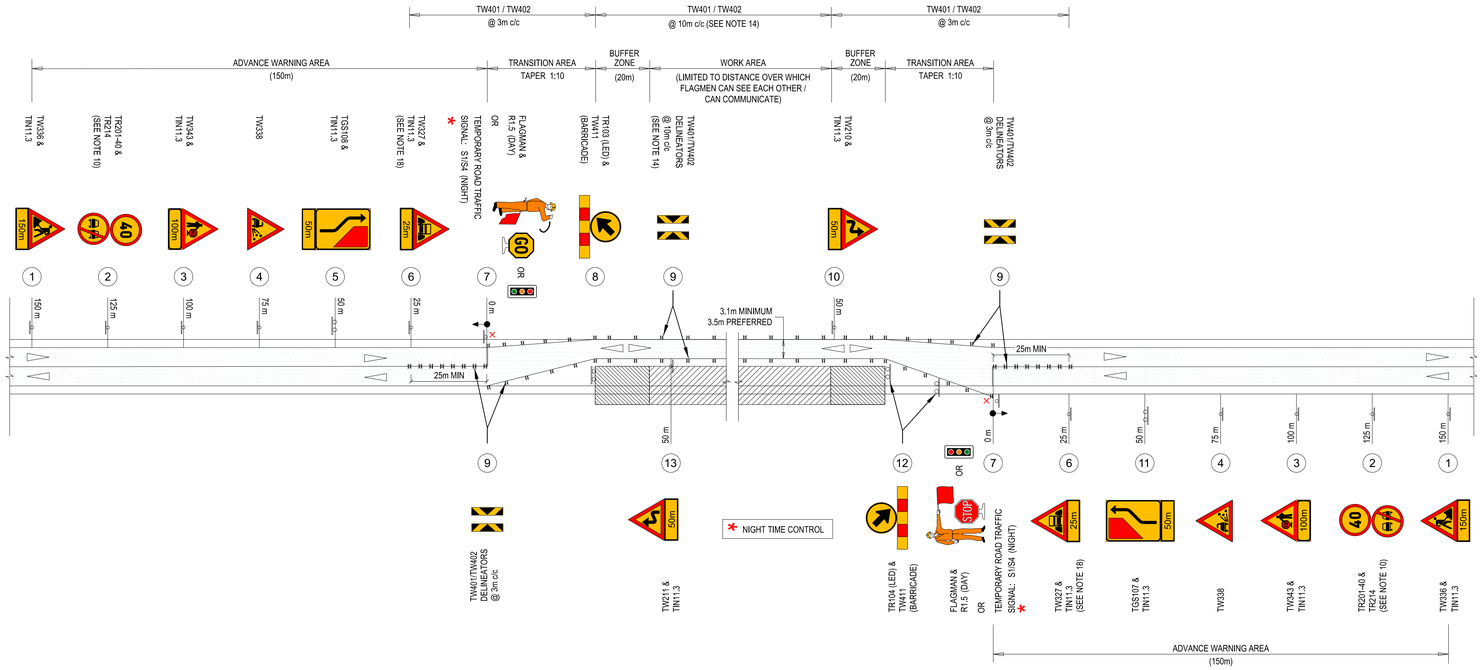



**HALF-WIDTH CONSTRUCTION WITH**
**ONE WAY TRAFFIC: STOP/GO CONTROL - INTERMEDIATE WORKS (24 HOURS)**

NOT TO SCALE

**NOTES:**

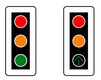
1. TEMPORARY ROAD SIGN LAYOUTS SHOWN ON THIS DRAWING DEPICT THE TYPICAL IMPLEMENTATION OF ACCOMMODATION OF TRAFFIC.
2. ACTUAL ACCOMMODATION OF TRAFFIC PROPOSALS TO BE USED ON THE WORKS SHALL BE SUBMITTED TIMEOUSLY FOR THE ENGINEER'S APPROVAL. SUCH ROPOSALS SHALL TAKE DUE CONSIDERATION OF ACTUAL CONDITIONS ON THE ROAD. PARTICULAR ATTENTION MUST BE GIVEN TO ACCESSES AND INTERSECTIONS ON THE ROAD.
3. ALL ROAD SIGNS SHALL COMPLY WITH THE LATEST SADC ROAD TRAFFIC SIGNS MANUAL (RTSM), COLTO AND THE NATIONAL ROAD TRAFFIC ACT, WITH THE LATEST MODIFICATIONS PROMULGATED AS ROAD TRAFFIC REGULATIONS. ALL THE ROAD SIGNS USED FOR TRAFFIC ACCOMMODATION, SHALL BE NEW SIGNS.
4. TRAFFIC ACCOMMODATION PROPOSALS SHALL BE PREPARED TO THE LATEST GUIDELINES SET IN SARTSM VOL 2, CHAPTER 13 AND COMPLY WITH THE NATIONAL ROAD TRAFFIC REGULATIONS, 2000.
5. ROAD SIGN MATERIALS SHALL COMPLY WITH SANS 1519-1 AND SHALL BE CLASS III AS A MINIMUM. CONTRACTOR TO SUPPLY PROOF AND SAMPLE OF MATERIALS USED.
6. THE REVERSE SIDE OF TEMPORARY SIGNS SHALL BE MARKED WITH 150mm WIDE REFLECTIVE YELLOW STRIPES. AT LEAST 3 YELLOW STRIPES MUST BE APPLIED TO EACH SIGN.
7. MINIMUM SIZES OF ROAD SIGNS (UNLESS OTHERWISE INDICATED):
   - TRIANGULAR : 1500mm SIDE LENGTH
   - CIRCULAR : 1200mm DIAMETER
   - DIAGRAMMATIC (TGS) : 1200mm x 1600mm ON 80km/h OR LESS ROADS
     : 1800mm x 2400mm ON 100km/h AND 120 km/h ROADS
   - TIN11.X : 400mm HIGH, WIDTH TO FIT PRIMARY SIGN
   - TW407/408 : 1800mm x 600mm
   - TW411 : 2400mm x 400mm
8. DELINEATORS (TW401 / TW402) SHOULD BE SO POSITIONED THAT ENCROACHMENT ON THE ADJACENT RUNNING LANE IS AVOIDED AS FAR AS POSSIBLE. WHENEVER DELINEATOR SIGNS ARE POSITIONED NEXT TO AN EXCAVATION EXCEEDING 0.5m IN DEPTH A LONGITUDINAL BUFFER ZONE EQUALLING THE DEPTH OF EXCAVATION SHOULD BE PROVIDED BETWEEN THE EDGE AND THE TRAVELLED ROADWAY. A NARROWER BUFFER MAY BE CONSIDERED BY THE ENGINEER, SHOULD ADDITIONAL PRECAUTIONARY MEASURES SUCH AS CONCRETE BARRIERS, BE IMPLEMENTED.
9. ALL DELINEATORS (TW401 / TW402) SHALL BE MANUFACTURED FROM A FLEXIBLE MATERIAL AND MUST COMPLY WITH SANS 1555. THE MINIMUM NOMINAL SIZE OF DELINEATORS SHALL BE 200mm x 800mm BUT MAY BE INCREASED. THE SIGN FACE OF DELINEATORS SHALL BE CLASS III RETRO-REFLECTIVE FOR THE YELLOW MATERIAL. REBOUNDABLE DELINEATORS ARE ALSO ACCEPTABLE.
10. THE SPEED LIMIT IN THE WORK AREA SHALL BE SET AT A REALISTIC LEVEL. IN AREAS WHERE TRANSITION TAKES PLACE THE SPEED LIMIT MAY BE REDUCED LOCALLY AND THEN BE REVISED WHERE TRAFFIC FLOW CONDITIONS HAS STABILIZED AT MORE UNIFORM LEVELS.
11. WHEN EXISTING ROAD MARKINGS MUST BE REMOVED TEMPORARILY, IT MUST BE DONE BY MEANS OF SAND BLASTING OR WATER JETTING. OVERPAINTING SHALL NOT BE ALLOWED.
12. TEMPORARY ROAD MARKINGS SHALL COMPLY WITH SANS 731-2 AND MUST BE REFLECTORISED BY ADDING GLASS BEADS.
13. ROAD MARKINGS REMOVED DURING THE CONSTRUCTION, MUST BE REINSTATED AFTER COMPLETION OF THE WORKS AND SHALL COMPLY WITH THE PROJECT'S SPECIFICATIONS.
14. DELINEATOR SPACING TO BE REDUCED ACCORDING TO SITE CONDITIONS, ESPECIALLY AT THE ACTIVE WORK AREA.
15. NUMBER OF DELINEATORS MUST BE CALCULATED ONCE THE CONSTRUCTION LENGTHS HAVE BEEN DETERMINE. THE REQUIRED QUANTITY MUST BE DOUBLED TO ALLOW FOR REPLACEMENT OF DAMAGED DELINEATORS.
16. EXISTING ROAD MARKINGS WHICH ARE IN CONFLICT WITH THE ACCOMMODATION OF TRAFFIC LAYOUT MUST BE REMOVED AND REINSTATED ONCE THE ACCOMMODATION OF TRAFFIC HAS BEEN TERMINATED.
17. ALL TEMPORARY ROAD MARKINGS CAN BE APPLIED WITH WATER-BASED PAINT.
18. TEMPORARY WARNING SIGN TW327 ONLY APPLICABLE AT TEMPORARY OR PARTLY CONSTRUCTED STRUCTURES.
19. TR103 AND TR104 SIGNS MUST BE REPLACED BY LED SIGNS FOR NIGHT TIME CLOSURES.

INSTALLATION INVENTORY

| SIGN | SIGN FACE | CODE | SIZE(mm) | QUANTITY | MATERIAL |
|---|---|---|---|---|---|
| 1 |  | TW336 & TIN11.3 | 1500 1500 x 400 | 2 | CLASS III YELLOW |
| 2 |  | TR201-40 & TR214 | 1200Ø | 2 | CLASS III YELLOW |
| 3 |  | TW343 & TIN11.3 | 1500 1500 x 400 | 2 | CLASS III YELLOW |
| 4 |  | TW338 | 1500 | 2 | CLASS III YELLOW |
| 5 |  | TGS108 & TIN11.3 | 1200 x1600 1200 x 400 | 1 | CLASS III YELLOW |
| 6 |  | TW327 & TIN11.3 | 1500 1500 x 400 | 2 | CLASS III YELLOW |
| 7 |  | FLAGMAN & R1.5 OR TRAFFIC SIGNAL (S1/S4) | 600 x 600 FLUORESCENT RED-ORANGE FLAG 1200Ø | 2 | LEVEL 3 CLOTHING AND FLUORESCENT-COLOURED HELMET CLASS III YELLOW |

INSTALLATION INVENTORY

| SIGN | SIGN FACE | CODE | SIZE(mm) | QUANTITY | MATERIAL |
|---|---|---|---|---|---|
| 8 |  | TR103 (LED) & TW411 | 1200Ø 2400 x 400 | 1 | CLASS III YELLOW WITH LED LIGHTS (FOR NIGHT TIME) |
| 9 |  | TW401 / TW402 | 200 x 800 | AS PER SITE CONDITIONS | CLASS III YELLOW TO COMPLY WITH SANS 1555 |
| 10 |  | TW210 & TIN11.3 | 1500 1500 x 400 | 2 | CLASS III YELLOW |
| 11 |  | TGS107 & TIN11.3 | 1200 x1600 1200 x 400 | 1 | CLASS III YELLOW |
| 12 |  | TR104 (LED) & TW411 | 1200Ø 2400 x 400 | 2 | CLASS III YELLOW WITH LED LIGHTS (FOR NIGHT TIME) |
| 13 |  | TW211 & TIN11.3 | 1500 1500 x 400 | 2 | CLASS III YELLOW |



S1 OR S4

SIGNAL FACE

**NOTES**

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL.
4. DRAWINGS MUST BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND GENERAL NOTES DRAWINGS.
5. IF APPLICABLE, DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.

LOCALITY



LEGEND

| SYMBOL | DESCRIPTION |
|---|---|

| NO. | DESCRIPTION | BY | CHKD | APPD | DATE |
|---|---|---|---|---|---|
| E1 | FOR TENDER | CL | AL | HVDM | 18/07/2025 |

REVISIONS

This Document including all design and information thereon is Confidential Intellectual Property of Transnet Copyright and all other rights are reserved by Transnet. This Document may only be used for its intended purpose.

ZUTARI
IMPACT. ENGINEERED.

**CONTRACTOR / CONSULTANT**

| TITLE | NAME | SIGN | DATE |
|---|---|---|---|
| DRAWN | N. VILAKAZI | | 18 / 07 / '25 |
| CHECKED | C. LINDE | | 18 / 07 / '25 |
| DESIGNED | C. LINDE | | 18 / 07 / '25 |
| CHECKED | H. VAN DER MERWE | | 18 / 07 / '25 |

PR.ENG. / PR.TECH./PR. ARCH

| | | |
|---|---|---|
| NAME | H. VAN DER MERWE | DATE |
| SIGNATURE | | |
| REG. NUMBER | 2012700655 | |
| TITLE | PR. TECH ENG | |

**TRANSNET NATIONAL PORTS AUTHORITY**

| TITLE | NAME | SIGN | DATE |
|---|---|---|---|
| DRAWN | | | |
| CHECKED | | | |
| DESIGNED | | | |
| CHECKED | | | |

PR.ENG. / PR.TECH./PR. ARCH

| | | |
|---|---|---|
| NAME | | DATE |
| SIGNATURE | | |
| REG. NUMBER | | |
| SCALE | AS SHOWN | |

TRANSNET

Transnet National Ports Authority

TRANSNET SOC Ltd : REG No. 1990/000900/30
NEWARK ROAD
RICHARDS BAY
TEL: 035 788 0067
PO BOX 181, RICHARDS BAY 3900, SOUTH AFRICA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE (REPAIRS TO PORT ROADS)
HALF-WIDTH CLOSURE: ONE WAY TRAFFIC DETAILS

| PAPER SIZE | TRANSNET DRW. NO. | REV. |
|---|---|---|
| A0 | TBC | E1 |
| PROJECT DRG. NO. | | REV. |
| 1006614-DRG-10-NW-CC-D001 | | T1 |