver</i>	Pickup Driver	115.23	12						1183.45
<i>Pickup Driver</i>	Pickup Driver	115.23							10.00
<i>GO</i>	GO	114.56							10.00
<i>GO</i>	GO	114.56							10.00
<i>GO</i>	GO	114.56							10.00
						PRSI / Holiday	30.75%		1170.45
						Other allowance	0.00%		10.00
						Total Labour Cost			1724.77
SECTION 2 - SUMMARY									
Remarks:								Bitumen	1154.00
								2/6mm Grit	10.00
								Chippings	1212.00
								Hired Plant	1154.36
								Co. Co. Plant	1471.20
								Labour	1724.77
								Daily Total	12,316.33
Summary Sheet Prep Day 1 Day 2 Day 3									

Records - Cost

SECTION A - SURFACE DRESSING							
DAY: 1				Code: 216630		Date: 07/07/2017	
LOCATION: Ballyedmond				Road No.: L1023-10		Category: Surface Dressing	
				Easting		Northing	
Length (metres)		Average Width (metres)		Area (sq.m)		Start	
1200		6.00		7200		Finish	
Design Bitumen Rate of Spread (l/m ²)				2.4.			
Design Chipping Rate of Spread (kg/m ²)				13.5 and 6.4			
MATERIALS							
Bitumen Type		Premium Polymer		Chippings		Source	
Source		Lagan				Morrisseys	
Quantity (litres)		16,095				Caseys	
Rate		€0.71				Caseys	
Total		€11,346.98				Caseys	
				Source		Morrisseys	
				Type		6/10mm	
				Quantity (tonnes)		6/10 High PSV	
				Rate		€ 25.80	
				Total		€ 26.30	
						€2,430.00	
						€0.00	
						€973.10	
HIRED PLANT				COUNCIL PLANT			
Machine	Hours	Rate	Total	Machine	Hours	Rate	Total
JCB	5	€22.15	€110.75	Lorry 100	5	€64.40	€322.00
Tractor and Brush	5	€38.50	€192.50	Lorry 101	5	€64.40	€322.00
Suction Sweeper	4	€45.40	€181.60	Lorry 102	5	€64.40	€322.00
Hedgecutter		€38.59		Lorry 103	5	€64.40	€322.00
				Lorry 104	5	€64.40	€322.00
Roadmarking	Item			Lorry 105	5	€64.40	€322.00
				Lorry 112		€64.40	
				Lorry 113		€64.40	
				Sprayer 705	5	€133.65	€668.25
				Sprayer 706	5	€133.65	€668.25
				Phoenix Gritter x 2	10	€92.75	€927.50
				P.T.R.	5	€65.00	€325.00
				Salt Grittter		€58.90	
				P.T.R.	5	€65.00	€325.00
Total Hired Plant			€484.85	Total Council Plant			€4,846.00

Records - Cost

LABOUR							
Name	Grade	Rate	Normal	T x 1.5 (hours worked)	T x 2 (hours worked)		Total
<i>GSS</i>	G.S.S. x 2	€21.38	10		1	=	€256.52
<i>Foreman</i>	Foreman	€15.62	5		5	=	€234.27
<i>Foreman</i>	Foreman	€15.62	5		0.5	=	€93.71
<i>Pickup Driver</i>	Pickup Driver	€15.29	5		0.5	=	€91.73
<i>Pickup Driver</i>	Pickup Driver	€15.29	5		0.5	=	€91.73
<i>Pickup Driver</i>	Pickup Driver	€15.29	5		0.5	=	€91.73
<i>GO</i>	GO	€14.56	5		0.5	=	€87.37
<i>GO</i>	GO	€14.56	5		0.5	=	€87.37
<i>GO</i>	GO	€14.56				=	€0.00
					PRSI/ Holidays	@30.75%	€318.08
					Other allowances	0.00%	€0.00
					Total Labour Cost		€1,352.50
Actual Bitumen Rate of Spread				2.24	l/m ²		
Actual Chipping Rate of Spread				12.50	kg/m ²		
SECTION B - SUMMARY							
Remarks:							
					<i>Bitumen</i>		€11,346.98
					<i>2/6mm Grit</i>		€973.10
					<i>Chippings</i>		€2,430.00
					<i>Hired Plant</i>		€484.85
					<i>Co. Co. Plant</i>		€4,846.00
					<i>Labour</i>		€1,352.50
					Daily Total		€21,433.42

Records - Cost

Surface Dressing Report Summary Sheet							
Details		Prep	Day 1	Day 2	Day 3	TOTAL	
Data	Location	Ballyedmond	Ballyedmond	Ballyedmond	Ballyedmond		
	Road No.	L-1023-10	L1023-10	L1023-10	L1023-10		
	Code	216330	216630	216630	216630		
Road	Length		1200.00	0.00	0.00	1200.00	
	Width		6.00	0.00	0.00		
	Area		7200.00	0.00	0.00	7200.00	
Preparation							
Cost	Bitumen	€754.00					
	2/6mm Grit	€0.00					
	Chippings	€212.00					
	Hired Plant	€154.36					
	Council Plant						
	Labour	€724.77					
Surface Dressing							
Cost	Bitumen		€11,346.98	€0.00	€0.00	€11,346.98	52.94%
	2/6mm Grit		€973.10	€0.00	€0.00	€973.10	4.54%
	Chippings		€2,430.00	€0.00	€0.00	€2,430.00	11.34%
	Hired Plant		€484.85	€0.00	€0.00	€484.85	2.26%
	Council Plant		€4,846.00	€0.00	€0.00	€4,846.00	22.61%
	Labour		€1,352.50	€0.00	€0.00	€1,352.50	6.31%
TOTAL	€	€1,845.13	€21,433.42	€0.00	€0.00	€21,433.42	
RATE	€/m ²	-	€2.98			€2.98	
					TOTAL	€23,278.55	
					RATE	€3.23	€/m ²

Closing Out

MapRoad PMS – Close Out

The screenshot displays the MapRoad PMS mobile application interface. At the top, an orange header bar contains navigation icons on the left, the text "Works for Wexford CoCo.", and buttons for "ADD NEW WORKS" and "POSITION" on the right. The main area is split into a left sidebar and a right map view. The sidebar lists various work items, with a "Completed" section highlighted. The map view shows a road network with a red line indicating a work area and a green line indicating a completed area.

Works for Wexford CoCo.

Completed

- NR R/31-9 - NR RR
Structural Overlay
- NR R733-25 - NR SD
Resealing
- NR R734-21/22 - NR SD
Resealing
- NR R735-11/12 - NR SD
Resealing
- NR R735-13/14 - NR SD
Resealing
- Test - n/a
Resealing
- WX L3001-1 - WX RR
Structural Overlay
- WX L3006-1 - WX SD
Resealing
- WX L3027-1 - WX SD
Resealing
- WX L3041-9 - WX RR
Resealing

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MapRoad PMS – Close Out

The screenshot shows the 'Works Job' dialog box in the MapRoad PMS software. The 'Validation' tab is selected, indicated by a red circle. The dialog displays the following information:

Before

- Estimated Cost: € 9,000
- System Generated Cost: € 6,423.73
- Calculated Unit Cost: 5.6

After

- Actual Cost: € 6,500
- Unit Cost: € 4.05
- FMS Code: [Empty]

Add Funding Category

Funding Category	Value	%	Roads Programme	Remove
Restoration Maintenance	6,500 €	100%	WX 2018 Restoration Mainten...	[Remove]

The '100%' completion percentage in the funding table is circled in red.

At the bottom of the dialog, the 'Update Works' button is visible. Below the dialog, the 'Export RP' button is circled in red.

Maproad PMS – Close Out

The screenshot shows the 'LA Roads Programme - WXRM2017' window in the Maproad PMS software. The window has several tabs: 'General', 'Other Expenditure', 'Files', 'Submission History', and 'Validation'. The 'General' tab is active, showing the following details:

- Name*: WX Restoration Maintenance Programme 2017
- Code*: WXRM2017
- Year*: 2017
- Funding Category*: Restoration Maintenance
- Description: This is the 2017 Restoration Maintenance Programme for all municipal districts in Wexford County Council

Below the details is a table with the following columns: Priority, Name, Municipal District, Value, % of Cost, Phase, and a scrollable list of years (18, 18, 18, 18, 18, 17, 17, 17, 16, 19 of 19).

Priority	Name	Municipal District	Value	% of Cost	Phase
1	EY L2043-1	Municipal District of Ennisco...	14,324 €	50%	Complete
2	EY L6024-1	Municipal District of Ennisco...	18,112 €	100%	Complete
3	EY L2047-1	Municipal District of Ennisco...	23,600 €	100%	Complete
4	EY L2009-2	Municipal District of Ennisco...	36,800 €	100%	Complete
5	EY L2001-3/4	Municipal District of Ennisco...	29,280 €	100%	Complete
6	WX R736-26/27	Borough District of Wexford	110,650 €	100%	Complete
7	WX R736-30	Borough District of Wexford	56,709 €	100%	Complete
Other Expenses:			0 €		
Total:			1,498,609 €		

At the bottom of the window, there is a 'DTTAS' section with the following information:

- Budget: € 1,498,609
- Date retrieved: 28-03-2018
- Submitted by: noelod
- Last submitted: 28-03-2018

The 'Submit' button is circled in red, indicating the next step in the process.

Map Road PMS – Close Out

Restoration Maintenance (RM)

Local Authority: **Westford County**

Name: **WX 2017 Restoration Maintenance Programme**

Description: **WX 2017 Restoration Maintenance Programme**

Generated on: **27/03/2018 10:27**

TAB 1 - General

Local Authority	Project Number	Works Code	Municipal District	Engineering Area	Road Class	Road Number	Works Name	Road Name	Work s Type Code	Funding Grant Category	FMS Job Code	Completed Surface Type	PSCI After	IRI After	Actual Length	Actual Area	Actual Width	Full Actual Project Cost	
WX	1	2017-WX-RS-5235	Municipal Dist	Ennisochy Roads Area	LP	L-2043-1	EV L2043-1		RS	RM		Surface Dressing	3	6.22	183	6378	6	28,800.00	
WX	2	2017-WX-RS-5240	Municipal Dist	Ennisochy Roads Area	LS	L-2044-1	EV L2044-1		RS	RM		Surface Dressing	3		1079	4539.48	4	31,200.00	
WX	3	2017-WX-RS-5240	Municipal Dist	Ennisochy Roads Area	LP	L-2046-2	EV L2047-1		RS	RM		Surface Dressing	3		949	5221.01	5.8	23,800.00	
WX	4	2017-WX-RS-5240	Municipal Dist	Ennisochy Roads Area	LP	L-2009-2	EV L2009-2		RS	RM		Surface Dressing	3		1967	8616.5	5.5	36,800.00	
WX	5	2017-WX-RS-5240	Municipal Dist	Ennisochy Roads Area	LP	L-2005-1	EV L2001-34		RS	RM		Surface Dressing	3		1196	7179	6	23,200.00	
WX	6	2017-WX-RS-5238	Borough Dist	Westford Roads Area	R	R-738-26	R WX R738-26/27		R	RS	RM	Surface Dressing	3	5.08	4239	24589	5.8	10,850.00	
WX	7	2017-WX-RS-5237	Borough Dist	Westford Roads Area	R	R-738-30	R WX R738-30		R	RS	RM	Surface Dressing	3	6.95	2126	12602	5.3	56,700.00	
WX	8	2017-WX-RS-5238	Borough Dist	Westford Roads Area	R	R-742-8	R WX R742-7/6	R742	RS	RM		Surface Dressing	3	5.1	795	4093.29	5.3	18,400.00	
WX	9	2017-WX-RS-5238	Borough Dist	Westford Roads Area	R	R-738-12	R WX R738-12/13	R738	RS	RM		Surface Dressing	3	5.83	3568	3338	6	16,000.00	
WX	10	2017-WX-RS-5238	Borough Dist	Westford Roads Area	LP	L-3065-1	WX L3065-2/6		RS	RM		Surface Dressing	3	5.63	2674	10748.9	4	70,850.00	
WX	11	2017-WX-RS-5237	Borough Dist	Westford Roads Area	LP	L-3066-1	WX L3066-1		RS	RM		Surface Dressing	3		1852	9329.7	5.8	35,200.00	
WX	12	2017-WX-RS-5238	Borough Dist	Westford Roads Area	LP	L-3065-1	WX L3065-1		RS	RM		Surface Dressing	3		569	2782.06	4.8	11,230.00	
WX	13	2017-WX-RS-5238	Borough Dist	Westford Roads Area	LP	L-3027-1	WX L3027-1		RS	RM		Surface Dressing	3		1495	7472.7	5	29,890.00	
WX	14	2017-WX-RS-5237	Borough Dist	Westford Roads Area	LS	L-7059-1	WX L7059-1		RS	RM		Surface Dressing	3		2994	12462.44	4.8	43,893.74	
WX	15	2017-WX-RS-5237	Borough Dist	Westford Roads Area	LS	L-7072-2	WX L7072-1		RS	RM		Surface Dressing	3		1531	7346.5	4.8	28,398.98	
WX	16	2017-WX-RS-5230	Borough Dist	Westford Roads Area	LS	L-7014-1	WX L7014-1		RS	RM		Surface Dressing	3		1203	6016.46	4.9	24,085.80	
WX	17	2017-WX-RS-5238	Borough Dist	Westford Roads Area	LT	L-3047-2	WX L3047-1		RS	RM		Surface Dressing	3		1968	8587.16	3.7	23,465.85	
WX	18	2017-WX-RS-5092	Municipal Dist	New Ross Roads Area	R	R-733-26	R NR R733-26	R733	RS	RM		Surface Dressing	10	3.05	1006	6039	6	27,762.00	
WX	19	2017-WX-RS-5093	Municipal Dist	New Ross Roads Area	R	R-734-2	R NR R734-2/22	R734	RS	RM		Surface Dressing	10	5.88	1540	8240	6	41,580.00	
WX	20	2017-WX-RS-5098	Municipal Dist	New Ross Roads Area	R	R-735-16	R NR R735-16/2	R735	RS	RM		Surface Dressing	10	5.41	2947	16046	6.3	72,200.00	
WX	21	2017-WX-RS-5098	Municipal Dist	New Ross Roads Area	R	R-804-6	R NR R736-13/14	R735	RS	RM		Surface Dressing	10	4.31	413	2619	6.1	11,326.50	
WX	22	2017-WX-RS-5093	Municipal Dist	New Ross Roads Area	LP	L-4031-1	NR L4031-1/2		RS	RM		Surface Dressing	3		1911	9098	8.5	32,382.00	
WX	23	2017-WX-RS-5099	Municipal Dist	New Ross Roads Area	LP	L-4031-1	NR L4006-2		RS	RM		Surface Dressing	3		1214	7292.9	6	28,120.00	
WX	24	2017-WX-RS-5000	Municipal Dist	New Ross Roads Area	LP	L-4004-1	NR L4004-2		RS	RM		Surface Dressing	3		1469	8340.79	5.6	33,363.00	
WX	25	2017-WX-RS-5093	Municipal Dist	New Ross Roads Area	LS	L-894-1	NR L894-1/3		RS	RM		Surface Dressing	3		2565	10708	5.5	63,958.31	
WX	26	2017-WX-RS-5093	Municipal Dist	New Ross Roads Area	LP	L-898-1	NR L892-1/2		RS	RM		Surface Dressing	3		2831	13955.9	5	52,823.00	
WX	27	2017-WX-RS-5099	Municipal Dist	New Ross Roads Area	LS	L-8033-1	NR L8033-1		RS	RM		Surface Dressing	3		1773	8862.95	5	36,450.20	
WX	28	2017-WX-RS-5093	Municipal Dist	New Ross Roads Area	LS	L-894-1	NR L894-1/3		RS	RM		Surface Dressing	3		964	4720	4	22,894.20	
WX	29	2017-WX-RS-5274	Municipal Dist	Goree Roads Area	LT	L-0000-1	GV L0000-6		RS	RM		Surface Dressing	10		1872	9846	5.5	43,384.68	
WX	30	2017-WX-RS-5274	Municipal Dist	Goree Roads Area	LP	L-0023-1	GV L0023-1		RS	RM		Surface Dressing	3		2682	10647	4	42,427.84	
WX	31	2017-WX-RS-5274	Municipal Dist	Goree Roads Area	LP	L-0014-1	GV L0014-1		RS	RM		Surface Dressing	3		1056	4765	4	27,862.00	
WX	32	2017-WX-RS-5274	Municipal Dist	Goree Roads Area	LS	L-0014-1	GV L0014-7		RS	RM		Surface Dressing	3		10	1488.00	5	14,880.00	
WX	33	2017-WX-RS-5274	Municipal Dist	Goree Roads Area	LP	L-0043-1	GV L0043-1		RS	RM		Surface Dressing	10		2630	14357.47	5.5	64,808.63	
WX	34	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LP	L-0023-1	GV L0023-2		RS	RM		Surface Dressing	3		710	3462.88	4	18,855.44	
WX	35	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LS	L-0013-1	GV L0013-1/2		RS	RM		Surface Dressing	10		1681	6339.33	3	25,397.00	
WX	36	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LS	L-0088-1	GV L0088-1		RS	RM		Surface Dressing	10		3020	9863.1	2	38,852.40	
WX	37	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LS	L-0023-1	GV L0023-1/2		RS	RM		Surface Dressing	10		1623	7121.19	4	31,618.16	
WX	38	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LS	L-0080-1	GV L0080-1		RS	RM		Surface Dressing	10		329	1801.11	5.5	8,140.00	
WX	39	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LT	L-0043-1	GV L0043-1		RS	RM		Surface Dressing	3		896	310	3.5	10,924.80	
WX	40	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LS	L-0046-1	GV L0046-1		R	RS	RM	Surface Dressing	3		448	230.89	8.8	11,858.00	
WX	41	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LS	L-0048-1	GV L0048-1		RS	RM		Surface Dressing	3		1957	7337.7	3.75	28,350.00	
WX	42	2017-WX-RS-5276	Municipal Dist	Goree Roads Area	LP	L-0031-1	GV L0031-1		RS	RM		Surface Dressing	3		2061	12366	6	55,647.00	
WX	43	2017-WX-RS-5467	Municipal Dist	New Ross Roads Area	LP	L-4008-1	NR L4008-1/2		RS	RM		Surface Dressing	3		230	1272.7	6	12,211.00	
Total Average															68418	356844.98		1,513,089.95	
																		4.21	#####
																		67334	351956.30

TAB 3 - After Works

Actual Unit Cost	DITTS Grant Category Cost	% Grant Category Cost	Adjusted Length (% GC)	Adjusted Area	StartX_a	StartY_a	EndX_a	EndY_a	Notes
4.13	14,324.00	48.74%	678	3470.93	700399	631329	701739	630885	Olgare to Coolmain
18.10	18,100.00	100.00%	3798	4828.48	705862	641708	705298	641811	Rahenduff
4.82	23,800.00	0.0000%	949	6221.01	630957	630957	630957	630957	Garr
4.27	36,800.00	0.0000%	1967	8616.5	633502	643980	63146	648170	Castledroichead to Sloughmore
4.061	23,200.00	38.36%	1196	7174.77	639909	639907	639904	639921	Drumderg
4.50	10,850.00	0.0000%	4239	24589	688342	690211	683642	690821	Dunormick to Pathangan
4.50	56,700.00	0.0000%	2136	12602	697433	692277	688634	698852	Bridgdown to Baldwinstown
4.50	18,400.00	0.0000%	795	4093.29	703299	693963	703292	693936	Curralee Village
4.50	16,000.00	0.0000%	568	3338	685886	68126	686803	681183	Newtown to Coolclogh
4.50	70,850.00	0.0000%	2634	10748.9	708428	704918	704918	698729	Ballyclogh to Ballinmore
4.50	26,200.00	0.0000%	923	3629.7	68747	624460	68747	624460	Kyle Upper
4.50	11,230.00	0.0000%	630	2782.06	702770	693945	702780	693777	White Cross to Randlestown
4.50	23,890.00	0.0000%	1438	7472.7	688868	68822	639781	688838	Shelmalone Commons to Mullagh
4.50	43,893.74	0.0000%	2994	12462.44	705258	693296	704839	694443	Farmer's Knot to Eglare Castle
4.50	23,380.00	0.0000%	1531	7346.5	70195	693943	70672	690801	Kilsha Cross to Cross of the Lou
4.50	24,085.80	0.0000%	1253	6016.46	69946	622986	69946	622986	Ballygom
4.50	23,465.85	0.0000%	1968	8587.16	686024	687176	686020	686200	Tragstown to Cleinstown
4.50	27,762.00	0.0000%	1006	6039	689228	63244	689274	632094	Brophy's to Ballyackbeg
4.50	41,580.00	0.0000%	1540	8240	672735	603769	672735	603488	Orange Little to Figh
4.50	72,200.00	0.0000%	2947	16046	685856	682373	685856	682377	Lampara to Tomkarron
4.50	11,326.50	0.0000%	413	2619	68880	62740	688880	62742	The Barrack to Clonjahan
4.50	32,382.00	0.0000%	1911	9098	61761	61769	61762	617706	Coolin to Ballykeerogue
4.50	28,120.00	0.0000%	1214	7292.9	687444	693960	687444	693914	Cloncloe to Clonjahan
4.50	33,363.00	0.0000%	1439	8340.79	683677	633884	683681	633745	Poupeasta to Donard
4.50	63,958.31	0.0000%	2566	10708	63046	624457	630512	620188	Gransowen to Inabawn
4.50	52,823.00	0.0000%	2831	13955.9	674509	619627	674542	619041	Croke to Carrigrohane
4.50	36,450.20	0.0							

Training

Training

Training for Designers

- Surface Dressing for Engineers
 - 3 Day Programme (1st Day Online)
 - Units
 - Programming
 - Preparation Work
 - Design (IAT)
 - Surface Dressing Operations
 - Aftercare
- Surface Dressing Series 900 Design & Contracts
 - Standalone 1 day Programme
 - Units
 - “HD300” Design
 - Quality Assurance Procedures
 - Setting End Performance Requirements
 - Surface Dressing Contracts
- Book Today at your Regional Training Centre
 - Charlie Kerr
 - Vincent Lynn
 - Laurence Hegarty



Thank You!

*Noel O'Driscoll BE CEng Dip Highways FIEI MIAT
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