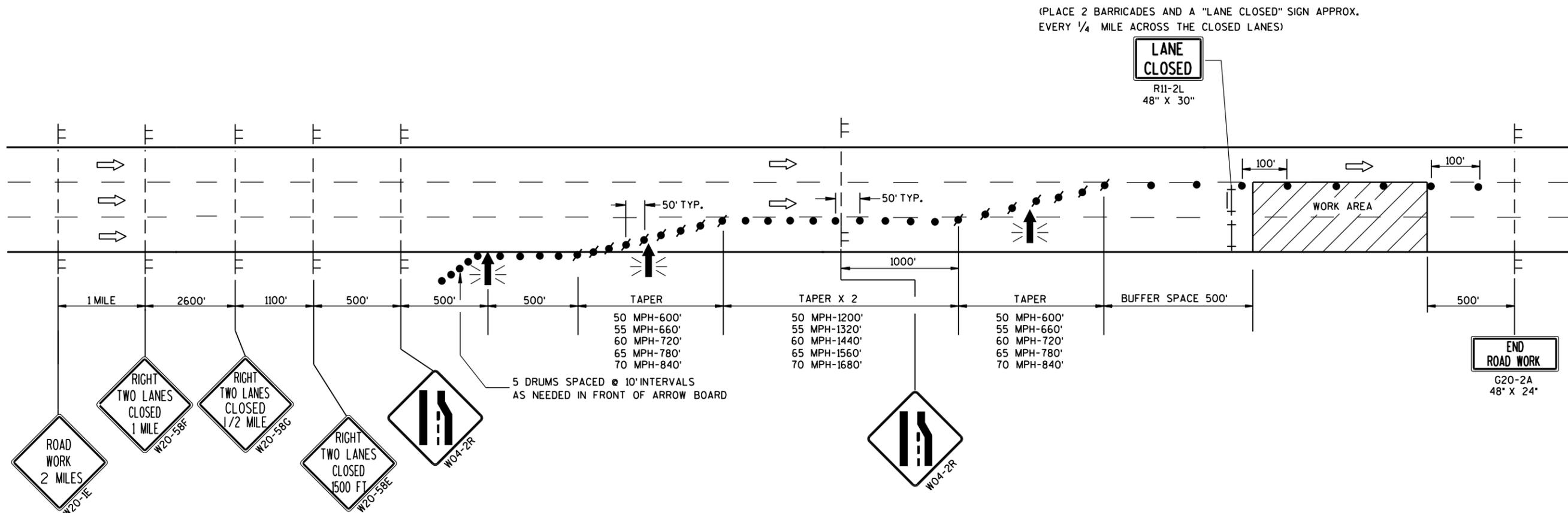




# 15D14: Traffic Control, Two Lane Closure on Freeway or Expressway, Short -Term (Less than 24 Hours)



### LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

### GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES. FOR CLOSING THE LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1E AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

**TRAFFIC CONTROL,  
TWO LANE CLOSURE ON  
FREEWAY OR EXPRESSWAY,  
SHORT TERM (LESS THAN 24 HOURS)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
July 14, 2015 /S/ Peter Amakobe Atepe  
DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER  
FHWA

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S.D.D. 15 D 14-3

Traffic Control, Two Lane Closure on Freeway or Expressway, Short -Term (Less than 24 Hours)

References:

Part VI of the Manual on Uniform Traffic Control Devices (MUTCD)
FDM 11-50-20

Bid items associated with this drawing:

Table with 3 columns: ITEM NUMBER, DESCRIPTION, UNIT. Rows include Traffic Control Drums, Barricades Type III, Warning Lights Type C, Arrow Boards, Signs, and Signs PCMS.

Standardized Special Provisions associated with this drawing:

Table with 2 columns: STSP NUMBER, TITLE. Row: NONE

Other SDDs associated with this drawing:

SDD 15d15 Traffic Control, Exit and Entrance Ramp with Lane Closure

Design Notes:

This drawing may be used when closing two lanes of a freeway or expressway for a duration of less than 24 hours. For two-lane closures on roadways that have signalized at-grade intersections or that have no grade-separated interchanges, SDD 15d22 will typically be more appropriate. Discuss the method of traffic control with the Regional Traffic Unit before using this detail. Before closing two lanes in the same direction, the vehicle capacity of the remaining open lane(s) should be compared to the hourly traffic volumes. To reduce congestion, the Special Provisions should restrict the times of the day when two lanes may be closed.

Additional warning signs may be desirable further in advance of the two-lane closure, especially if congestion is likely to occur (e.g. substitute "Right/Left Two Lanes Closed 2 Miles" signs for the W20-1 "Road Work 2 Miles" signs, and add W20-1 signs at 3 miles in advance). Traffic Control Signs PCMS (Item 643.1050) or Traffic Control Signs Fixed Message (Item 643.1000) may be used to provide information on delays or times of the day the lanes will be closed. Additional signs should be shown on a traffic control overview sheet or be required by Special Provision. If Fixed Message Signs are used, there need to be plan details showing the special sign layouts.

Closer drum spacing (e.g. 50 feet) along the buffer space and work area may be justified in urban areas, on congested roadways, or during work at night. If closer spacing is desired, it may be specified on separate traffic control sheets or in the Special Provisions.

Include enough Type III barricades and signs to place barricades with a "Lane Closed" sign in the closed lanes approx. every 1/4-mile, when computing traffic control quantities.

Contact Person:

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