

6. Traffic and Road Accidents

Accident statistics for the existing road networks within the southern section of the study area was compiled from database records maintained by the NRA for the four-year period from 1996 to 1999 inclusive. This information is presented graphically on Figures 4A and 4B indicating the location and type (classified as minor, serious and fatal) of traffic accidents.

Table 6.1 shows the 1999 AADT traffic flows for the following National Roads in the study area (north and south):

N9	Waterford to Kilcullen
N10	Ballyhale – Kilkenny – Paulstown
N76	Callan to Kilkenny
N77	Kilkenny to Durrow
N78	Kilkenny (junction with N77) – Athy – Kilcullen
N80	Ballon to Stradbally

Data has also been obtained from the NRA National Accident database for the four years 1996 to 1999 inclusive. The results are shown diagrammatically on Figures 4A and 4B for the following categories of accident:

fatal;
serious injury;
injury.

Table 6.1 – Daily Traffic Flows (1999 AADT)

ROAD SECTION	LOCAL AUTHORITY	SECTN LENTH MILES	MILES UP TO THIS	DESCRIPTION OF STARTING POINT OF THE SECTION	ESTIMATE 1999 AADT	% HCV	A G E
ROUTE N 9							
WATERFORD - THOMASTOWN - CARLOW - JN N7 GREATCONNELL							
START OF ROUTE IN WATERFORD							
1A	*WATBO	0.36	0.00	JN @ RLY STATN.MEET N25	13913	16%	3
1B	*KILKN	0.62	0.36	CO/CITY BOUNDARY	15170	14%	
END WATERFORD							
2/1	KILKN	0.60	0.98	END SL N OF WATERFORD	16241	16%	3
3/1	KILKN	6.41	1.58	YJN WITH N24	7105	15%	
ENTER MULLINAVAT							
4/1	*KILKN	7.80	7.99	YJN LHS	5431	20%	2
END MULLINAVAT							
5/1	KILKN	4.54	15.79	JN WITH N10 S OF KTOPHER	3662	14%	1
ENTER THOMASTOWN							
6/1	*KILKN	0.41	20.33	30 SL W OF THOMASTOWN	5094	12%	2
7/1A	*KILKN	0.31	20.74	TJN TO KILKENNY WITH T20	4061	13%	2
END THOMASTOWN							
8/1A	KILKN	8.25	21.05	30 SL E OF THOMASTOWN	3221	15%	2
9/1A	KILKN	4.09	29.30	30 SL NE OF GOWRAN	2879	13%	
10/1	KILKN	2.18	33.39	JN N10 FROM KILKENNY	9264	15%	
11/1A	CARLO	2.55	35.57	TJN TO MUINEBEAG L33	8943	18%	
12/1	CARLO	6.70	38.12	JN R705 TO LEIGHLINBR	11419	16%	
ENTER CARLOW							
13/1	*CARLO	0.99	44.82	40 SL S OF CARLOW	11951	16%	
14/1	*CARLO	1.11	45.81	JN WITH N80 & TULLOW ST	10547	20%	

END CARLOW
 15/1A CARLO 5.54 46.92 END SL N CARLOW 10378 20% 2
 ENTER CASTLEDERMOT
 16/1 *KILDA 5.79 52.46 YJN RHS 9140 21%
 END CASTLEDERMOT
 17/1 KILDA 2.45 58.25 TJN RHS 10183 19% 1
 18/1 KILDA 7.58 60.70 CROOKSTOWN R416 TO KILD 9581 21% 1
 19/1 KILDA 4.12 68.28 DI N78 ATHY & KILCULLEN 9540 22%
 END OF ROUTE : INTERCH M7 NEAR LEWISTWN

OROAD	LOCAL	SECTN	MILES	DESCRIPTION OF	ESTIMATE	A
SEC-	AUTH-	LENTH	UP TO	STARTING POINT	1999 %	G
TION	ORITY	MILES	THIS	OF THE SECTION	AADT HCV	E

ROUTE N 10
 BALLYHALE - KILKENNY - PAULSTOWN

START OF ROUTE : ROUTE STARTS JN WITH N9
 1/1 KILKN 4.56 0.00 Y JN RHS N9 3122 20%
 2/1 KILKN 7.60 4.56 ST 40 SL S STONYFORD 4441 15% 1
 ENTER KILKENNY BYPASS
 3/ *KILKU 0.91 12.16 RO @ SMITHSLAND,END N76 11377 14% 2
 4/ *KILKU 0.35 13.07 RO @ GALLOWSHILL (T20) 12759 15% 2
 END KILKENNY BYPASS
 5/1A KILKN 4.16 13.42 RO @ DUBLIN RD,MEET N77 10073 15% 1
 6/1A KILKN 5.40 17.58 Y JN RHS TO GOWRAN R702 6603 20% 1
 ENTER PAULSTOWN
 END OF ROUTE : ROUTE ENDS AT JN WITH N9

OROAD	LOCAL	SECTN	MILES	DESCRIPTION OF	ESTIMATE	A
SEC-	AUTH-	LENTH	UP TO	STARTING POINT	1999 %	G
TION	ORITY	MILES	THIS	OF THE SECTION	AADT HCV	E

ROUTE N 76 (Part of Route)
 CALLAN - KILKENNY

ENTER CALLAN
 6/1 *KILKN 0.35 17.17 T JN RHS CARRICK ON SUIR 6005 17% 2
 7/1 *KILKN 3.40 17.52 CR WATERFORD L111 5231 19% 2
 END CALLAN
 8/1 KILKN 5.69 20.92 BALLYMACK CROSSROADS 5652 16% 1
 ENTER KILKENNY BYPASS
 9/ *KILKU 0.70 26.61 RO @ WETLAND ENTER BYPAS 7848 14% 2
 END OF ROUTE : RO HITH N10 @ SMITHSLAND

OROAD	LOCAL	SECTN	MILES	DESCRIPTION OF	ESTIMATE	A
SEC-	AUTH-	LENTH	UP TO	STARTING POINT	1999 %	G
TION	ORITY	MILES	THIS	OF THE SECTION	AADT HCV	E

ROUTE N 77
 KILKENNY - DURROW

START OF ROUTE IN KILKENNY
 1A *KILKU 0.90 0.00 RO WITH N10 ON DUBLIN RD17771 10% 2
 END KILKENNY
 1B KILKU 1.14 0.90 JN JOHN ST/DUBLIN RD 14363 11% 1
 2/1 KILKN 2.67 2.04 END 40 SL N KILKENNY 8211 16% 2

3/1 KILKN 6.83 4.71 JN WITH N78 3479 23%
 ENTER BALLYRAGGET
 4/1 *KILKN 0.34 11.54 T JN RHS BALLINAKILL T14 4552 22% 4
 END BALLYRAGGET
 5/1A KILKN 4.99 11.88 T JN TO FRESHFORD L110 3097 19% 1
 ENTER DURROW
 END OF ROUTE : ROUTE ENDS AT JN WITH N8

ROAD	LOCAL	SECTN	MILES	DESCRIPTION OF	ESTIMATE	A
SEC-	AUTH-	LENTH	UP TO	STARTING POINT	1999	%
TION	ORITY	MILES	THIS	OF THE SECTION	AADT	HCV
						E

ROUTE N 78
 KILKENNY(JN WITH N77) - ATHY - KILCULLEN

START OF ROUTE : ROUTE STARTS JN WITH N77
 1/1 KILKN 7.36 0.00 JN TO BALLYRAGGET N77 4169 12%
 ENTER CASTLECOMER
 2/1 *KILKN 0.54 7.36 ST 40 SL S CASTLECOMER 3660 17% 3
 3/1 *KILKN 0.29 7.90 JN TO BALLYRAGGET L110 4523 10% 1
 END CASTLECOMER
 4/1 KILKN 4.08 8.19 END 30 SL NE CASTLECOMER 3294 13% 1
 5/1 LAOIS 1.75 12.27 Y JN CARLOW L110 1290 15% 4
 6/1A LAOIS 5.64 14.02 COMPLEX JN L31 1917 19%
 7/1 LAOIS 0.03 19.66 T JN RHS CARLOW N80 2076 12% 1
 8/1 LAOIS 4.86 19.69 T JN LHS ABBEYLEIX N80 2935 13%
 ENTER ATHY
 9/1 *KILDA 0.70 24.55 ST 30 SL SW ATHY 4563 11% 2
 10/1 *KILDA 0.61 25.25 CR WITH L18 CARLOW 9926 11% 1
 END ATHY
 11/1A KILDA 5.35 25.86 END 40 SL NE ATHY 5138 13% 1
 12/1A KILDA 5.73 31.21 T JN LHS KILDARE L180 4581 15%
 13/1 KILDA 2.11 36.94 Y JN RHS TO CALVERSTOWN 5333 12%
 END OF ROUTE : ROUTE ENDS JN WITH M9

ROAD	LOCAL	SECTN	MILES	DESCRIPTION OF	ESTIMATE	A
SEC-	AUTH-	LENTH	UP TO	STARTING POINT	1999	%
TION	ORITY	MILES	THIS	OF THE SECTION	AADT	HCV
						E

ROUTE N 80 (Part of Route)

ENTER CARLOW
 7/1 *CARLO 0.68 27.25 JN TO TULLOW L31 10628 12% 2
 8/1 *CARLO 0.62 27.93 ST 30 SL SE CARLOW 9259 11%
 8/4 *CARLO 0.00 28.55 ROUTE FOLLOWS N9-13/3 0 11%
 8/5 *CARLO 0.26 28.55 JN N9 & KENNEDY AV 9259 11%
 9/1 *CARLO 0.69 28.81 JN KENEDY AV & KENEDY ST10603 7%
 END CARLOW
 10/1 LAOIS 8.30 29.50 END 30 SL NW CARLOW 2349 12%
 12/1A LAOIS 6.93 37.80 JN WITH N78 2678 13% 1
 ENTER STRADBALLY
 13/1 *LAOIS 5.26 44.73 JN TO ATHY L109 4861 13% 2
 END STRADBALLY

Source: National Roads and Traffic Flow 1999, RT 580, NRA