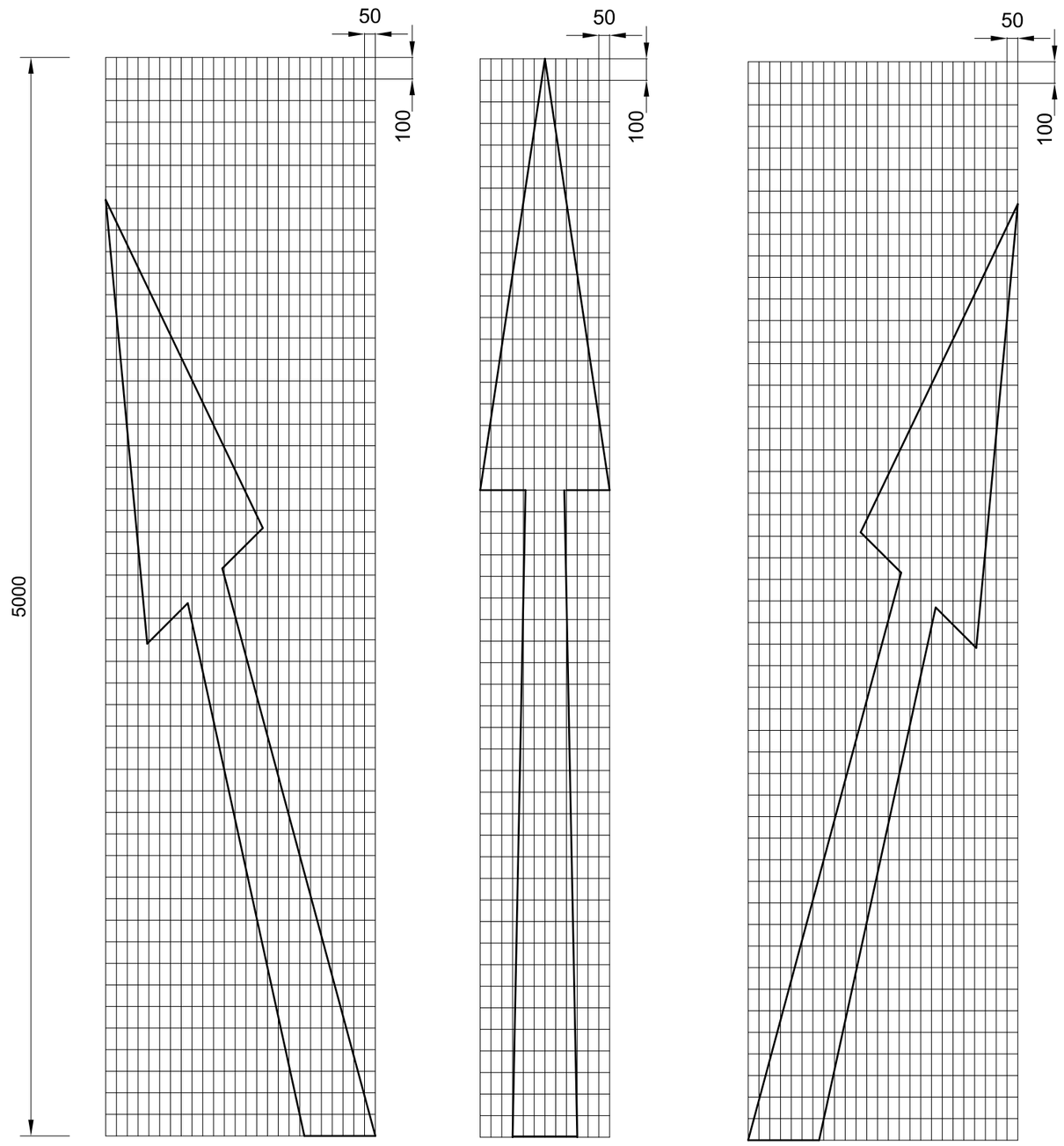
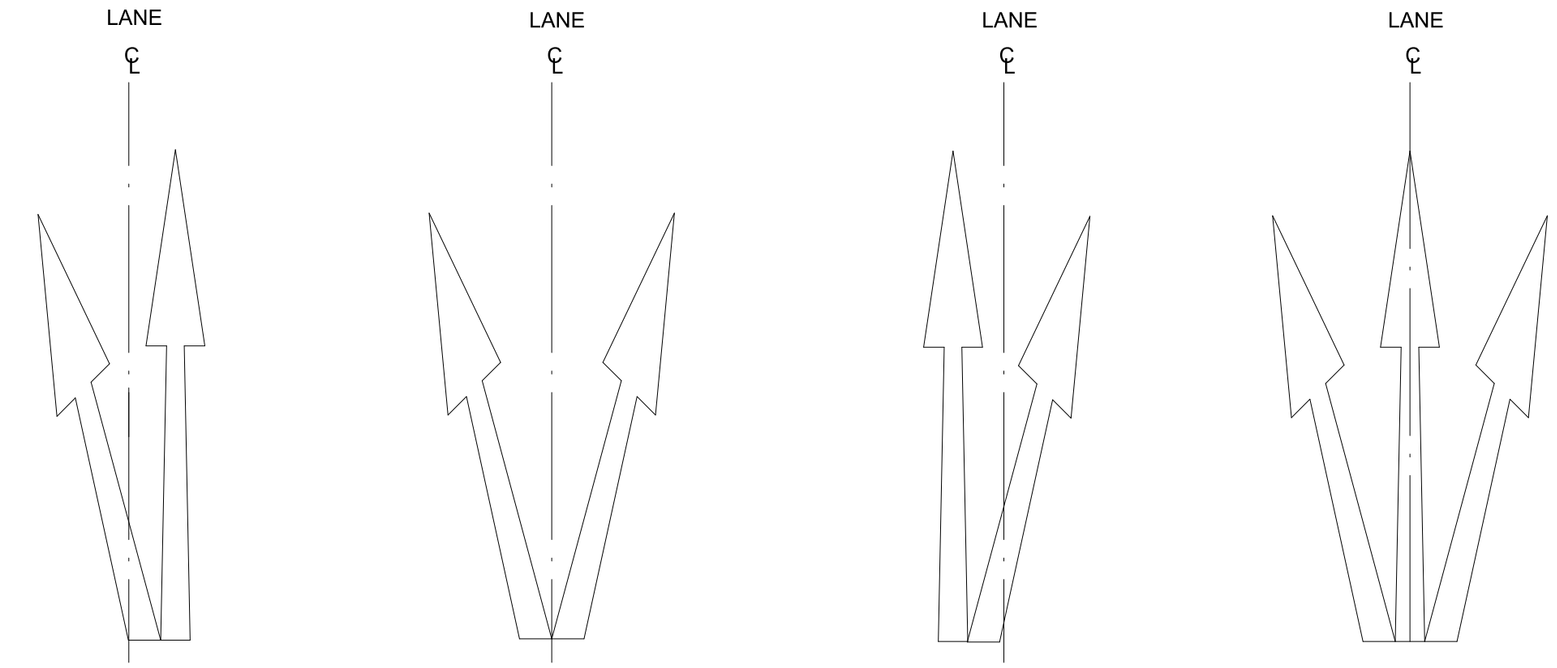
ROAD MARKINGS - BIFURCATION ARROWS



SCALE 1 : 25



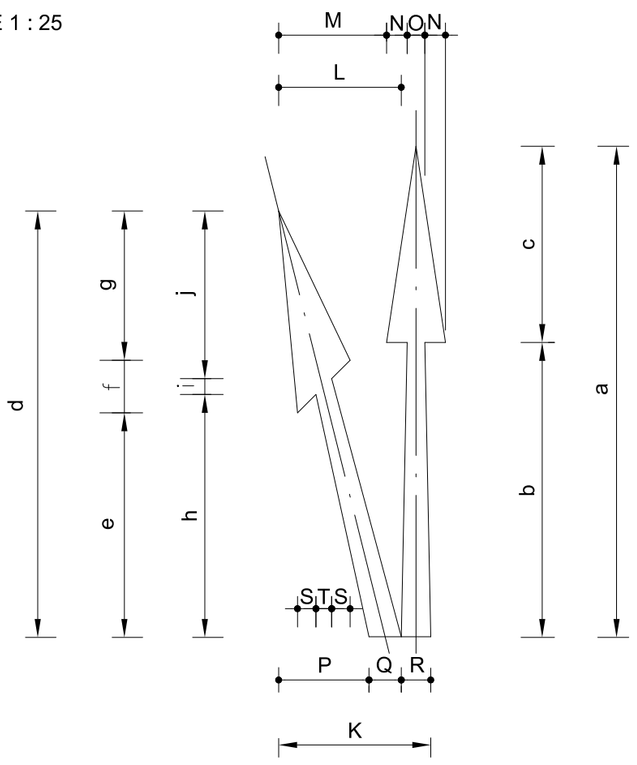
GM 3.1
LANE ADDITION LEFT

GM 3.2
LANE WIDENS TO
TWO LANES

GM 3.3
LANE ADDITION RIGHT

GM 3.4
LANE ADDITIONS LEFT
AND RIGHT

APPLICATIONS



NOTES:

1. 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.

2. DIRECTION ARROWS AHEAD SHALL NOT BE USED TO INDICATE THE ADDITION OF LANES AHEAD.

3. AS A GENERAL RULE BIFURACTION ARROWS SHOULD BE LOCATED TWO TO THREE MARKING MODULES BEFORE THE START OF THE LANE GENERATING TAPER OR CURVE.

DIMENSIONS (mm)

OPERATING SPEED km/h	TYPICAL APPLICATIONS	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 ARTERIAL ROADS/ RURAL EXPRESSWAYS	5000	3000	2000	4340	2282	536	1522	2470	161	1709
100 - 120	RURAL ROADS AND FREEWAYS	7500	4500	3000	6510	3423	804	2283	3705	242	2564

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

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 PURPOSES ONLY

No.	DATE	REVISION	CONSULT. ENG.
V1	SEP 2023	ORIGINAL VERSION	

CONSTRUCTION RECORD (AS BUILT)
WORKS CONTRACT ENGINEER
Name:
Prof. Reg. No.:
Date:
SANRAL PROJECT MANAGER
Name:
Prof. Reg. No.:
Date:

DESIGNED BY — NAME — Prof. Reg. No.
CHECKED BY — NAME — Prof. Reg. No.
DRAWN BY — NAME

CONSULTANT APPROVAL
Name :
Prof. Reg. No. :
Date :

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184

P.O. Box 415
Pretoria 0001
South Africa
Tel: +27 (0) 12 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg No. 1998/000085/06
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

SOUTHERN REGION
20 Shoreward Drive
Baywest
Port Elizabeth
6025

P.O.Box 24210
Baywest
Port Elizabeth
6034
Tel: (041) 398 3200

ACCEPTANCE
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

for CEO: SA NATIONAL ROADS AGENCY LTD.
Date:

PROJECT DESCRIPTION
THE SPECIAL MAINTENANCE ON NATIONAL ROUTE 62 SECTION 6 BETWEEN LOUTERWATER (KM 58.60) AND JOUBERTINA (KM 79.00)

DRAWING NAME
ROAD MARKINGS: BIFURCATION ARROWS

SCALE : N.T.S. SHEET 1 OF 1

PROJECT NUMBER	SANRAL R.062-060-2021/2F	
DRAWING LOCATION DATA	START	END
ROUTE	R62	R62
SECTION	6	6
DRAWING km DISTANCE	58.60	79.00
DRAWING TYPE	ROAD MARKINGS	
BRIDGE/STRUCTURE No.	-	
CONSULTANT DRAWING No.	ER 2203/135	VER.
SANRAL DOC No.	-	V1