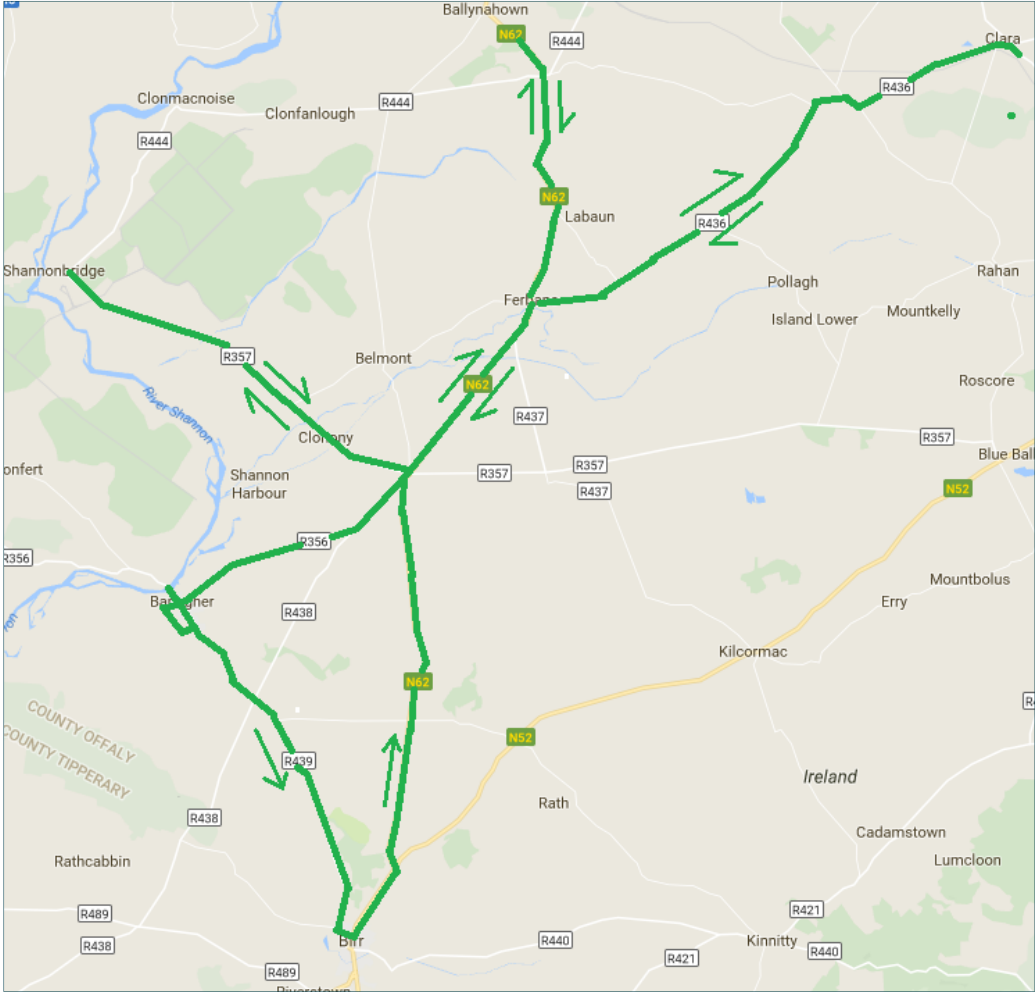


ROUTE DRAWINGS & SCHEDULES

ROUTE CARD FOR PRECAUTIONARY TREATMENT ROUTES IN BIRR MUNICIPAL DISTRICT – BIRR NORTH

Depot: Birr
Registration Plate: 06 TN 2258
Average Speed for route: 40 km/hr
Average spread width for the route: 10 m
Route Tonnage at 10 / 20 / 40 gms/m²: 7.95 / 15.9 / 31.82 tonnes



ROUTE CARD FOR PRECAUTIONARY TREATMENT ROUTES IN BIRR MUNICIPAL DISTRICT – BIRR NORTH

Road	From	To	Action	Free run km	Spreading Distance km	Average Speed km/hr	Time mins
L-1077 R439 N52	Birr Depot	Kennedys Cross	Travel	3.1	--	35	5.3
N62	Kennedys Cross	Ballinahown	Salt	--	27.9	41.85	40
N62	Ballinahown	Doon	Travel	2.1	--	49	2.6
N62/R444	Doon	Rohan Transport	Salt	--	1.9	35	3.3
R444/N62	Rohan Transport	Doon	Travel	1.9	--	49	2.3
N62	Doon	Ferbane	Travel	10	--	49	12.3
R436	Ferbane	Bridge Street Clara	Salt	--	17.5	35	30
R436	Bridge Street Clara	Ferbane	Travel	17.5	--	35	30
N62 R357	Ferbane	Shannonbridge County Boundary via Cloghan	Travel / Salt	6.4	13.1	41	28.4
R357	Shannonbridge County Boundary	Cloghan	Travel	13.1	--	42	18.7
R356	Cloghan	Wynnes Cross	Travel	2.5	--	43	3.5
R356 / R439	Wynnes Cross	Banagher Corrigan's Corner	Salt	--	5.8	42	8.3
R439	Banagher Corrigan's Corner	East End of Relief Road	Travel	1.2	--	34	2.1
Local / R439	East End of Relief Road	Banagher County B via relief road	Salt	--	2.9	42	4.1
R439 / L-01077	Banagher County Boundary	Birr Depot	Travel / Salt / Travel	0.85	11.45	42	17.6
Totals				58.65	80.6		208.5
Route Efficiency				58%			

**ROUTE CARD FOR PRECAUTIONARY TREATMENT
ROUTES IN BIRR MUNICIPAL DISTRICT – BIRR
SOUTH**

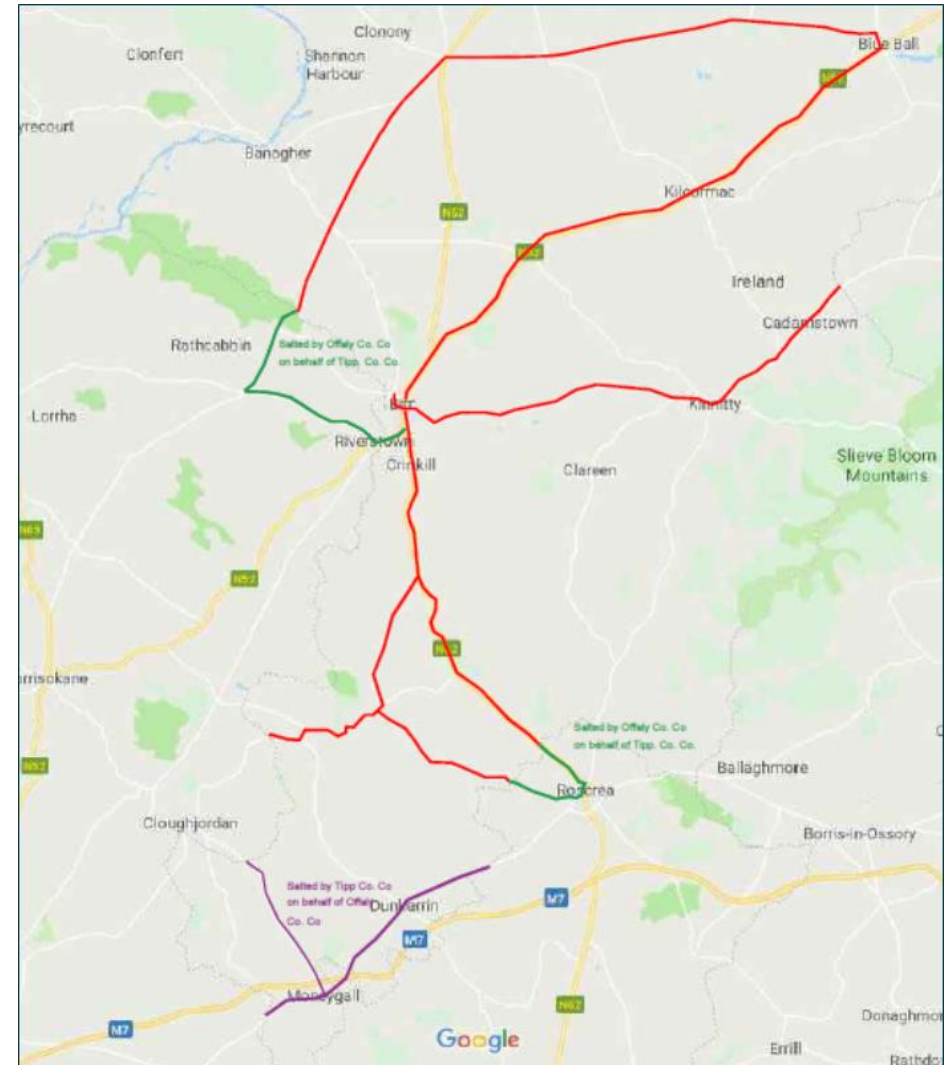
Depot: Birr

Registration Plate: 132 LK 513

Average Speed for route: 44 km/hr

Average spread width for the route: 10 m

Route Tonnage at 10 / 20 / 40 gms/m²: 10.9 / 21.8 / 43.6 tonnes



ROUTE CARD FOR PRECAUTIONARY TREATMENT ROUTES IN BIRR MUNICIPAL DISTRICT – BIRR SOUTH

Road	From	To	Action	Free run km	Spreading Distance km	Average Speed km/hr	Time mins
R439	Birr Depot	Emmet Square	Travel/Salt	0.25	0.75	20	3
N52	Emmet Square	Blueball	Salt	--	25.7	48	32
R357	Blueball	Cloghan	Salt	--	18.4	42	26
R438 / R356	Cloghan	Junction R438 with R489 Tipperary	Salt	--	16.3	43	23
R489	Junction R438 with R489 Tipperary	Junction R489 with N52	Travel	--	6.1	41	9
N52	Junction R489 with N52	Junction with N62 Tesco Roundabout	Salt	--	1.5	35	2.6
N62	Junction with N62 Tesco Roundabout	N62 Junction with Mains street Roscrea	Salt	--	18	42	26
R421/ R491	N62 Junction with Main Street Roscrea	Shinrone	Travel/ Salt	0.8	9.5	41	15
R491	Shinrone	R491 Derrinclare, Cloughjordan rd County B	Salt	--	5.2	42	7.5
R491/ R492	R491 Derrinclare Cloughjordan Road County B	Juction R492 with N62 at Sharavogue	Travel/ Salt	5.2	6.2	41.5	16.5
N62	Junction R492 with N62 at Sharavogue	Junction with N52 Tesco Roundabout	Travel	6.5	--	41	9.5
N52/R440/ R421	Junction with N52 Tesco Roundabout	Cadamstown County Boundary via Kinitty	Salt	--	21.5	50	26
R421/ R440/N52	Cadamstown County Boundary via Kinitty	Birr Depot	Travel/ Salt/T	21.4	0.15	46	28
Totals				34.15	129.3		224
Route Efficiency				79%			

ROUTE CARD FOR PRECAUTIONARY TREATMENT ROUTES IN TULLAMORE MUNICIPAL DISTRICT

Depot: Tullamore

Registration Plate: 132 KE 846

Average Speed for route: 42.7 km/hr

Average spread width for the route: 10 m

Route Tonnage at 10 / 20 / 40 gms/m²: 11.9 / 23.8 / 47.6 tonnes



ROUTE CARD FOR PRECAUTIONARY TREATMENT ROUTES IN TULLAMORE MUNICIPAL DISTRICT

Road	From	To	Action	Free Run (km)	Spreading Distance (km)	Average Speed (km/hr)	Time (mins)
R443 / R414	Machinery Yard	Arden Roundabout	Salt	--	2.7	24	6.7
N52 / R389	Arden Roundabout	Kilbeggan	Salt	--	10	50	12
R446 Old N6	Kilbeggan	Clara Road Junction	Travel	0.7	--	32	1.3
R436	Clara Road Junction	Bridge Street, Clara	Salt	--	7.8	50	9.3
R420 Old N80	Bridge Street Clara	County Boundary Junction R446	Travel	9	--	45	12
R420	County Boundary R446	Junction R420 with R421	Salt	--	19	48	24
R421	Junction R420 with R421	Arden Junction on Bypass	Salt	--	1.7	50	2.7
N52	Arden Junction on Bypass	Arden Roundabout	Travel	1.91	--	38	2.7
N52	Arden Roundabout	Blueball	Salt	--	15.4	50	18.6
N52	Blueball	Mucklagh Junction	Travel	3.7	--	56	4
L2030	Mucklagh Junction	Mucklagh Roundabout via Mucklagh	Salt	--	2.4	36	4
N52	Mucklagh Roundabout	Clonminch Roundabout	Travel	4.3	0	60	5
N80	Clonminch Roundabout	Killeigh County Boundary	Salt	0.5	8.1	50	8
R421 / L2002 / N80	Killeigh County Boundary	County Boundary at Black River via Killurin	Travel	16	0	45	17.5
R421 / N52 / L2030	County Boundary at Black River	Screggan Junction Mucklagh via Ballard	Salt/Travel	3.3	10.3	50	16
L2011 / L2007	Screggan Junction Mucklagh	Ballydrohid via Rahan	Salt	--	12.7	25	30

R443 / R441	Ballydrohid	Charleville Roundabout	Salt	--	4.9	32	9.3
N52	Charleville Roundabout	N52/N80 Roundabout	Travel	3	--	45	4
R443 / R421	N52/N80 Roundabout	Harbour St via High St. Rndbt)	Salt	--	3.4	40	7
R420	Harbour Street	Ballina Cross	Salt	--	9.7	49	12
R402	Ballina Cross	Ballinagar	Travel	3.4	--	51	4
L02025 /R420 / L02026 / R443	Ballinagar	High St. Roundabout (salt Bachelors Walk)	Salt / Travel / Salt / Travel	0.9	10.8	44	16
R421	High Street Roundabout	Kilcruttin Junction	Salt	--	0.4	18.5	1.3
R443	Kilcruttin Junction	Machinery Yard	Travel	2.4	--	36	4
Totals				49.11	119.3		231.4
Route Efficiency				70.84%			

ROUTE CARD FOR PRECAUTIONARY TREATMENT ROUTES IN EDENDERRY MUNICIPAL DISTRICT

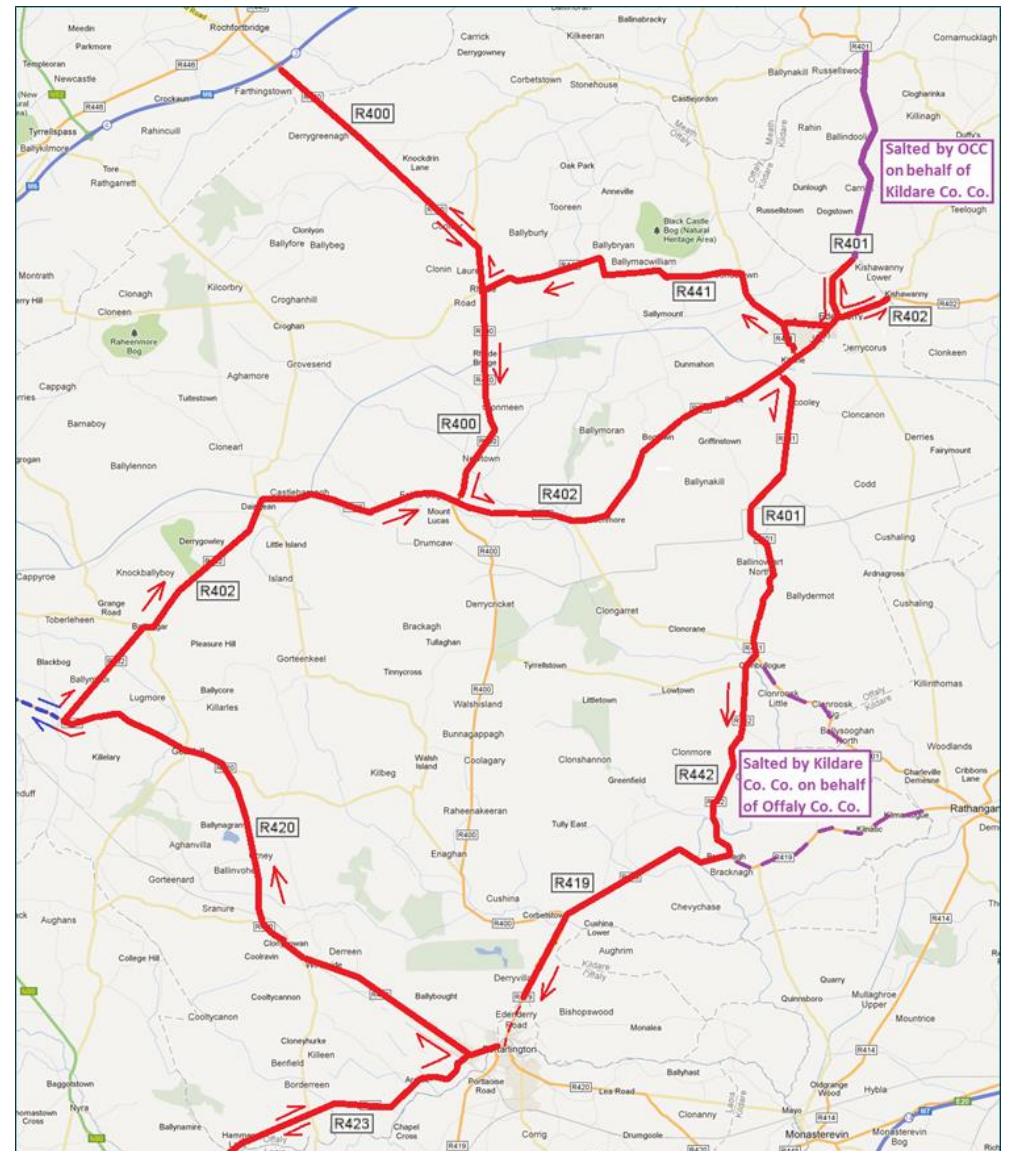
Depot: Tullamore

Registration Plate: 10 OY 7894

Average Speed for route: 51 km/hr

Average spread width for the route: 7.5 m

Route Tonnage at 10 / 20 / 40 gms/m²: 8.22 / 16.44 / 32.88 tonnes



ROUTE CARD FOR PRECAUTIONARY TREATMENT ROUTES IN EDENDERRY MUNICIPAL DISTRICT

Road	From	To	Action	Free run km	Spreading Distance km	Average Speed km/hr	Time mins
R420 / N52 / R420	Machinery Yard	Ballina Cross	Travel	12.4	--	50	16
R402	Ballina Cross	County Boundary Kildare Kishawanny	Salt	--	28.4	60	30
R402 / R401	County Boundary Kildare Kishawanny	County Boundary Meath R401	Travel / Salt	1.5	8	40	12.3
R401 / R402 / R441 / R400	County Boundary Meath R401	M6 interchange north of Rhode via Rhode	Travel / Salt	8.5	19.5	50	35.3
R400 / R402	M6 interchange north of Rhode	Edenderry Junction with R401 via Mountlucas	Travel / Salt / Travel	19.3	6.2	60	27.3
R401 / R442 / R419	Edenderry Junction with R401	Cushina County Boundary Portarlinton via Clonbullogue / Bracknagh	Salt	--	22.7	50	29.5
R419 / R420 / R423	Cushina	County Boundary R423 via Garryhinch Cross	Travel / Salt	1.6	8.4	50	12.8
R423 / R420	County Boundary R423	Ballina Cross via Portarlinton	Travel / Salt	7.6	16.4	60	25.7
R420 / N52 / R420	Ballina Cross	Machinery Yard	Travel	12.4	--	50	16
Totals				63.3	109.6		205
Route Efficiency				63.39%			