

## TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION

**IMPORTANT:**  
THIS DRAWING SHALL BE USED IN COMBINATION WITH THE GENERAL NOTES MD 104.00-01 - MD 104.00-18 AND STANDARD DETAILS MD 104.01-01 - MD 104.01-81

**NOTES:**  
THIS TYPICAL ALSO APPLIES TO DIVIDED UNCONTROLLED HIGHWAYS, EXCEPT AS OTHERWISE STATED IN GENERAL NOTES.

SYMBOL SIGNS TO REFLECT ACTUAL NUMBER OF THROUGH LANES.

\* WHEN LANES WILL NOT BE DIVIDED IN SUBSEQUENT WORK PHASES, USE THE W 1-4(R/L) SIGNS IN LIEU OF SIGNS SHOWN WITH ASTERISK (\*).

THERE SHALL BE A MINIMUM OF SEVEN CHANNELIZING DEVICES IN THE SHOULDER TAPER.

REFER TO MD 104.01-27 FOR GUIDANCE ON PAVEMENT MARKINGS THROUGH LANE SHIFTS.

• THIS TYPICAL SHALL BE USED FOR ANY LANE SHIFT WHICH SATISFIES EITHER CONDITION 'A' OR 'B':

▶ **CONDITION 'A':**  
LANE SHIFT IS "ABRUPT" - SHIFT HAS A TAPER LENGTH LESS THAN THE VALUE SPECIFIED IN THE TAPER LENGTH CRITERIA TABLE REFER TO MD 104.01-80

▶ **CONDITION 'B':**  
PREVAILING SPEEDS CANNOT BE MAINTAINED THROUGH THE SHIFT.

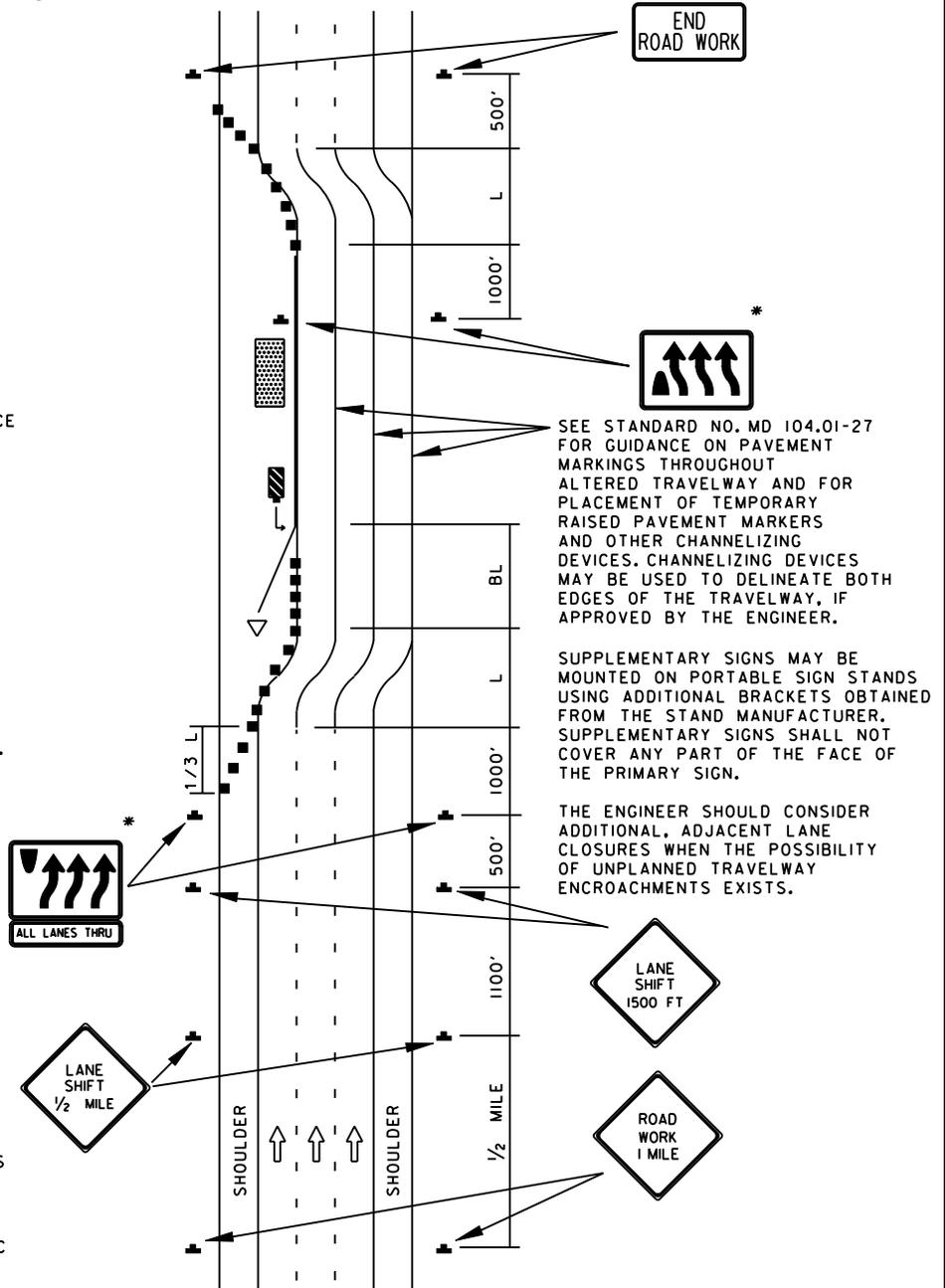
• FOR LANE SHIFTS WHICH DO NOT SATISFY ABOVE CONDITIONS:

▶ DELETE "REVERSE CURVE" WARNING SIGNS, AND

▶ REPLACE "LANE SHIFT" SIGNS WITH "ROAD WORK XXX" SIGNS OR OTHER APPROPRIATE SIGNS AS SHOWN IN TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS.

**KEY:**

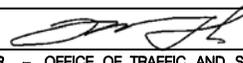
-  APPROVED BARRIER
-  CRASH CUSHIONS
-  CHANNELIZING DEVICES
-  SIGN SUPPORT  
FACE OF SIGN
-  DIRECTION OF TRAFFIC
-  WORK SITE
-  OBJECT MARKER



SEE STANDARD NO. MD 104.01-27 FOR GUIDANCE ON PAVEMENT MARKINGS THROUGHOUT ALTERED TRAVELWAY AND FOR PLACEMENT OF TEMPORARY RAISED PAVEMENT MARKERS AND OTHER CHANNELIZING DEVICES. CHANNELIZING DEVICES MAY BE USED TO DELINEATE BOTH EDGES OF THE TRAVELWAY, IF APPROVED BY THE ENGINEER.

SUPPLEMENTARY SIGNS MAY BE MOUNTED ON PORTABLE SIGN STANDS USING ADDITIONAL BRACKETS OBTAINED FROM THE STAND MANUFACTURER. SUPPLEMENTARY SIGNS SHALL NOT COVER ANY PART OF THE FACE OF THE PRIMARY SIGN.

THE ENGINEER SHOULD CONSIDER ADDITIONAL, ADJACENT LANE CLOSURES WHEN THE POSSIBILITY OF UNPLANNED TRAVELWAY ENCROACHMENTS EXISTS.

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| SPECIFICATION<br><b>104</b>   | CATEGORY CODE ITEMS  |
| APPROVED  | <br>DIRECTOR - OFFICE OF TRAFFIC AND SAFETY |
| <br>State Highway Administration | APPROVAL • SHA REVISIONS   |
|   | APPROVAL • FEDERAL HIGHWAY ADMINISTRATION  |
|   | APPROVAL <b>8-20-03</b>  |
|   | APPROVAL <b>9-23-03</b>  |
|   | REVISION <b>8-11-10</b>  |
| REVISION <b>10-5-10</b>   |  |
| REVISION  | REVISION   |
| REVISION  | REVISION   |

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**LANE SHIFT/EXP-FREEWAY**  
**GREATER THAN 40 MPH/OVER 12 HRS.**  
**OR NIGHTTIME USE**

**STANDARD NO. MD 104.05-05**