

DESIGN DESIGNATION  
 A.A.D.T - XXXX = XXXX  
 V = XX M.P.H

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED STATE HIGHWAY

| DESCRIPTION                       | SHEET NUMBER |
|-----------------------------------|--------------|
| TITLE SHEET -----                 | 1            |
| TYPICAL SECTIONS (TS) (1 SHEET)-- | 2            |
| QUANTITIES (QU) (1 SHEET)-----    | 3            |
| SPECIAL SHEET (SS)-----           | 4            |
| TRAFFIC CONTROL SHEETS (TC)-----  | 5-9          |

|                           |                |
|---------------------------|----------------|
| DATE PREPARED<br>5/4/2022 |                |
| ROUTE                     | STATE<br>MO    |
| DISTRICT                  | SHEET NO.<br>1 |
| COUNTY                    |                |
| JOB NO.                   |                |
| CONTRACT ID.              |                |
| PROJECT NO.               |                |
| BRIDGE NO.                |                |

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

### LENGTH OF PROJECT

|                           |       |
|---------------------------|-------|
| BEGINNING OF PROJECT      |       |
| END OF PROJECT            |       |
| APPARENT LENGTH           | MILES |
| EQUATIONS AND EXCEPTIONS: |       |
|                           |       |
| TOTAL CORRECTIONS         |       |
| NET LENGTH OF PROJECT     |       |
| STATE LENGTH              |       |

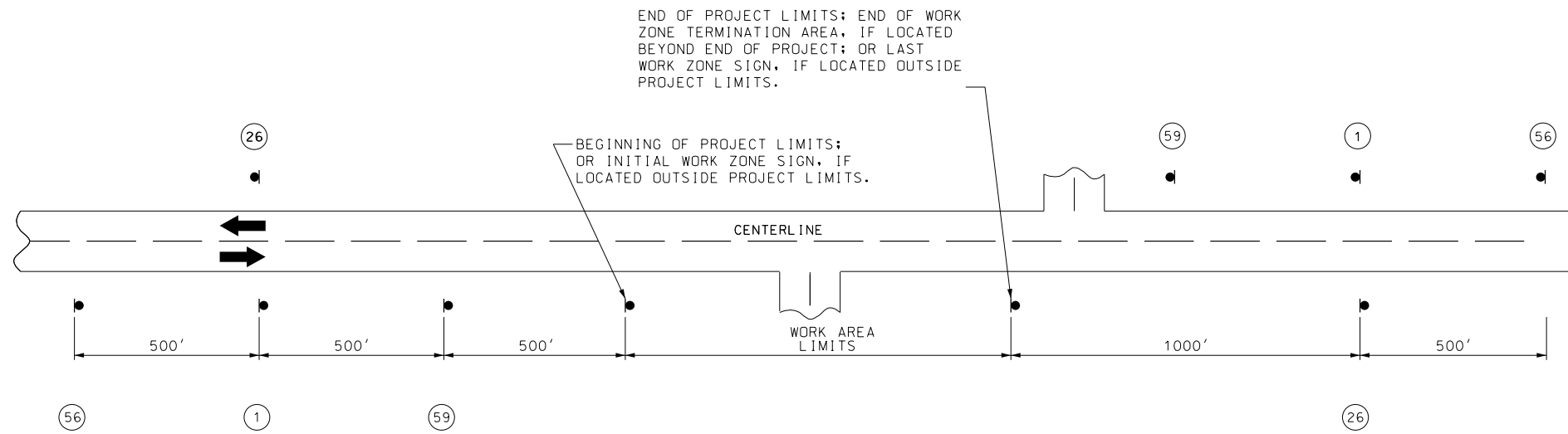
| DATE | DESCRIPTION |
|------|-------------|
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.







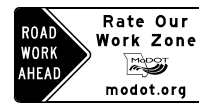


NOTES:

SIGN ① AND ②⑥ ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



CONST-7-48  
⑤⑥




G020-2  
②⑥



G020-1  
①



CONST-8  
⑤⑨

|   |                |
|---|----------------|
| DATE PREPARED<br>5/4/2022   |                |
| ROUTE   | STATE<br>MO    |
| DISTRICT  | SHEET NO.<br>5 |
| COUNTY  |                |
| JOB NO.   |                |
| CONTRACT ID.  |                |
| PROJECT NO.   |                |
| BRIDGE NO.  |                |
| DESCRIPTION   |                |
| DATE  |                |
| MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION   |                |
| <br>105 WEST CAPITOL<br>JEFFERSON CITY, MO 65102<br>1-888-ASK-MODOT (1-888-275-6636) |                |



W020-1  
2

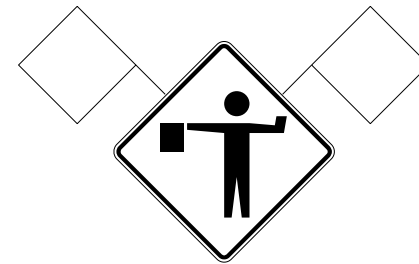


G020-4  
53

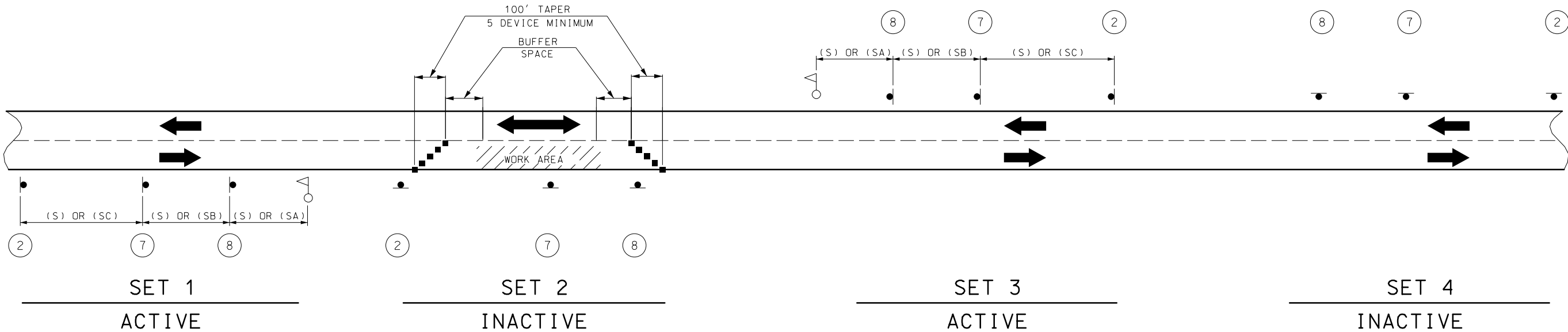
SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.



W020-4  
7



W020-7a  
8



SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

■ - CHANNELIZERS

△ - FLAGGER

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

| SPEED                  | SIGN SPACING (FT.)<br>(1) |                                     |
|------------------------|---------------------------|-------------------------------------|
|                        | NON-DIVIDED HIGHWAYS (S)  | DIVIDED HIGHWAYS (S)                |
| PERMANENT POSTED (MPH) |                           |                                     |
| 0-35                   | 200                       | 200                                 |
| 40-45                  | 350                       | 500                                 |
| 50-55                  | 500                       | 1000                                |
| 60-70                  | 1000                      | (SA)-1000<br>(SB)-1500<br>(SC)-2640 |

| PERMANENT POSTED SPEED LIMIT (MPH) | BUFFER SPACE LENGTH (FT) |
|------------------------------------|--------------------------|
| 0 - 35                             | 280                      |
| 40 - 45                            | 400                      |
| 50 - 55                            | 560                      |
| 60 - 70                            | 840                      |

NOTES:

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

DATE PREPARED

5/4/2022

ROUTE STATE

MO

DISTRICT SHEET NO.

6

COUNTY

JOB NO.

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 2 OF 5



W020-1  
2

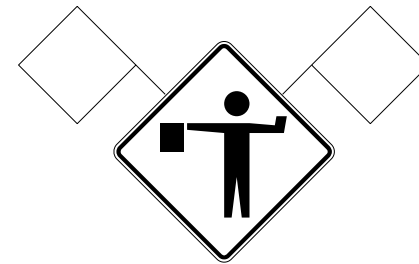


G020-4  
53

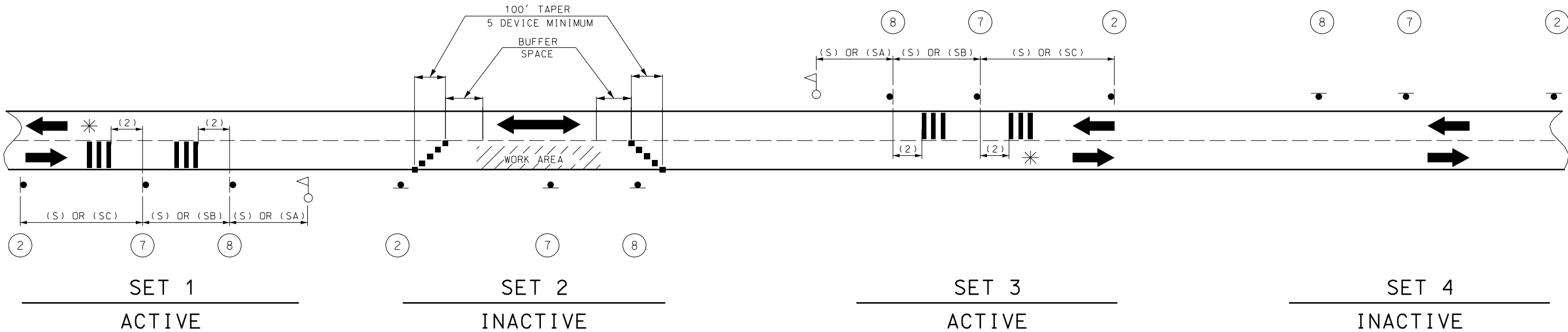
SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.



W020-4  
7



W020-7a  
8



SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

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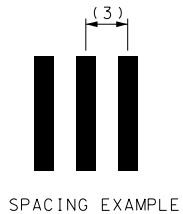
- - CHANNELIZERS
- ◁ - FLAGGER
- ▬▬▬ - TEMPORARY SHORT TERM RUMBLE STRIPS

NOTES:  
DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

| SHORT-TERM RUMBLE STRIPS |              |             |
|--------------------------|--------------|-------------|
| PERMANENT POSTED (MPH)   | DISTANCE (2) | SPACING (3) |
| 0-45 (OPTIONAL)          | 120 FT       | 10 FT       |
| 50-55 (OPTIONAL)         | 160 FT       | 20 FT       |
| 60-70                    | 200 FT       | 35 FT       |

\*SECOND SET OF TEMPORARY RUMBLES OPTIONAL



| SPEED | SIGN SPACING (FT.) (1)   |                                     |
|-------|--------------------------|-------------------------------------|
|       | NON-DIVIDED HIGHWAYS (S) | DIVIDED HIGHWAYS (S)                |
| 0-35  | 200                      | 200                                 |
| 40-45 | 350                      | 500                                 |
| 50-55 | 500                      | 1000                                |
| 60-70 | 1000                     | (SA)-1000<br>(SB)-1500<br>(SC)-2640 |

NOTES:

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

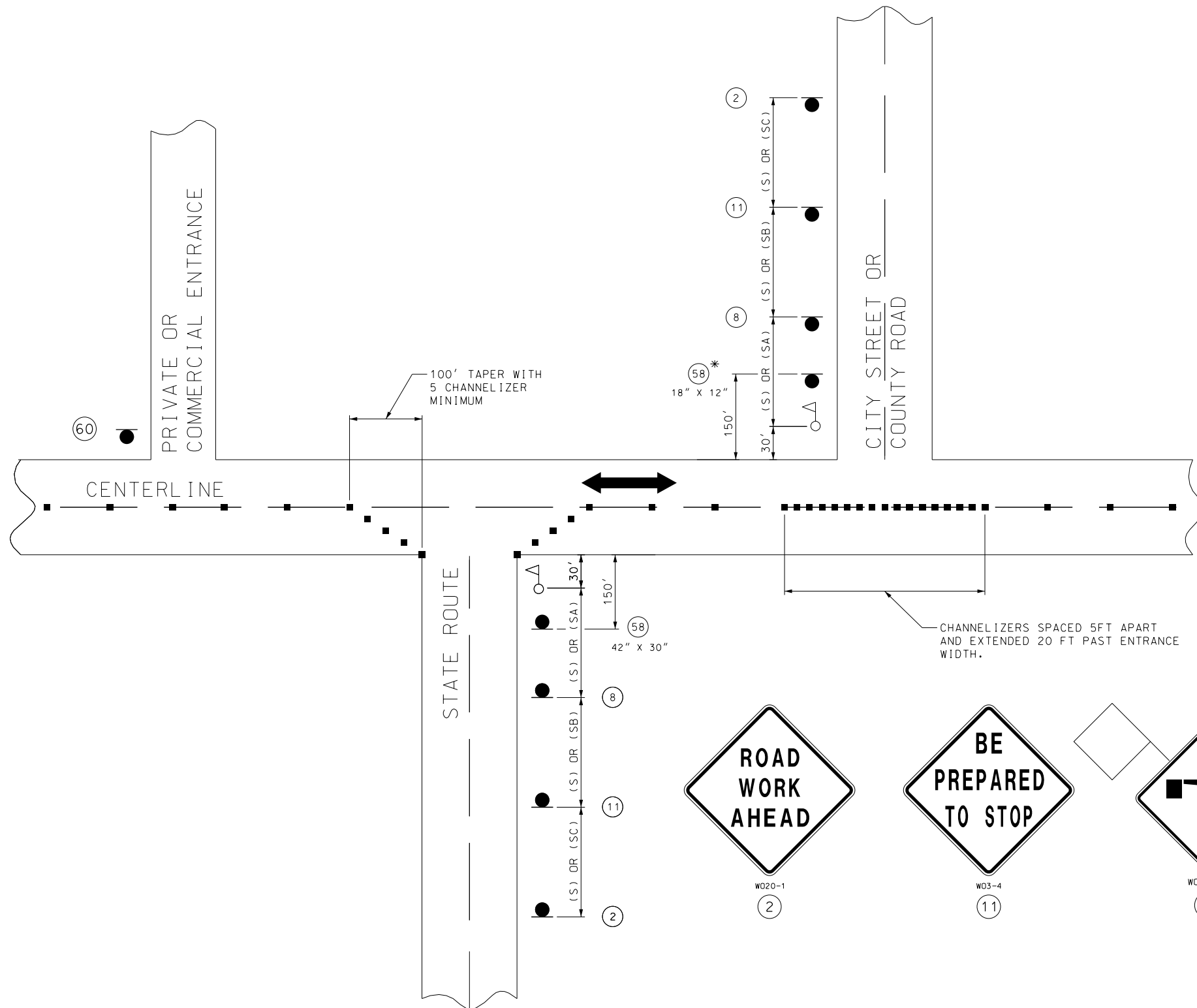
| PERMANENT POSTED SPEED LIMIT (MPH) | BUFFER SPACE LENGTH (FT) |
|------------------------------------|--------------------------|
| 0 - 35                             | 280                      |
| 40 - 45                            | 400                      |
| 50 - 55                            | 560                      |
| 60 - 70                            | 840                      |

USE THIS SHEET 2 OF 5 ONLY WHEN TEMPORARY RUMBLES ARE REQUIRED. ALSO ADD PAY ITEMS TO QUANTITIES SHEET.

TRAFFIC CONTROL  
SHEET 2 OF 5

|   |  |
|---|--|
| DATE PREPARED<br>5/4/2022                       |  |
| ROUTE   | STATE<br>MO  |
| DISTRICT  | SHEET NO.<br>6   |
| COUNTY  |  |
| JOB NO.   |  |
| 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) |

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



| SPEED<br>PERMANENT<br>POSTED<br>(MPH) | SIGN SPACING (FT.)             |                                     |
|---------------------------------------|--------------------------------|-------------------------------------|
|                                       | NON-DIVIDED<br>HIGHWAYS<br>(S) | DIVIDED<br>HIGHWAYS<br>(S)          |
| 0-35                                  | 200                            | 200                                 |
| 40-45                                 | 350                            | 500                                 |
| 50-55                                 | 500                            | 1000                                |
| 60-70                                 | 1000                           | (SA)-1000<br>(SB)-1500<br>(SC)-2640 |

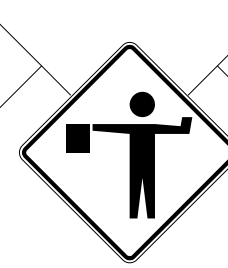
DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

NOTES:  
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

■ - CHANNELIZERS ( AS SPECIFIED )

△ - FLAGGER



SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.

SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE SPECIAL PROVISIONS.

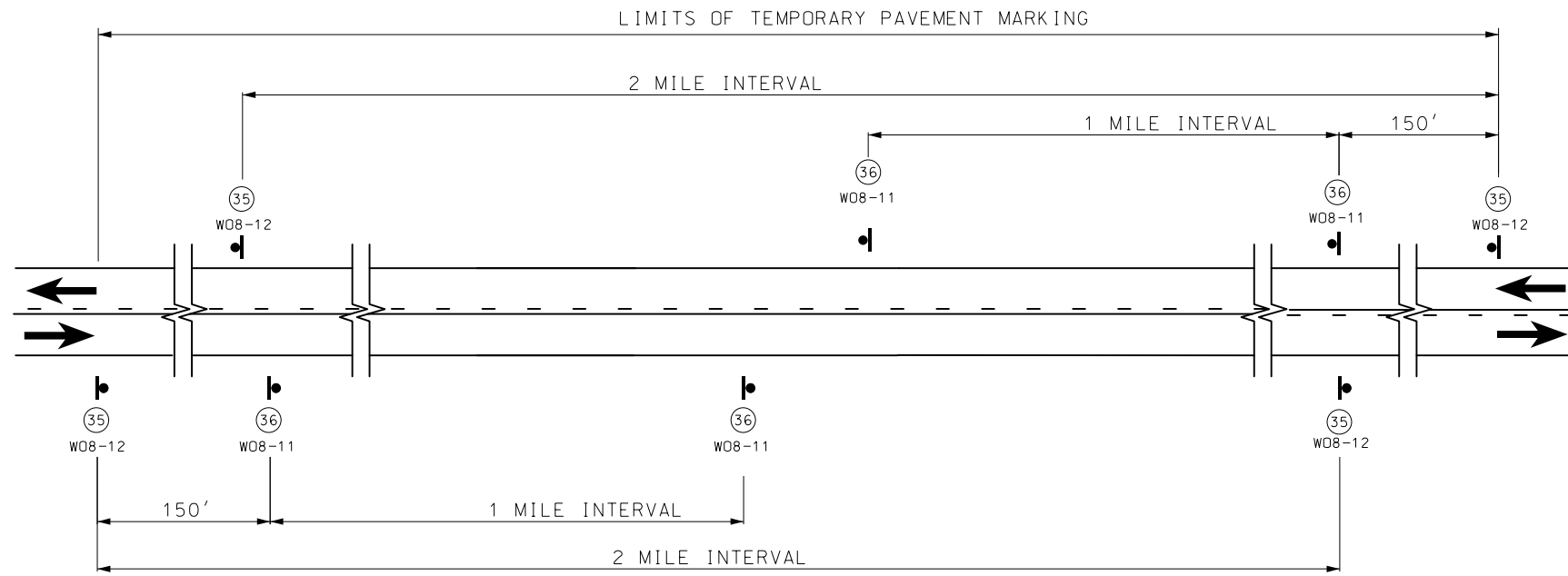
\* THE SMALLER 18" X 12" SIGN 58 IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.).

SIDE ROADS ENTERING WORK ZONES

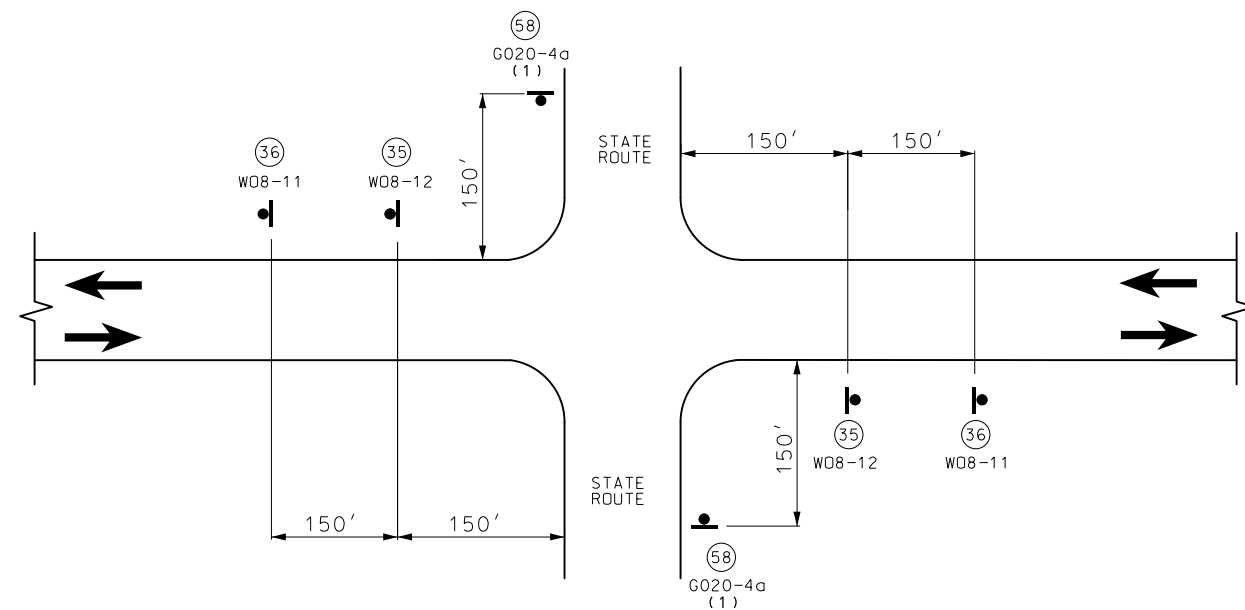
TRAFFIC CONTROL  
SHEET 3 OF 5

|   |  |
|---|--|
| DATE PREPARED<br>5/4/2022                       |  |
| ROUTE   | STATE<br>MO  |
| DISTRICT  | SHEET NO.<br>7   |
| COUNTY  |  |
| JOB NO.   |  |
| CONTRACT ID.                                    |  |
| PROJECT NO.                                     |  |
| BRIDGE NO.                                      |  |
| DESCRIPTION                                     | DATE   |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
| MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION | 105 WEST CAPITOL<br>JEFFERSON CITY, MO 65102<br>1-888-ASK-MODOT (1-888-275-6636) |
|   |  |





SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE

(1) ADDITIONAL SIDEROADS MAY BE SIGNED AS APPROVED BY THE ENGINEER.



NOTES:


SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

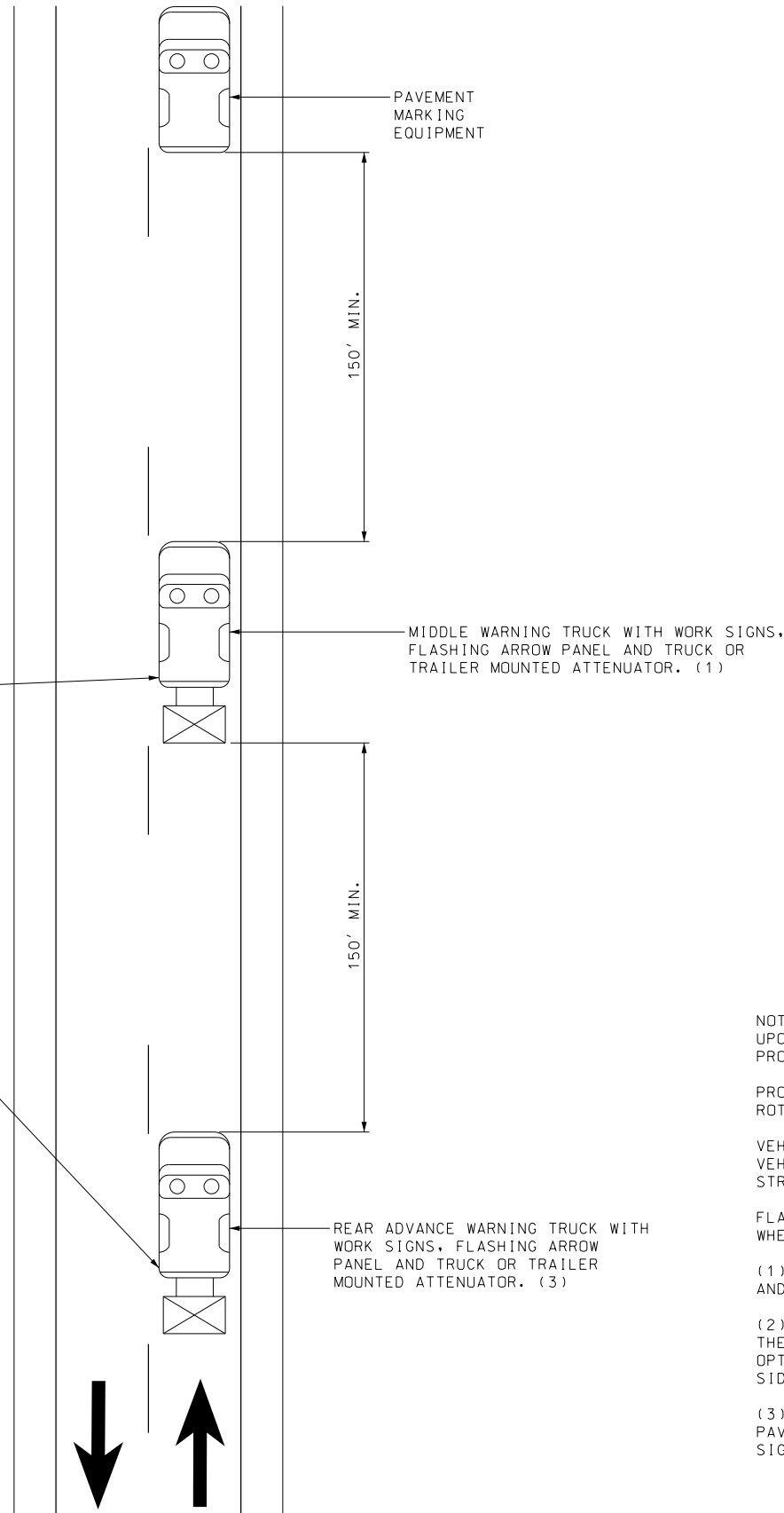
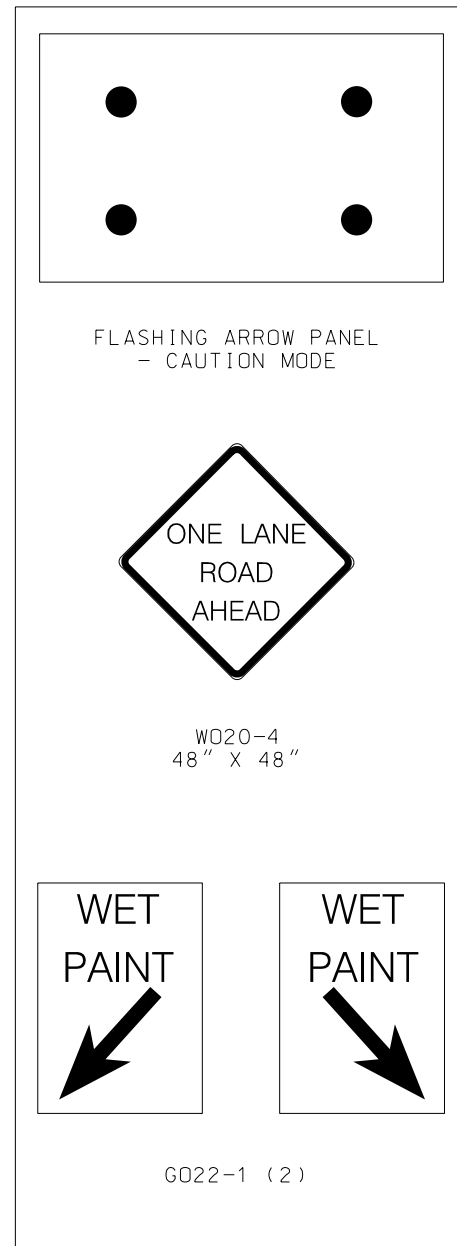
SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35), THE LATTER MAY BE ELIMINATED.

ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

NOT TO SCALE

TRAFFIC CONTROL SHEET 4 OF 5

|   |                |
|---|----------------|
| DATE PREPARED<br>5/4/2022   |                |
| ROUTE   | STATE<br>MO    |
| DISTRICT  | SHEET NO.<br>8 |
| COUNTY  |                |
| JOB NO.   |                |
| CONTRACT ID.  |                |
| PROJECT NO.   |                |
| BRIDGE NO.  |                |
| DESCRIPTION   |                |
| DATE  |                |
| MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION   |                |
| <br>105 WEST CAPITOL<br>JEFFERSON CITY, MO 65102<br>1-888-ASK-MODOT (1-888-275-6636) |                |
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**NOTES:**

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCK EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT SHALL BE MADE.

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(3) REAR ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN.

|                           |                |
|---------------------------|----------------|
| DATE PREPARED<br>5/4/2022 |                |
| ROUTE                     | STATE<br>MO    |
| DISTRICT                  | SHEET NO.<br>9 |
| COUNTY                    |                |
| JOB NO.                   |                |
| CONTRACT ID.              |                |
| PROJECT NO.               |                |
| BRIDGE NO.                |                |
| DESCRIPTION               |                |
| DATE                      |                |

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
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