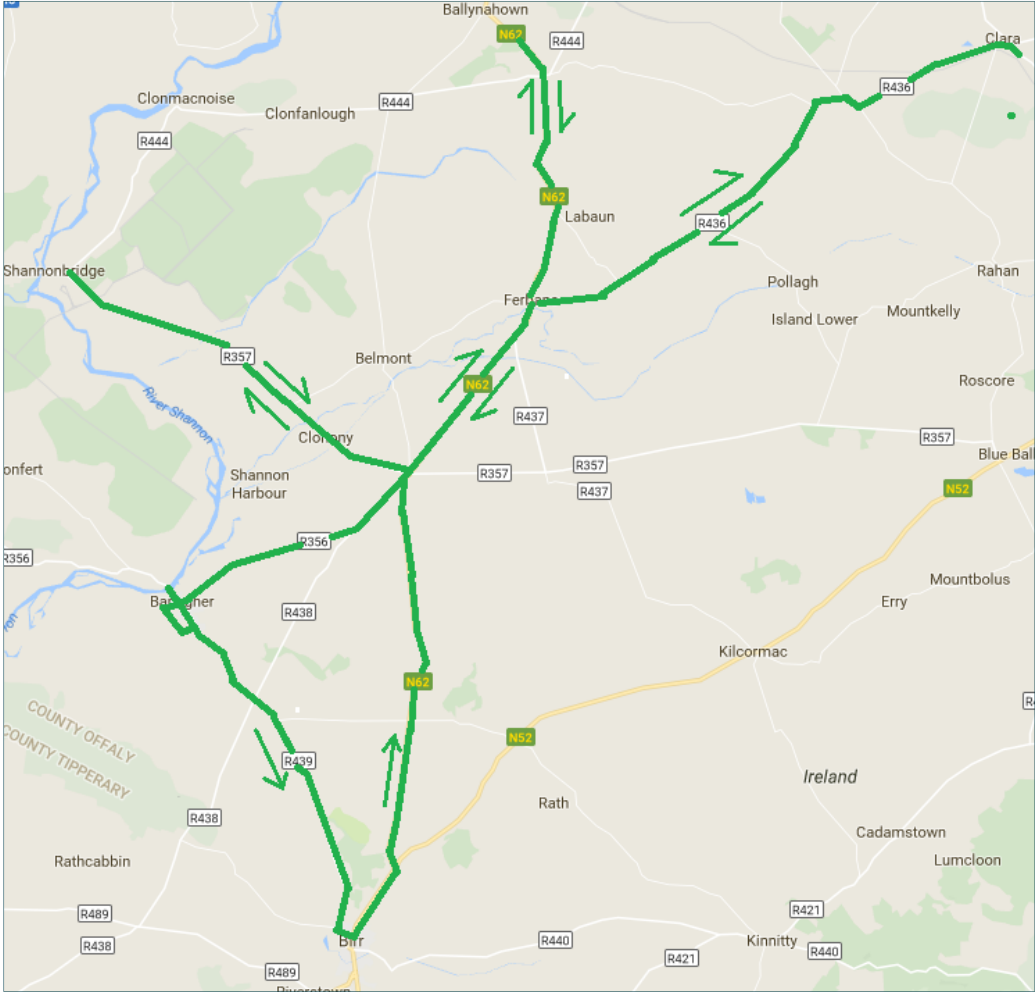


ROUTE DRAWINGS & SCHEDULES

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**

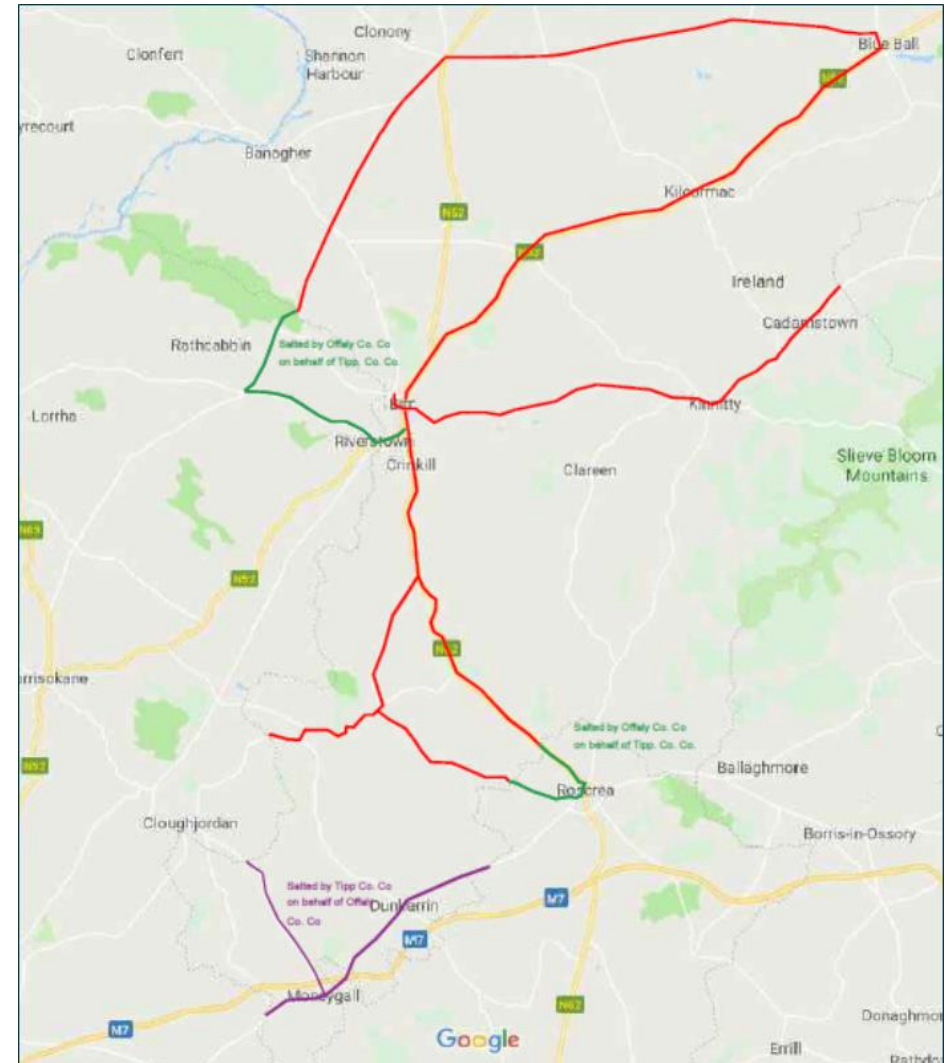
Depot: Birr

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

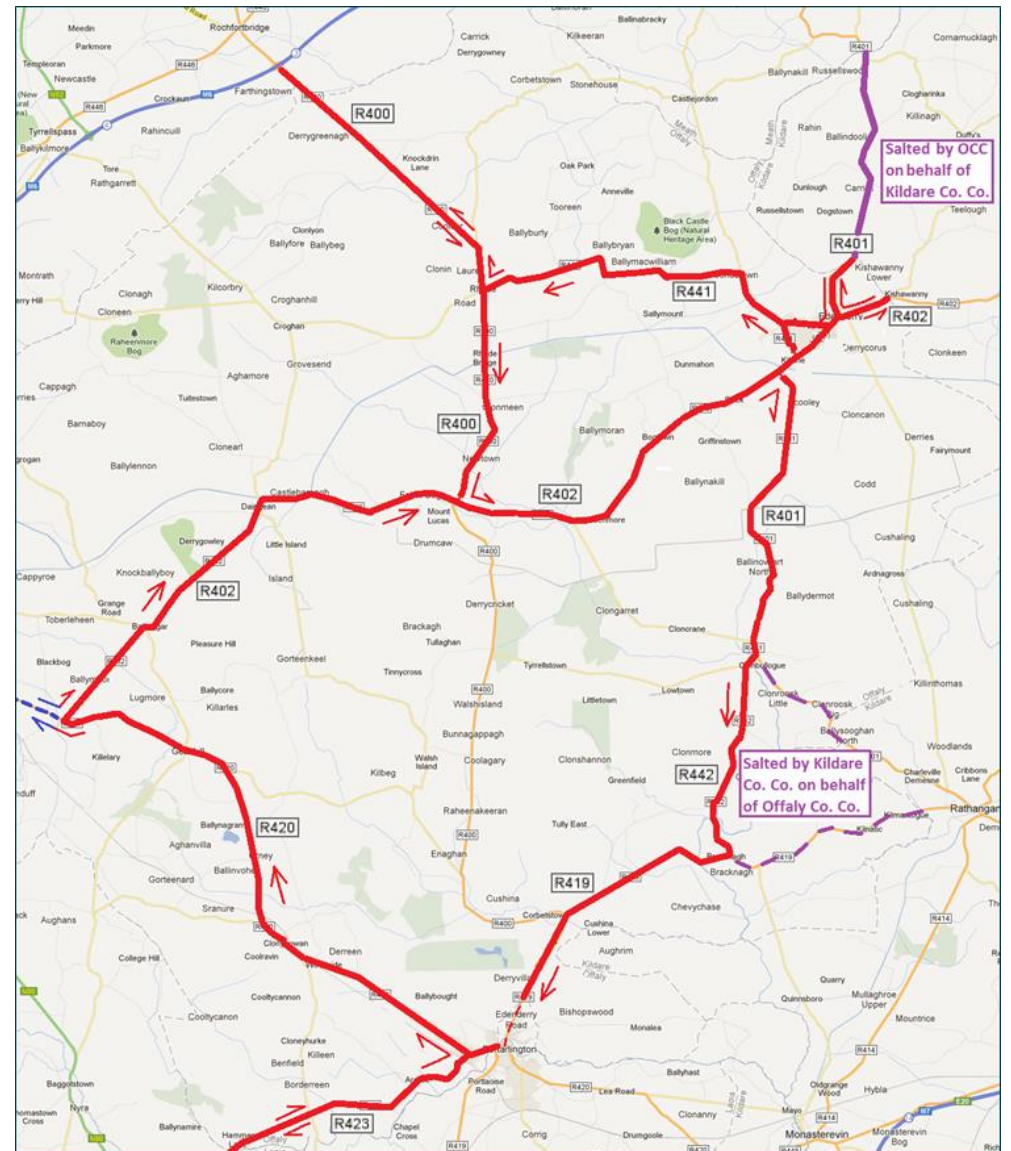
Depot: Tullamore

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% | | | |