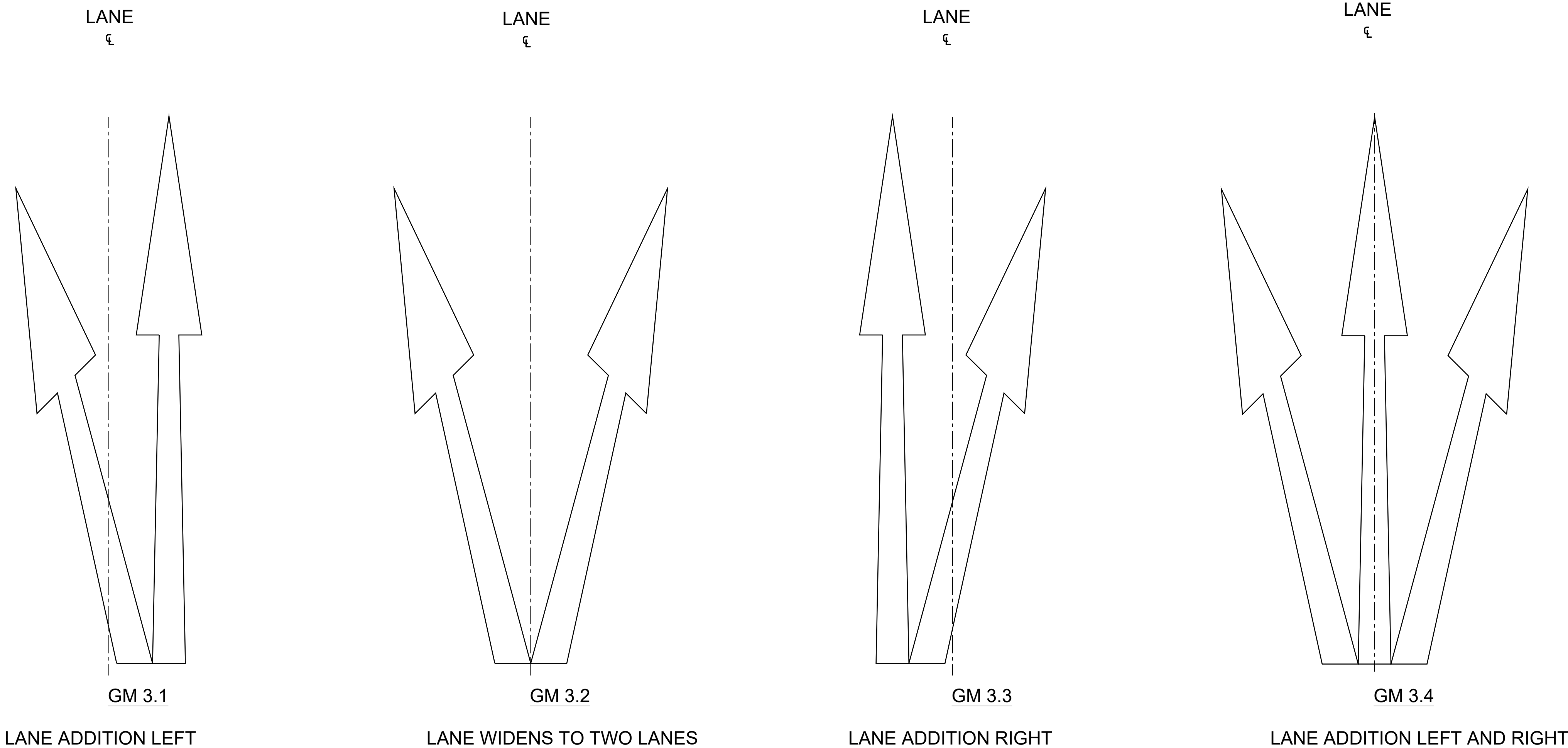


ROAD MARKINGS - BIFURCATION ARROWS
N.T.S



APPLICATIONS
N.T.S

DIMENSIONS (mm)

OPERATING SPEED (km/h)	TYPICAL APPLICATION	a	b	c	d	e	f	g	h	i	j
30-40	CITY-CENTRE	2500	1500	1000	2170	1141	268	761	1235	81	855
50-60	URBAN ROADS	4000	2400	1600	3472	1826	429	1218	1976	129	1367
70-90	URBAN/ RURAL EXPRESSWAY	5000	3000	2000	4340	2282	536	1522	2470	161	1709
100-120	RURAL AND FREEWAYS	7500	4500	3000	6510	3423	804	2283	3705	242	2564

OPERATING SPEEDS AND APPLICATIONS	K	L	M	N	O	P	Q	R	S	T
	1700	1250	1100	210	180	921	329	300	188	161

NOTES:

- THESE ARROWS MAY BE USED TO INDICATE THAT THE NUMBER OF LANES ARE INCREASING AHEAD. ONLY ONE SET OF ARROWS SHOULD BE USED UNLESS A LEFT AND RIGHT TURN LANE ARE ADDED TO A MULTI-LANE ROADWAY AT THE SAME POINT WHERE TWO SETS MAY BE USED.
- DIRECTION ARROWS AHEAD SHALL NOT BE USED TO INDICATE THE ADDITION OF LANES AHEAD.
- AS A GENERAL RULE BIFURCATION ARROWS SHOULD BE LOCATED TWO TO THREE MARKING MODULES BEFORE THE START OF THE LANE GENERATING TAPER OR CURVE.

ARROW AREA (m²)

a	GM3.1/ GM3.3	GM3.2	GM3.4
2500	1.30	1.27	1.93
4000	2.07	2.04	3.09
5000	2.59	2.55	3.87
7500	3.89	3.82	5.80

FOR TENDER

(FOR TENDER PURPOSES ONLY)

		CONSTRUCTION RECORD (AS-BUILT)				DESIGNED BY		CONSULTANT APPROVAL		HEAD OFFICE		EASTERN REGION		ACCEPTANCE		PROJECT DESCRIPTION		PROJECT NUMBER		N.002-300-2020/1			
		WORKS CONTRACT ENGINEER				NAME		Name		48 Tambotie Avenue Val de Grace Pretoria 0184		58 Van Eck Place Mkondeni Pietermaritzburg 3201		THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING		THE CONSTRUCTION OF PAVEMENT AND SETTLEMENT REPAIRS ON NATIONAL ROUTE 2, SECTION 30 FROM BUSHVELD RETREAT FARM (km47.0) TO HLUHLUWE INTERCHANGE (km 55.0)		DRAWING LOCATION DATA		START		END	
		Name				Prof. Reg. No.		Prof. Reg. No.		Date		Date						ROUTE		SECTION 30		SECTION 30	
		Date				CHECKED BY		Date				PO Box 100410 Scottsville 3209				DRAWING DESCRIPTION		DRAWING km DISTANCE		km 47.0		km 55.0	
		SANRAL PROJECT MANAGER				NAME										ROAD MARKINGS BIFURCATION ARROWS		DRAWING TYPE		ROAD MARKINGS			
		Name				Prof. Reg. No.		Prof. Reg. No.		DRAWN BY								BRIDGE/STRUCTURE No.		N/A			
		Date																CONSULTANT DRAWING No.		TP2113-T-104		VER	
1		23/10/09		ORIGINAL														SCALE :		N.T.S		SHEET 5 OF 8	
No.		DATE		REVISION		CONSULT. ENG.												SANRAL DOCUMENT #				1	