A.A.D.T. - DESIGN = VARIOUS A.A.D.T. - CONSTRUCTION = VARIOUS T = VARIOUS V = VARIOUS M.P.H. FUNCTIONAL CLASSIFICATION- VARIOUS

NO NEW RIGHT OF WAY REQUIRED FOR THIS PROJECT

### CONVENTIONAL SYMBOLS (USED IN PLANS)

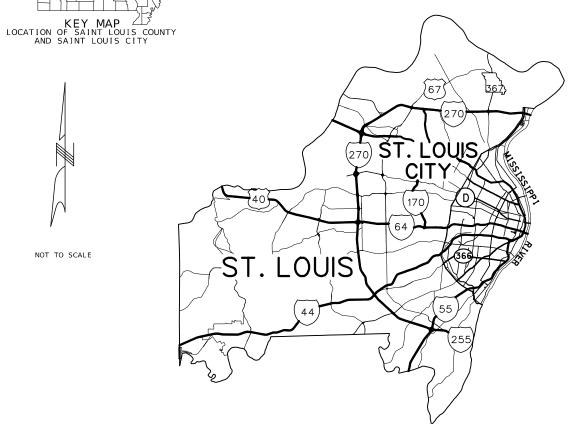
|               | (OSED THE LEARNS  | • •                                       |                                      |
|---------------|---|---|--------------------------------------|
|               |   | EXISTING                                  | NEW                                  |
| GI<br>CI<br>S | JILDINGS AND STRUCTURES JARD RAIL DNCRETE RIGHT-OF-WAY MARKER TEEL RIGHT-OF-WAY MARKER DCATION SURVEY MARKER TILITIES | 00000<br>171<br>77                        | •••••• • •                           |
| Ü             | FIBER OPTICS OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER GAS WATER                      | - FO-<br>O-<br>T-<br>D-<br>P-<br>G-<br>W- | —F0—<br>— T—<br>— P—<br>— G—<br>— W— |
| M             | ANHOLE  | HYD.                                      | )                                    |
| F             | IRE HYDRANT   | W.C                                       | 1                                    |
| W             | ATER VALVE  |   | )                                    |
| W             | ATER METER  | wn (                                      | )                                    |
| DF            | ROP INLET   | , [                                       |                                      |
| D             | ITCH BLOCK  | =   | <b>⊨</b>                             |
| G             | ROUND MOUNTED SIGN  | SIGN                                      | -                                    |
| L             | IGHT POLE   |   |                                      |
| Н             | -FRAME POWER POLE   |   |                                      |
|               | ELEPHONE PEDESTAL<br>ENCE   | PED                                       |                                      |
|               | CHAIN LINK<br>WOVEN WIRE<br>GATE POST   | v   |                                      |
| В             | ENCHMARK  | BM ⊗                                      |                                      |
|               |   |   |                                      |

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

# PLANS FOR PROPOSED

# STATE HIGHWAY SAINT LOUIS CITY AND SAINT LOUIS COUNTY



DISCLAIMER

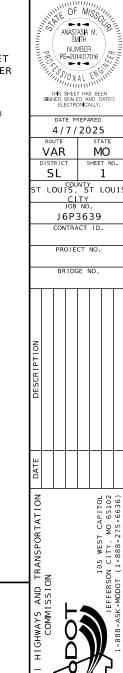
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THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABLITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE. LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

JOB ORDER CONTRACTING

## INDEX OF SHEETS

| DESCRIPTION                 | SHEET  |
|-----------------------------|--------|
| TITLE SHEET                 | 1      |
| TRAFFIC CONTROL SHEETS (TC) | 2 - 10 |



PROJECT DESCRIPTION:

JOB ORDER CONTRACT FOR GUARDRAIL REPAIR AT VARIOUS LOCATIONS IN ST. LOUIS COUNTY AND ST, LOUIS CITY

SHEET ш

# Sign Spacing, Device Spacing and Channelizing Taper Lengths

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

| LONGITUDINA  | AL BUFFER SPACE (B) |  |  |  |  |
|--------------|---------------------|--|--|--|--|
| SPEED<br>MPH | BUFFER<br>SPACE     |  |  |  |  |
| 0 - 35       | 250                 |  |  |  |  |
| 40-45        | 360                 |  |  |  |  |
| 50-55        | 495                 |  |  |  |  |
| 60-70        | 730                 |  |  |  |  |
|              |                     |  |  |  |  |

| TAPER LENGTHS AND SPACING<br>OF CHANNELIZING DEVICES |   |          |                                |         |           |
|--|---|----------|--------------------------------|---------|-----------|
| SPEED  | MINIMUM<br>TAPER LENGTHS (L)<br>FOR LANE WIDTHS (W) |          | MAXIMUM<br>CHANNELIZER SPACING |         |           |
| MPH  | FOR LA  | ANE WIDI | HS (W)                         | THROUGH | THROUGH   |
|  | 10 FT   | 11 FT    | 12 FT                          | TAPER   | 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       |

### 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

### 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

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# TRAFFIC CONTROL DEVICES

#### GENERAL NOTES:

- 1. 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.
- 4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- 6. 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

BARRICADE

CHANGEABLE MESSAGE BOARD

FLASHING ARROW PANEL

TMA (TRUCK MOUNTED ATTENUATOR)
WITH FLASHING ARROW PANEL



ANASTASIA M SMITH

ROUTE STATE
VAR MO

SL

ST LOUIS, ST LOUIS

CITY

JOB NO.

J6P3639

PROJECT NO.

BRIDGE NO.

DESCRIPTION

SPORTATION DATE

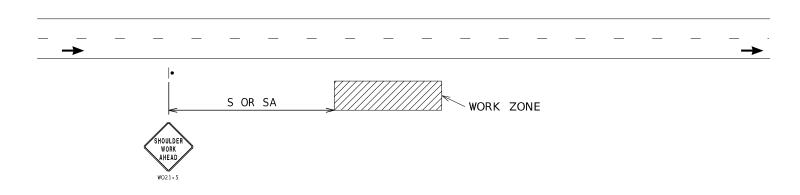
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COMMISSION

TODOT

105 WEST

TRAFFIC CONTROL SHEET 1 OF 9

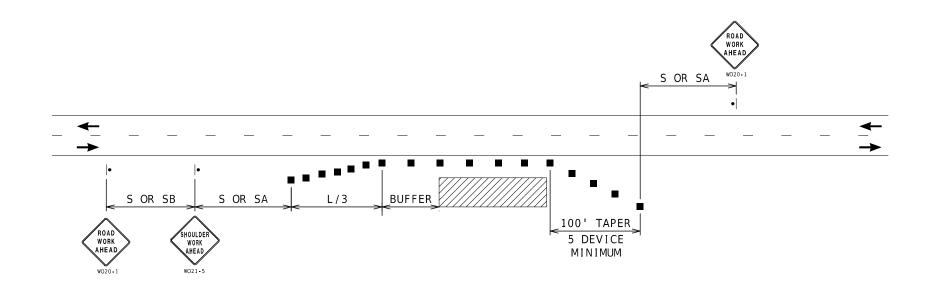


# WORK BEYOND SHOULDER - UNDIVIDED OR DIVIDED ROADWAYS

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.



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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.

ANASTASIA M. NUMBER PE-2014017016 SONAL F

4/7/2025 VAR MO

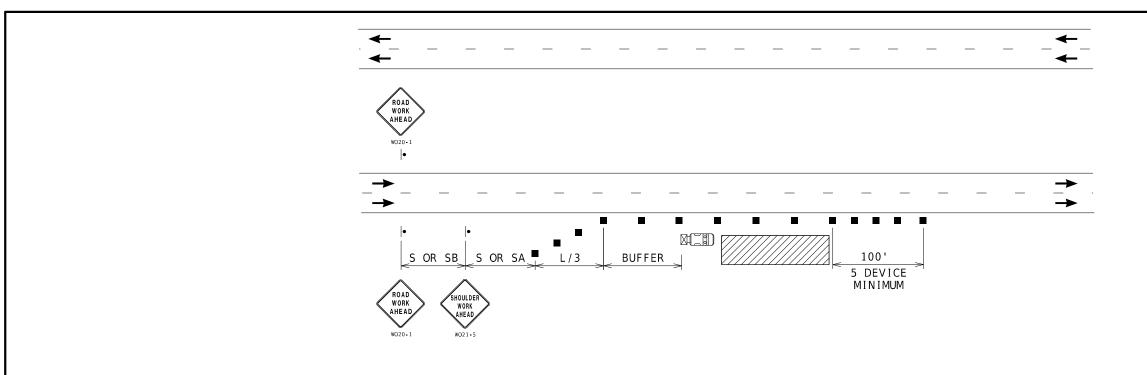
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J6P3639 CONTRACT ID.

PROJECT NO

BRIDGE NO.

CONTROL 2 OF 9 SHEET S

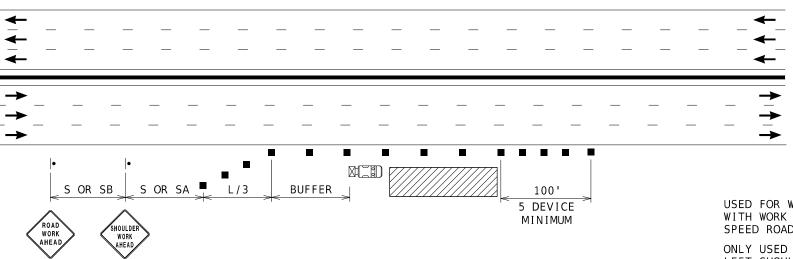


# RIGHT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

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

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NOTES

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

# RIGHT SHOULDER WORK MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

MODOT

105 WEST CAPITOL

HEFFERSON CITY, MO 65102

ANASTASIA M.

4/7/2025

ST LOUIS, ST LOUIS CITY JOB NO. J6P3639 CONTRACT ID.

PROJECT NO

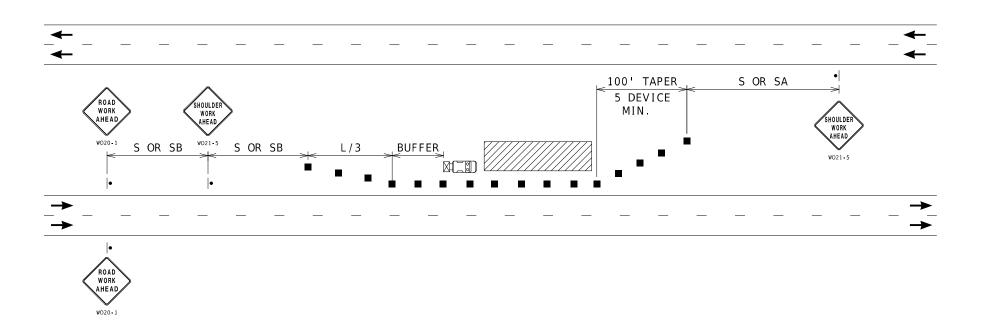
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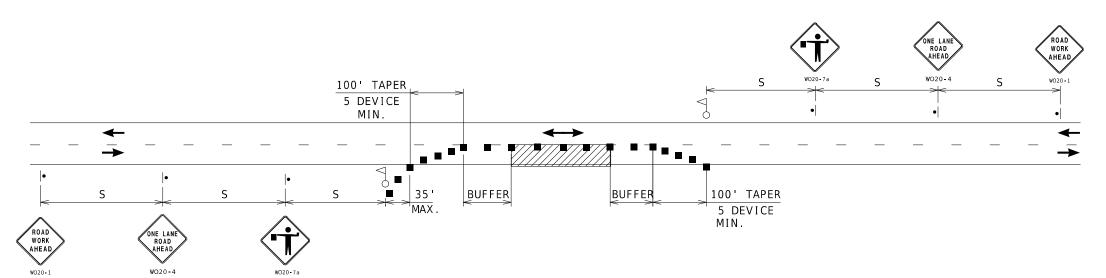
FRAFFIC CONTROL SHEET 3 OF 9



# 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.

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



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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 RAMPS AS DIRECTED BY THE ENGINEER. NO DIRECT PAYMENT WILL BE MADE FOR FLAGGERS

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4/7/2025 VAR MO

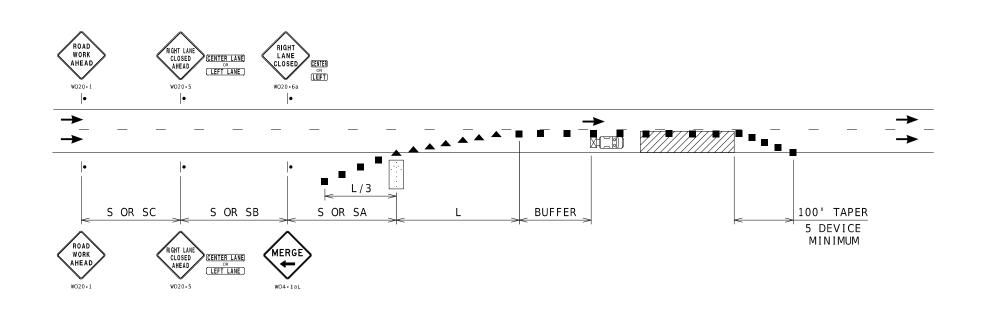
SL 5 ST LOUIS, ST LOUIS CITY

J6P3639 CONTRACT ID.

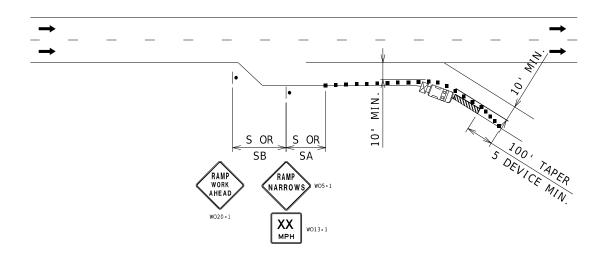
PROJECT NO

BRIDGE NO.

CONTROL 4 OF 9 SHEET .



SINGLE LANE CLOSURE



# PARTIAL RAMP CLOSURE

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NOTES

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

ANASTASA M.
ANASTASA M.
SMITH
NUMBER
PE-2014017016

THIS SHEET HAS BEEN
GGWED, SEALED AND DATED

ELECTRONICALLY

4/7/2025

ROUTE STATE
VAR MO
DISTRICT SHEET NO
SL 6

ST LOUIS, ST LOUIS CITY JOB NO. J6P3639 CONTRACT ID.

PROJECT NO

BRIDGE NO.

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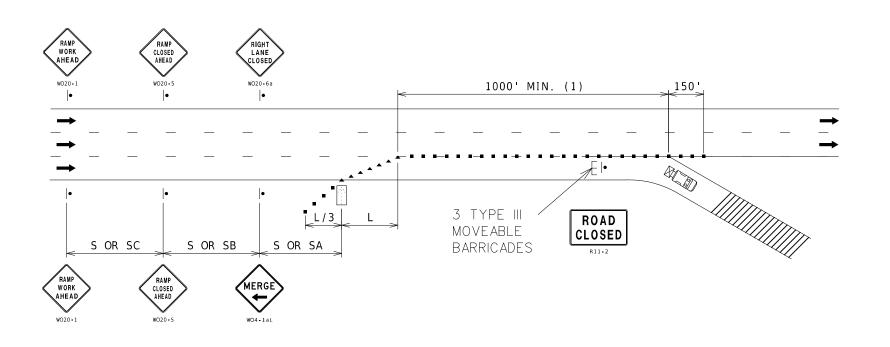
DESCRIPTION

БАТЕ

SOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MODOT

105 WEST CAPITOL
IEFFERSON CITY, MO 65102

TRAFFIC CONTROL SHEET 5 OF 9

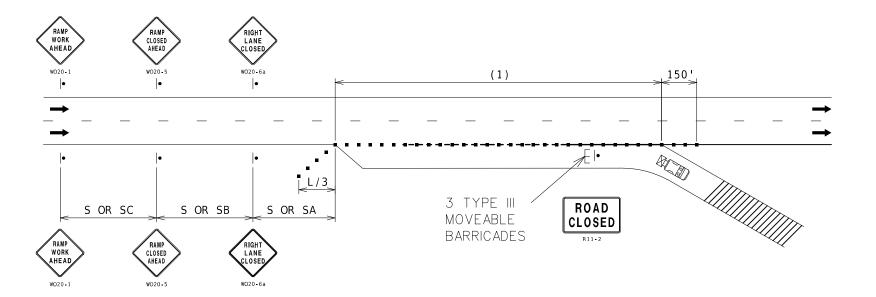


NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

(1) CHANNELIZER SPACING AT 50'.

# RAMP CLOSURE



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### NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

(1) CHANNELIZER SPACING AT 50'.

RAMP CLOSURE

MISSOURI HIGHWAYS AND TRANSPORTATION DA
COMMISSION

MADOT

1.888.ASK. WOODT

1.888.ASK. WOODT (1.888.275.6532)

ANASTASIA M. SMITH NUMBER PE-2014017016

4/7/2025

ST LOUIS, ST LOUIS CITY JOB NO. J6P3639 CONTRACT ID.

PROJECT NO

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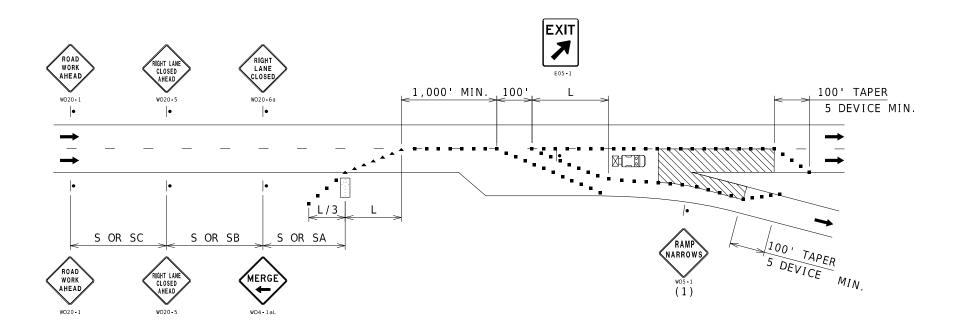
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TRAFFIC CONTROL SHEET 6 OF 9

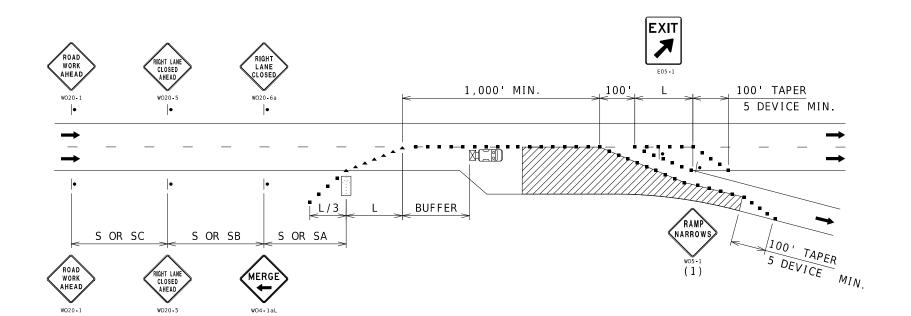


## NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

- (1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
- (2) CHANNELIZER SPACING AT 50'.

# EXIT RAMP AREA MAINLINE WORK



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#### NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

- (1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
- (2) CHANNELIZER SPACING AT 50'.

# EXIT RAMP AREA DECELERATION LANE WORK

MISSOURI HIGHWAYS AND TRANSPORTATION DAT

COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, NO 65102

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

ANASTASIA M. SMITH

S/ONAL F

4/7/2025

ST LOUIS CITY

JOB NO.

J6P3639

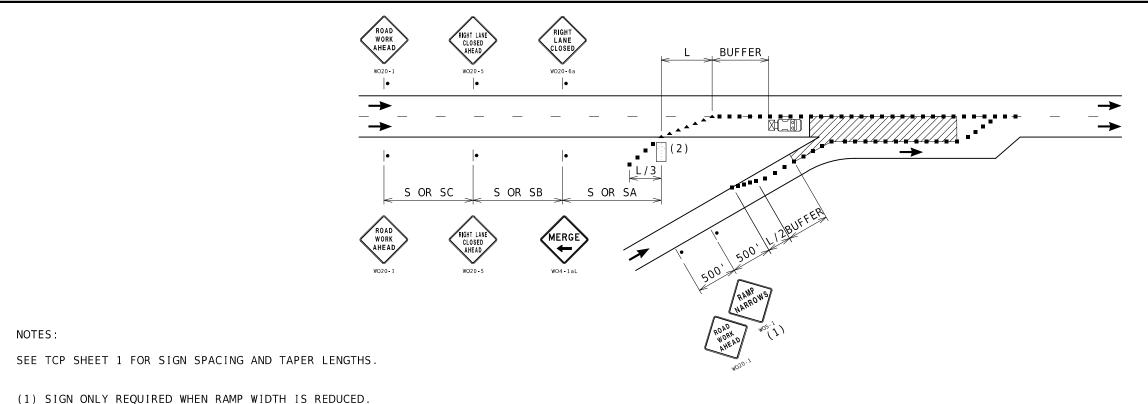
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TRAFFIC CONTROL SHEET 7 OF 9



ENTRANCE RAMP AREA MAINLINE WORK

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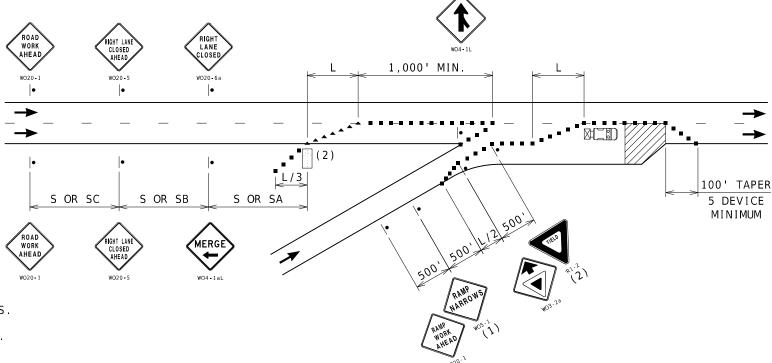
## NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

(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.

- (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.



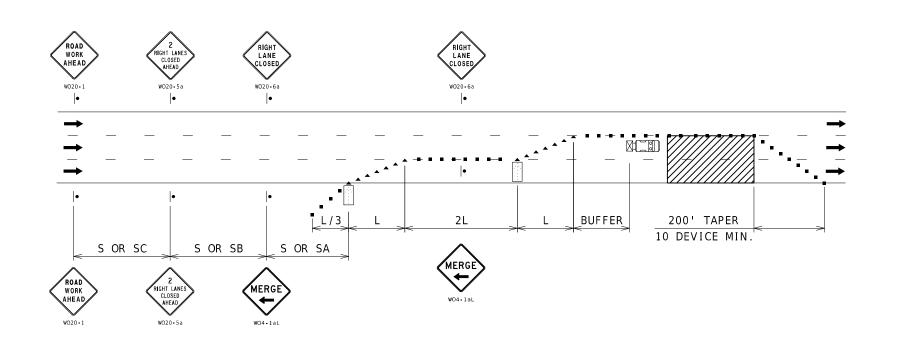
ENTRANCE RAMP AREA ACCELERATION LANE WORK

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ANASTASIA M SMITH

BRIDGE NO

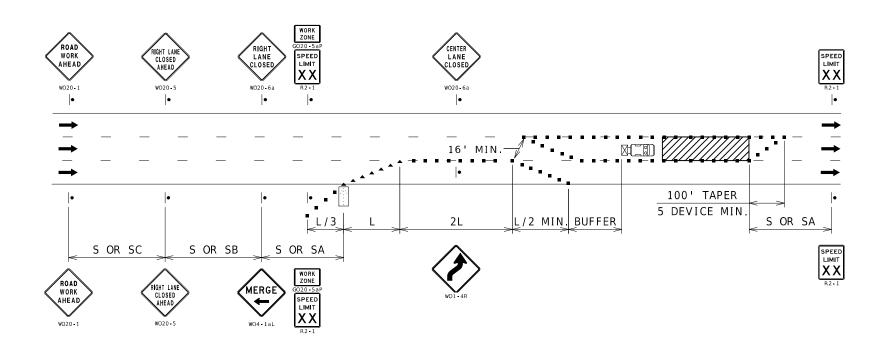
CONTROL 8 OF 9 SHEET S



NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

# DOUBLE LANE CLOSURE



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NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

INTERIOR LANE CLOSURE

MISSOURI HIGHWAYS AND TRANSPORTATION

COMMISSION

1.588.ASK. MODOT

1.588.ASK. MODOT (1.588.275.6836)

ANASTASIA M. SMITH NUMBER PE-2014017016

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4/7/2025

ST LOUIS, ST LOUIS CITY JOB NO. J6P3639 CONTRACT ID.

PROJECT NO

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TRAFFIC CONTROL SHEET 9 OF 9