

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
PLANS FOR PROPOSED  
STATE HIGHWAY

COOPER, BOONE, & CALLAWAY COUNTIES

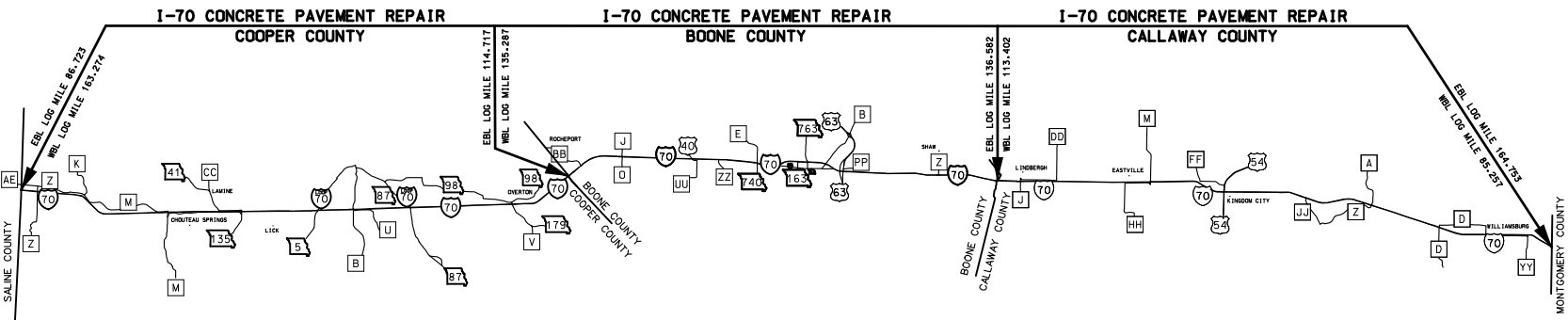


NOT TO SCALE

CONVENTIONAL SYMBOLS  
(USED IN PLANS)

|                              | EXISTING | NEW  |
|------------------------------|----------|------|
| BUILDINGS AND STRUCTURES     |          |      |
| GUARD RAIL                   |          |      |
| CONCRETE RIGHT-OF-WAY MARKER |          |      |
| STEEL RIGHT-OF-WAY MARKER    |          |      |
| LOCATION SURVEY MARKER       |          |      |
| UTILITIES                    |          |      |
| FIBER OPTICS                 | —FO—     | —FO— |
| OVERHEAD TELEPHONE           | —O—      | —O—  |
| UNDERGROUND TELEPHONE        | —T—      | —T—  |
| OVERHEAD POWER               | —□—      | —□—  |
| UNDERGROUND POWER            | —P—      | —P—  |
| GAS                          | —G—      | —G—  |
| WATER                        | —W—      | —W—  |
| MANHOLE                      |          |      |
| FIRE HYDRANT                 |          |      |
| WATER VALVE                  |          |      |
| WATER METER                  |          |      |
| DROP INLET                   |          |      |
| DITCH BLOCK                  |          |      |
| GROUND MOUNTED SIGN          |          |      |
| LIGHT POLE                   |          |      |
| H-FRAME POWER POLE           |          |      |
| TELEPHONE PEDESTAL           |          |      |
| FENCE                        |          |      |
| CHAIN LINK                   | —V—      | —V—  |
| WOVEN WIRE                   | —X—      | —X—  |
| GATE POST                    |          |      |
| BENCHMARK                    |          |      |

NOTE: DASHED OR OPEN SYMBOLS INDICATE  
EXISTING FEATURES

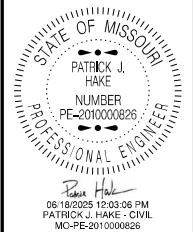


JOB ORDER CONTRACTING

I-70 CONCRETE PAVEMENT REPAIR IN  
COOPER, BOONE, AND CALLAWAY COUNTIES

INDEX OF SHEETS

| DESCRIPTION                       | SHEET<br>NUMBER |
|-----------------------------------|-----------------|
| TITLE SHEET .....                 | 1               |
| TRAFFIC CONTROL SHEETS (TC) ..... | 2-10            |



|                                   |                |
|-----------------------------------|----------------|
| DATE PREPARED<br>6/18/2025        |                |
| ROUTE<br>1 - 70                   | STATE<br>MO    |
| DISTRICT<br>CD                    | SHEET NO.<br>1 |
| COUNTY<br>COOPER, BOONE, CALLAWAY |                |
| JOB NO.<br>JCD0011                |                |
| CONTRACT ID.                      |                |

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|-------------|
| PROJECT NO. |
| BRIDGE NO.  |

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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

Sign Spacing, Device Spacing  
and Channelizing Taper Lengths

| SIGN SPACING (S) FOR ADVANCE SIGN SERIES (1) (2) |                    |                               |
|--------------------------------------------------|--------------------|-------------------------------|
| SPEED MPH                                        | UNDIVIDED HIGHWAYS | DIVIDED HIGHWAYS              |
| 0-35                                             | 200                | 200                           |
| 40-45                                            | 350                | 500                           |
| 50-55                                            | 500                | 1000                          |
| 60-70                                            | 1000               | SA-1000<br>SB-1500<br>SC-2640 |

| TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES |                                               |       |       |                             |                   |
|---------------------------------------------------|-----------------------------------------------|-------|-------|-----------------------------|-------------------|
| SPEED MPH                                         | MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W) |       |       | MAXIMUM CHANNELIZER SPACING |                   |
|                                                   | 10 FT                                         | 11 FT | 12 FT | THROUGH TAPER               | THROUGH WORK AREA |
| 0-35                                              | 205                                           | 225   | 245   | 35                          | 40                |
| 40-45                                             | 450                                           | 495   | 540   | 40                          | 80                |
| 50-55                                             | 550                                           | 605   | 660   | 50                          | 80                |
| 60-70                                             | 700                                           | 770   | 840   | 60                          | 120               |

NOTES:

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION

(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS

| LONGITUDINAL BUFFER SPACE (B) |              |
|-------------------------------|--------------|
| SPEED MPH                     | BUFFER SPACE |
| 0-35                          | 250          |
| 40-45                         | 360          |
| 50-55                         | 495          |
| 60-70                         | 730          |

TAPER LENGTH (L):

L = WS FOR 40 MPH OR MORE

L =  $\frac{WS^2}{60}$  FOR 35 MPH OR LESS

FOR SHOULDER TAPER USE L/3

WHERE:

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED IN MPH

TRAFFIC CONTROL DEVICES

GENERAL NOTES:

- SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN
- EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
- CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

• SIGN (DOUBLE SIDED)

◁ FLAGGER

▲ DIRECTION INDICATOR BARRICADE

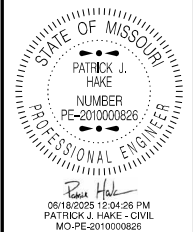
■ CHANNELIZER

E BARRICADE

CHANGEABLE MESSAGE BOARD

FLASHING ARROW PANEL

TMA (TRUCK MOUNTED ATTENUATOR) WITH FLASHING ARROW PANEL



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|-----------------------------------|----------------|
| DATE PREPARED<br>6/18/2025        |                |
| ROUTE<br>1 - 70                   | STATE<br>MO    |
| DISTRICT<br>CD                    | SHEET NO.<br>2 |
| COUNTY<br>COOPER, BOONE, CALLAWAY |                |
| JOB NO.<br>JCD0011                |                |
| CONTRACT ID.                      |                |

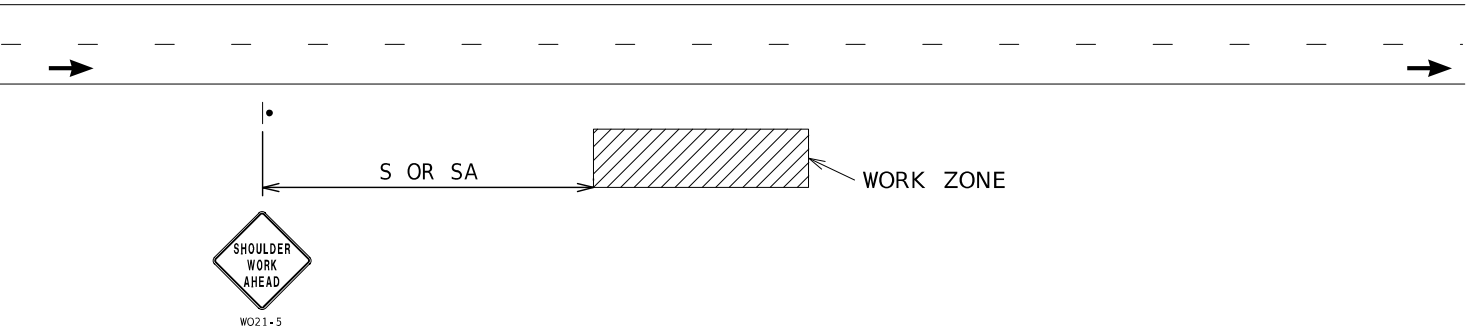
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| PROJECT NO. |
| BRIDGE NO.  |

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



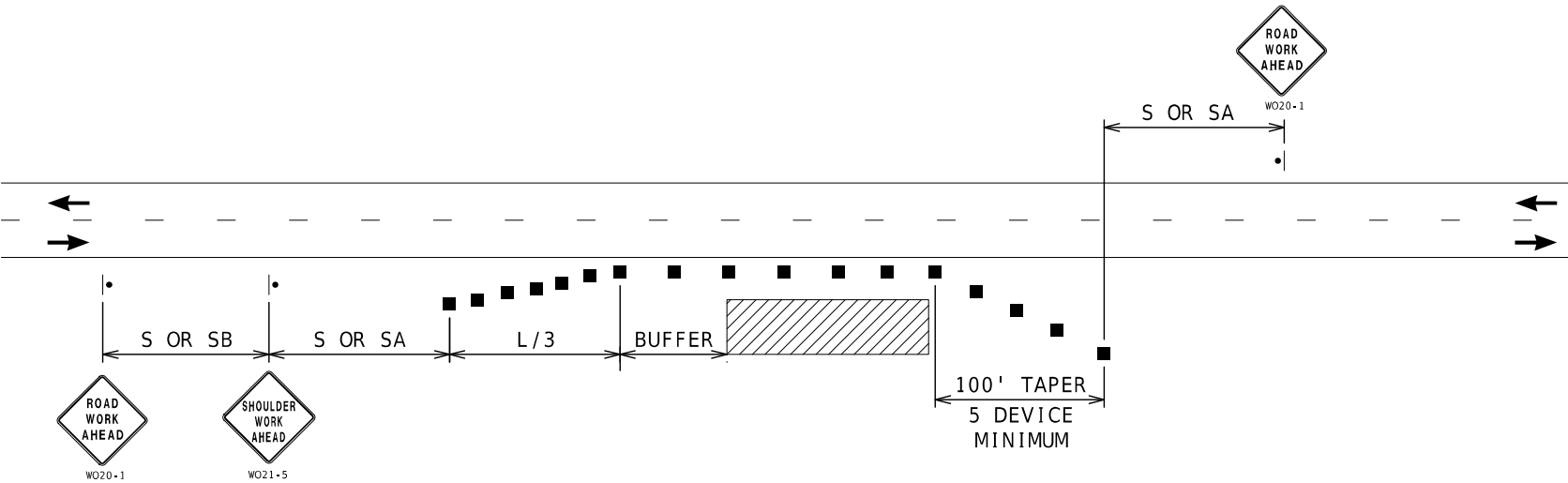
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



WORK BEYOND SHOULDER - UNDIVIDED OR DIVIDED ROADWAYS

USED FOR WORK THAT OCCURS OFF THE ROADWAY SHOULDER BUT WITHIN THE CLEAR ZONE.  
NOT TO BE USED WHEN WORK VEHICLES ARE PARKED ALONG THE SHOULDER EVEN WHEN  
THE WORK IS BEING PERFORMED OFF THE SHOULDER.

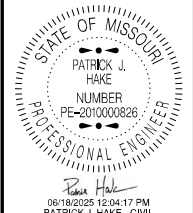
NOTES :  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



SHOULDER WORK - UNDIVIDED ROADWAYS

USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER  
WITH WORK VEHICLES PARKED ON THE SHOULDER.

NOTES :  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



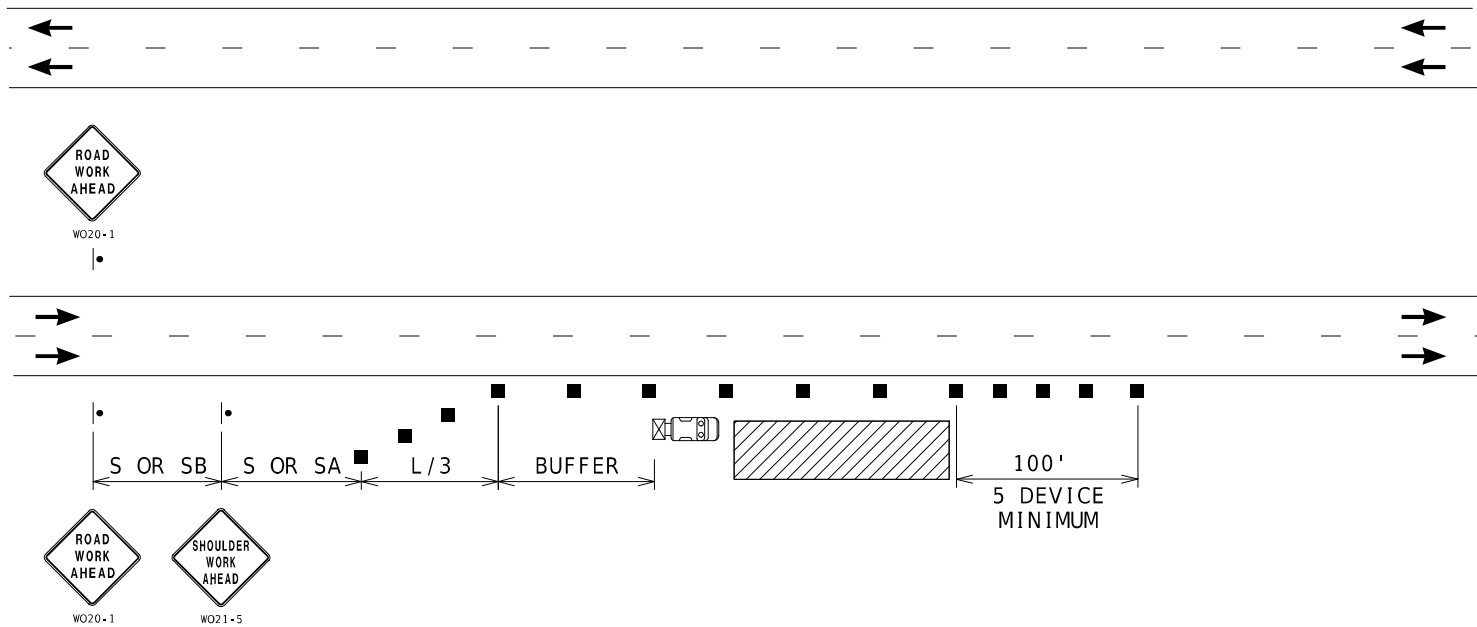
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| DATE PREPARED<br>6/18/2025        |                |
| ROUTE<br>1 - 70                   | STATE<br>MO    |
| DISTRICT<br>CD                    | SHEET NO.<br>3 |
| COUNTY<br>COOPER, BOONE, CALLAWAY |                |
| JOB NO.<br>JCD0011                |                |
| CONTRACT ID.                      |                |
| PROJECT NO.                       |                |
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

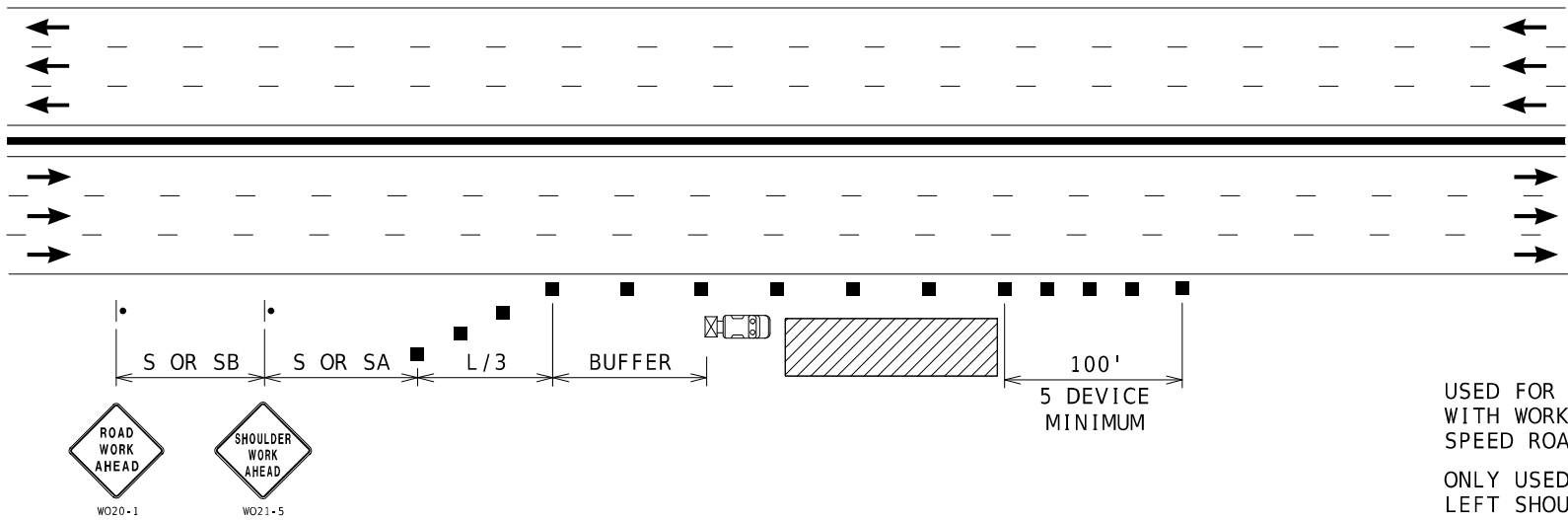


RIGHT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER  
WITH WORK VEHICLES PARKED ON THE SHOULDER OF A HIGH SPEED ROADWAY.



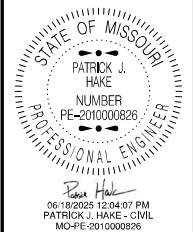
USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER  
WITH WORK VEHICLES PARKED ON THE SHOULDER OF A HIGH  
SPEED ROADWAY.

ONLY USED FOR SIX OR MORE LANE FREEWAYS WITH NARROW  
LEFT SHOULDER ADJACENT TO CONCRETE MEDIAN BARRIER

RIGHT SHOULDER WORK  
MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

NOTES:

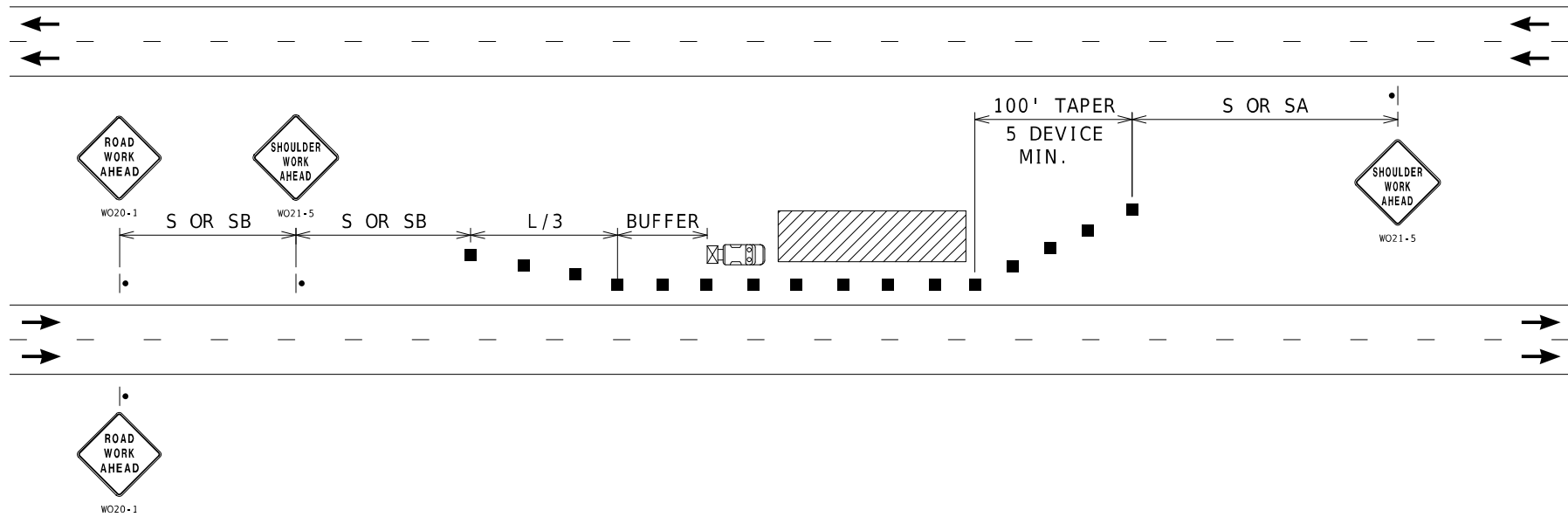
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| DATE PREPARED<br>6/18/2025        |                |
| ROUTE<br>1 - 70                   | STATE<br>MO    |
| DISTRICT<br>CD                    | SHEET NO.<br>4 |
| COUNTY<br>COOPER, BOONE, CALLAWAY |                |
| JOB NO.<br>JCD0011                |                |
| CONTRACT ID.                      |                |
| PROJECT NO.                       |                |
| BRIDGE NO.                        |                |

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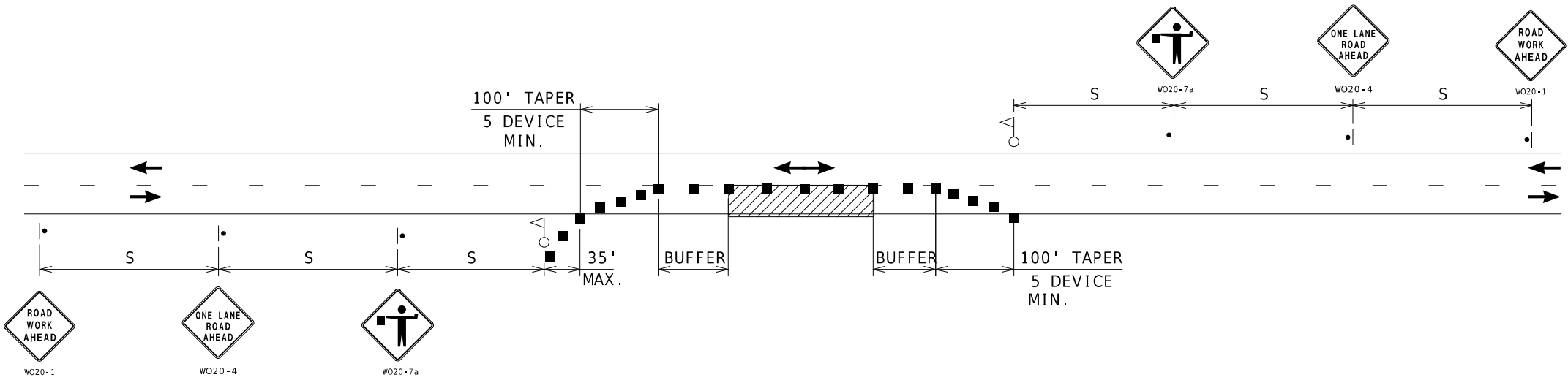




LEFT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER  
WITH WORK VEHICLES PARKED ON THE SHOULDER OF A HIGH SPEED ROADWAY.

NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



ONE-LANE TWO-WAY OPERATION WITH FLAGGERS

A MINIMUM OF TWO FLAGGERS WILL BE REQUIRED TO DIRECT TRAFFIC.  
ADDITIONAL FLAGGERS MAY BE REQUIRED WHEN WORKING AT INTERSECTING  
STREETS OR RAMP AS DIRECTED BY THE ENGINEER. NO DIRECT PAYMENT  
WILL BE MADE FOR FLAGGERS

NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

STATE OF MISSOURI

PATRICK J. HAKE

NUMBER  
PE-2010000826

PROFESSIONAL ENGINEER

06/18/2025 12:03:59 PM

PATRICK J. HAKE - CIVIL

MO-PE-2010000826

DATE PREPARED  
6/18/2025

ROUTE  
1 - 70

DISTRICT  
CD

STATE  
MO

SHEET NO.  
5

COUNTY  
COOPER, BOONE, CALLAWAY

JOB NO.  
JCD0011

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

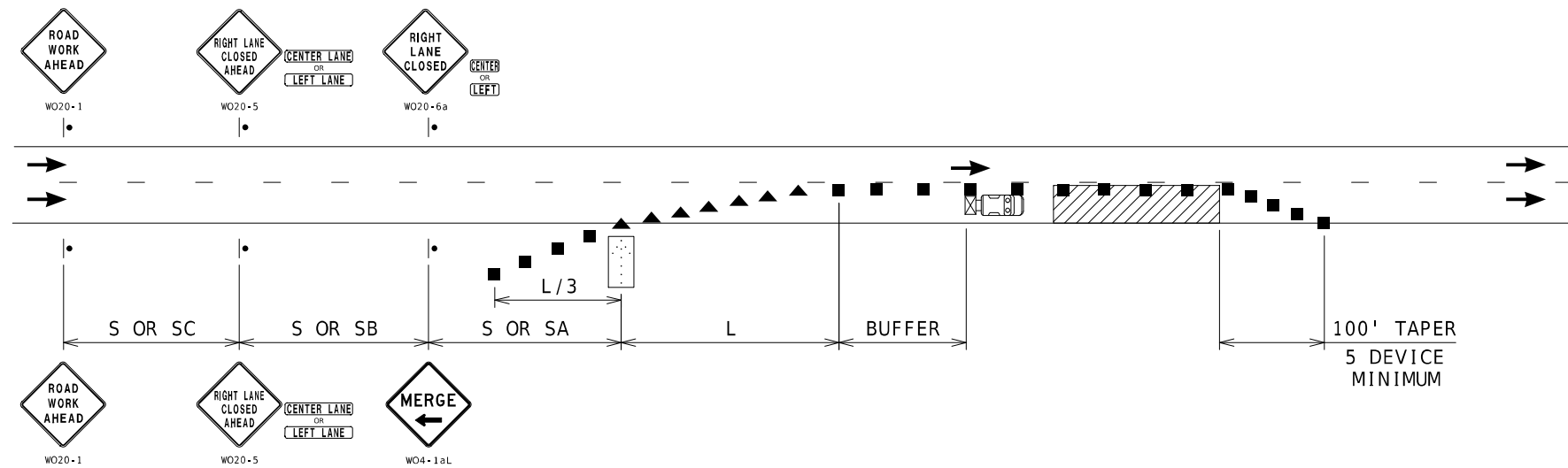
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

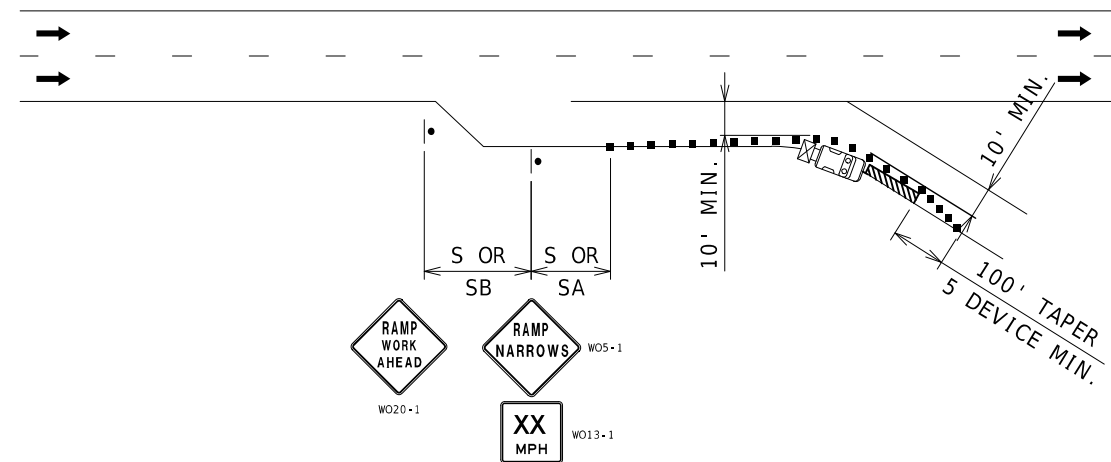
TRAFFIC CONTROL  
SHEET 4 OF 9



NOTES :

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

## SINGLE LANE CLOSURE



NOTES :

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

## PARTIAL RAMP CLOSURE



06/18/2025 12:03:49 PM  
PATRICK J. HAKE - CIVIL  
MC-PE-2010000826

DATE PREPARED  
6/18/2025

|       |       |
|-------|-------|
| ROUTE | STATE |
| I 70  | MO    |

|          |           |
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| 1 - 70   | MO        |
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| CD     | 6 |
| COUNTY |   |

COOPER, BOONE, CALLAWAY

JCD0011

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| CONTRACT ID. |
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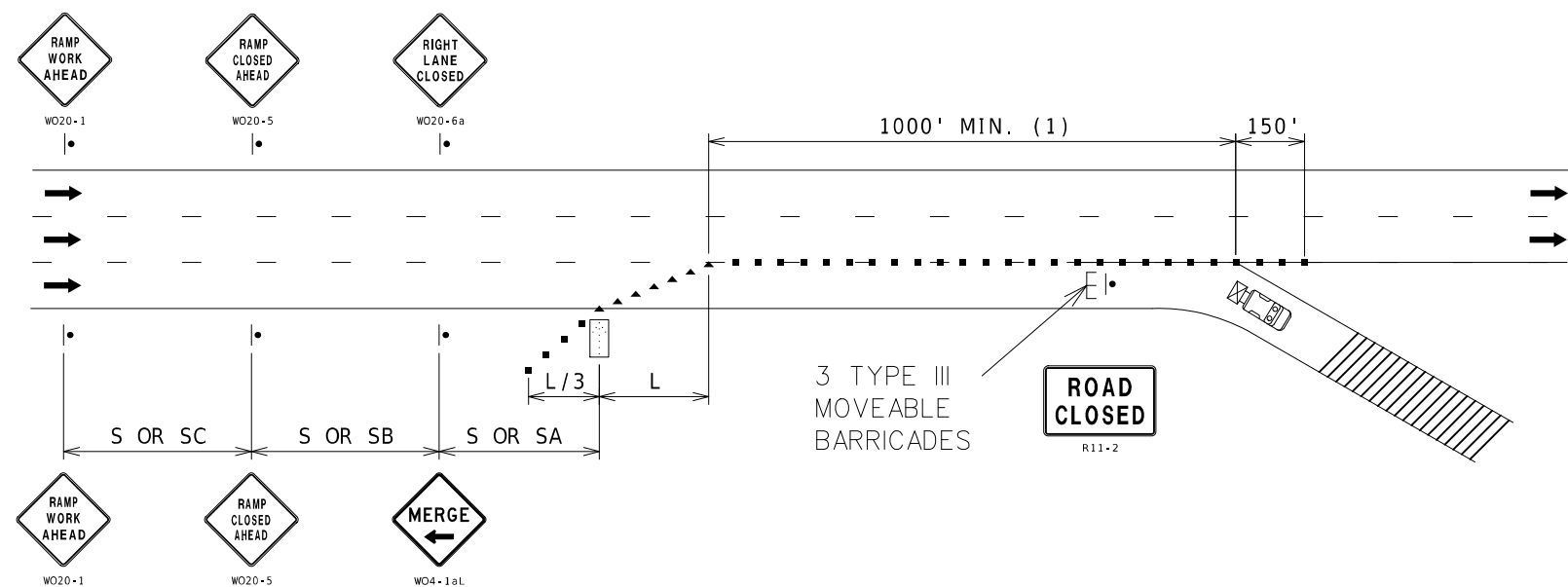
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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

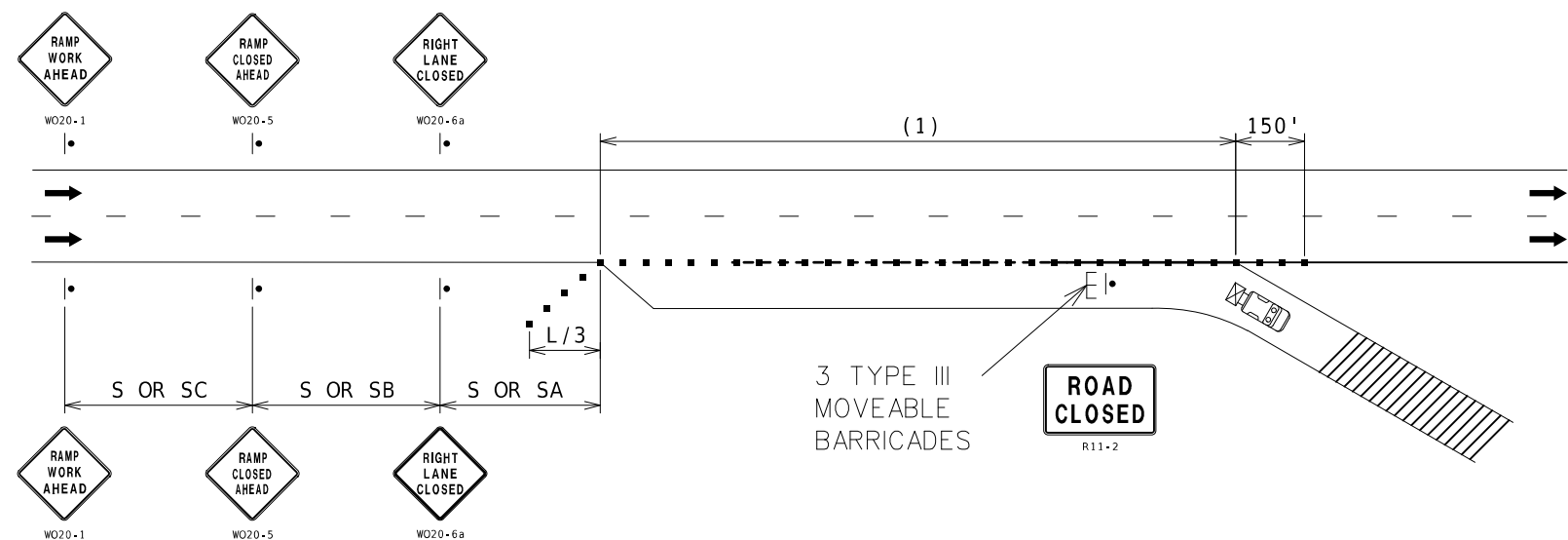
TRAFFIC CONTROL  
SHEET 5 OF 9





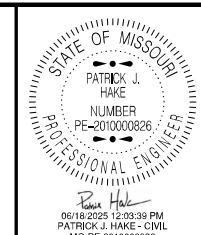
NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.  
(1) CHANNELIZER SPACING AT 50'.

## RAMP CLOSURE



NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.  
(1) CHANNELIZER SPACING AT 50'.

## RAMP CLOSURE



DATE PREPARED  
6/18/2025

ROUTE  
I - 70

STATE  
MO

DISTRICT  
CD

SHEET NO.  
7

COUNTY  
COOPER, BOONE, CALLAWAY

JOB NO.  
JCD0011

CONTRACT ID.

PROJECT NO.

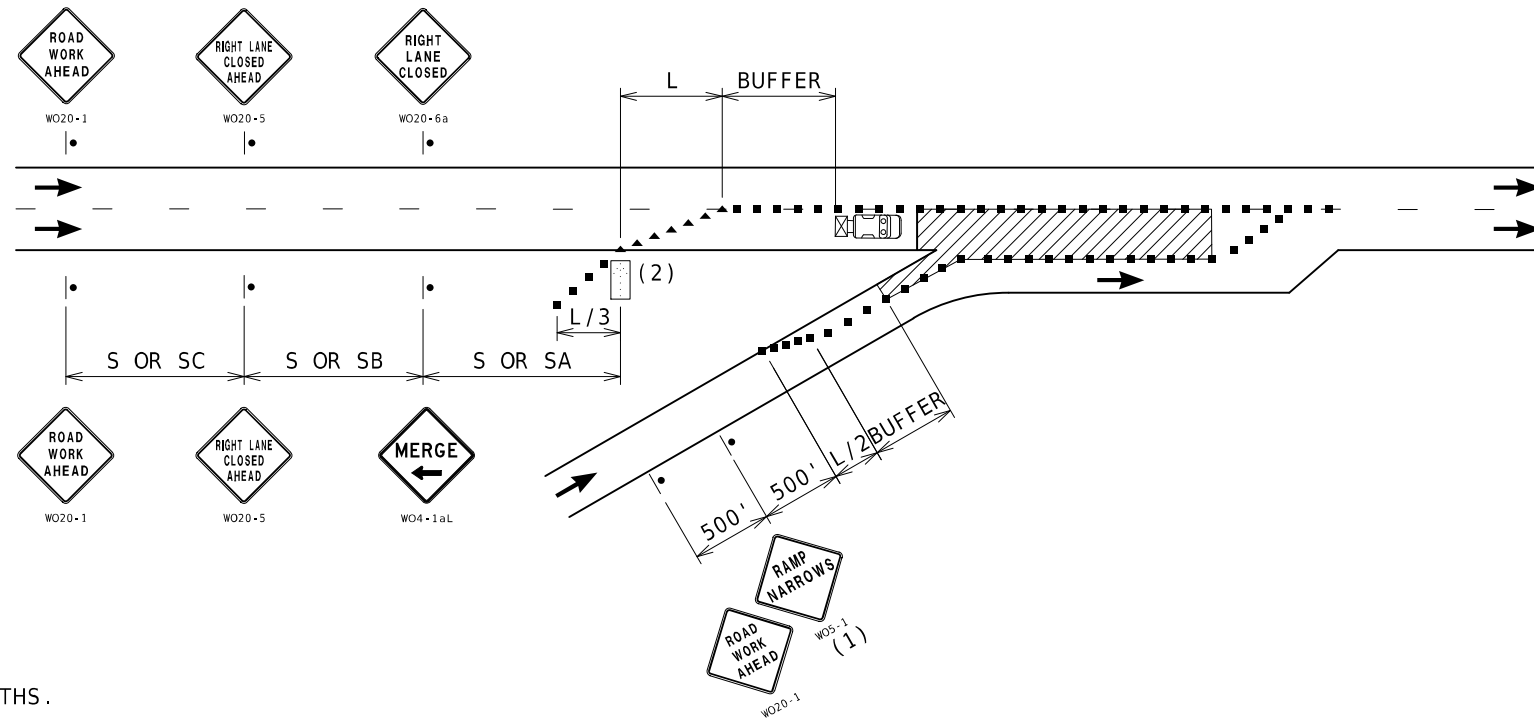
BRIDGE NO.

DESCRIPTION

DATE







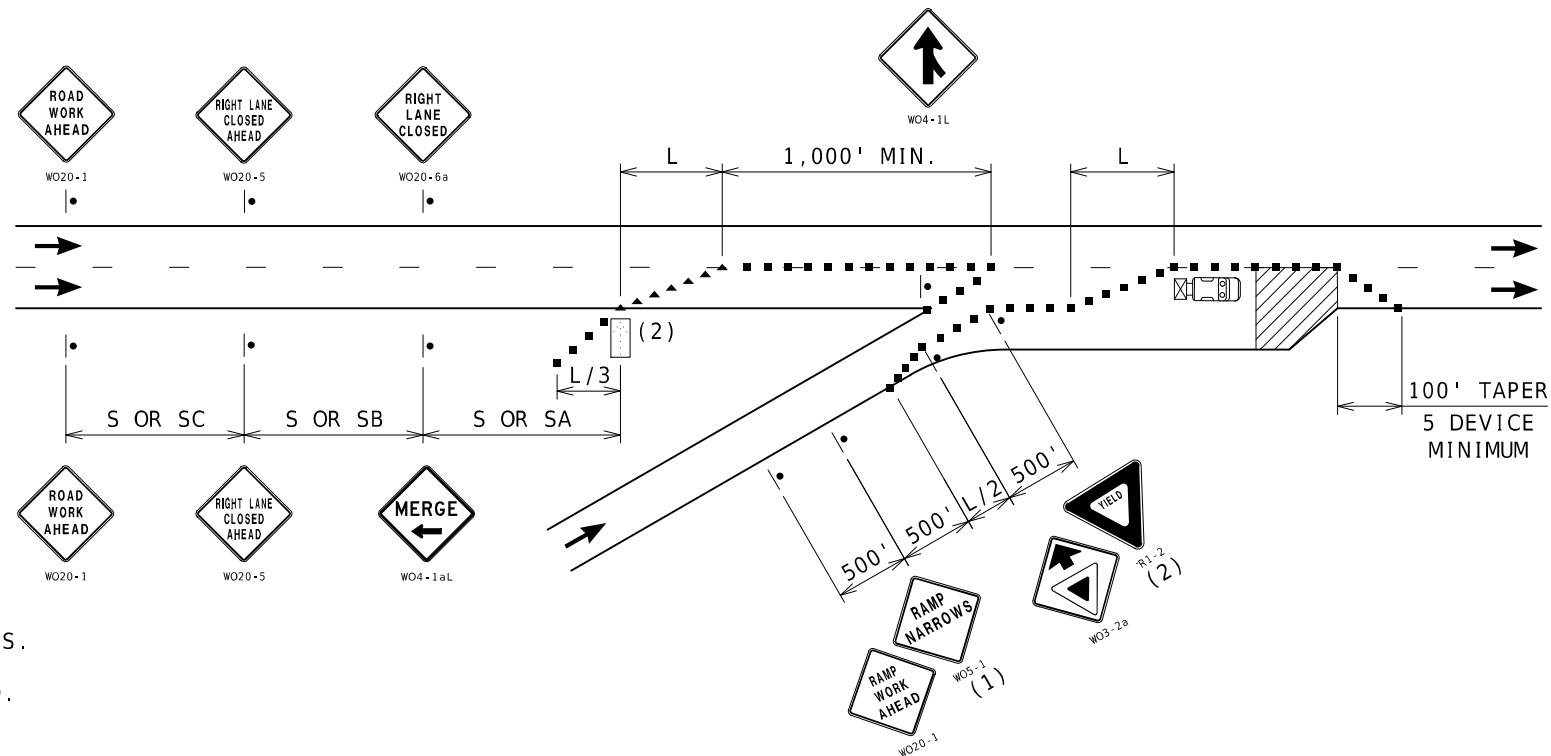
NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.

(2) THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUCSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.

ENTRANCE RAMP AREA  
MAINLINE WORK



NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.

(2) SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.

(3) THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUCSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.

ENTRANCE RAMP AREA  
ACCELERATION LANE WORK

STATE OF MISSOURI  
PATRICK J. HAKE  
NUMBER  
PE-2010000826  
PROFESSIONAL ENGINEER

06/18/2025 12:03:24 PM  
PATRICK J. HAKE - CIVIL  
MO-PE-2010000826

DATE PREPARED  
6/18/2025

|                                   |                |
|-----------------------------------|----------------|
| ROUTE<br>1 - 70                   | STATE<br>MO    |
| DISTRICT<br>CD                    | SHEET NO.<br>9 |
| COUNTY<br>COOPER, BOONE, CALLAWAY |                |
| JOB NO.<br>JCD0011                |                |
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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

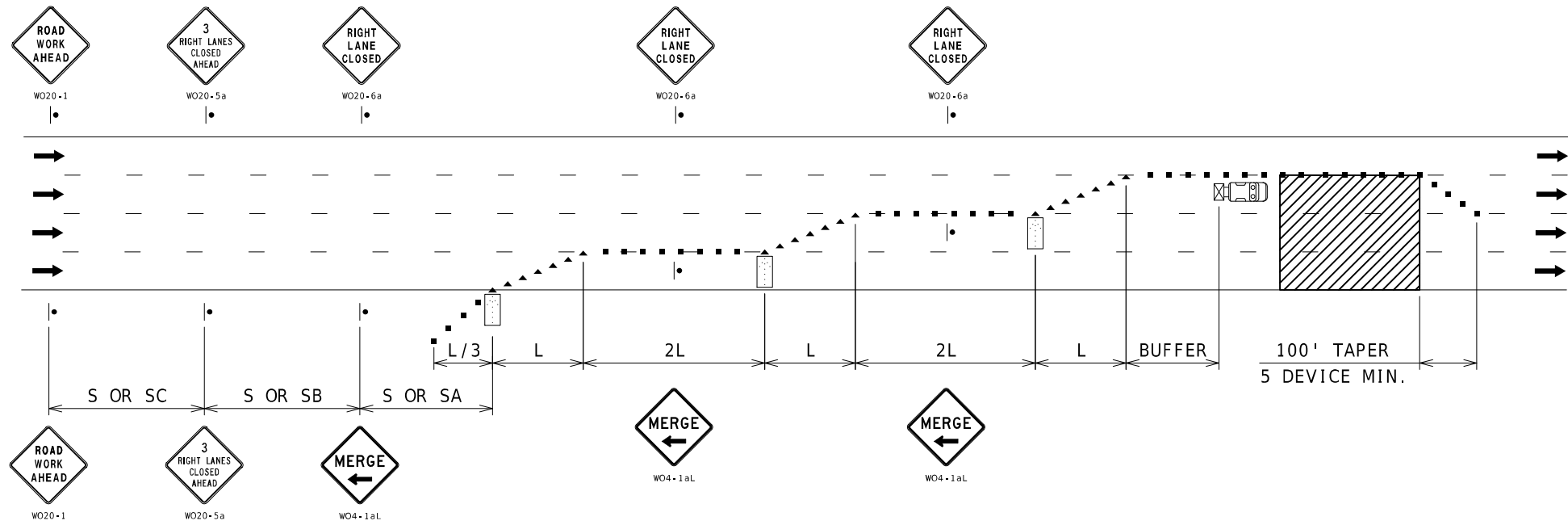
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JEFFERSON CITY, MO 65102  
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TRAFFIC CONTROL  
SHEET 8 OF 9





NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

TRIPLE LANE CLOSURE

STATE OF MISSOURI

PATRICK J. HAKE

NUMBER

PE-2010000826

PROFESSIONAL ENGINEER

06/18/2025 12:03:14 PM

PATRICK J. HAKE - CIVIL

MO-PE-2010000826

DATE PREPARED

6/18/2025

ROUTE

I - 70

STATE

MO

DISTRICT

CD

SHEET NO.

11

COUNTY

COOPER, BOONE, CALLAWAY

JOB NO.

JCD0011

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

| DATE | DESCRIPTION |
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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TRAFFIC CONTROL SHEET 10 OF 10