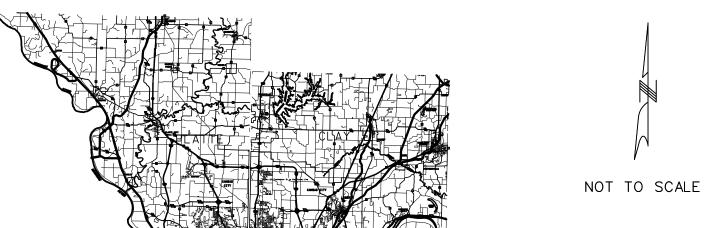
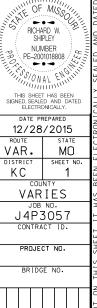
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY

PLATTE, CLAY, JACKSON AND CASS COUNTIES



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TRAFFIC CONTROL SHEETS (TC)	4-10



BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL L-888-65K-MDDOT 105 WEST CAPITOL L-888-55K-MDDOT 105 WEST CAPITOL L-888-55K-MDDOT 105 WEST CAPITOL L-888-55K-MDDOT 105 WEST CAPITOL L-888-55K-MDDOT 105 WEST CAPITOL 105 WEST CAP

CONVENTIONAL SYMBOLS

NO NEW RIGHT OF WAY REQUIRED FOR THIS PROJECT

(USED IN PLANS	5)	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER UTILITIES	00000	0
FIBER OPTICS OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER GAS WATER	-F0- 	-F0
MANHOLE	SAN)
FIRE HYDRANT	HYD C)
WATER VALVE	" "@)
WATER METER	***⊕)
DROP INLET	•	
DITCH BLOCK	=	⊨
GROUND MOUNTED SIGN	SIGN	_
LIGHT POLE	f	1
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE	PED	<u> </u>
CHAIN LINK WOVEN WIRE GATE POST	——	
BENCHMARK	ВМ (≪)

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

PROJECT DESCRIPTION:

JOB ORDER CONTRACT,

BRIDGE REPAIR ON VARIOUS ROUTES

Sign Spacing, Device Spacing, Channelizing Taper Lengths And Recommended Maximum Speed Reductions

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES						
SPEED (P)	MINIMUM TAPER LENGTHS (L)		MINIMUM TAPER	MAXIMUM CHANNELIZER SPACING		
MPH	FOR L	ANE WIDT	HS (W) 12 FT	SHOULDER (T1)	THROUGH TAPER	THROUGH WORK AREA
0-35	205 FT	225 FT	245 FT	70	35 FT	50 FT
40-45	450 FT	495 FT	540 FT	150	40 FT	100 FT
50-55	550 FT	605 FT	660 FT	185	50 FT	100 FT
60-70	700 FT	770 FT	840 FT	235	60 FT	100 FT

- L = W X P FOR 40 MPH OR MORE
- $L = \frac{WP^2}{60}$ FOR 35 MPH OR LESS
- L = TAPER LENGTH IN FEET
- W = LATERAL SHIFT IN FEET
- P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

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

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
SPEED (P) MPH	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA-1000 FT, SB-1500	FT, SC-2640 FT **

** THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.

THE SB DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.

THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

(THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE)

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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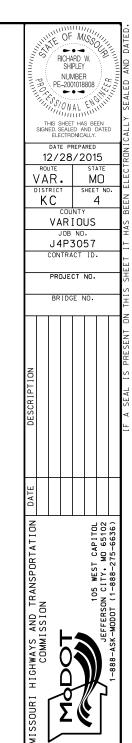
EPG TABLE 616.29 RECOMMENDE	D MAXIMUM SPEED REDUCTIONS
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT.BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH

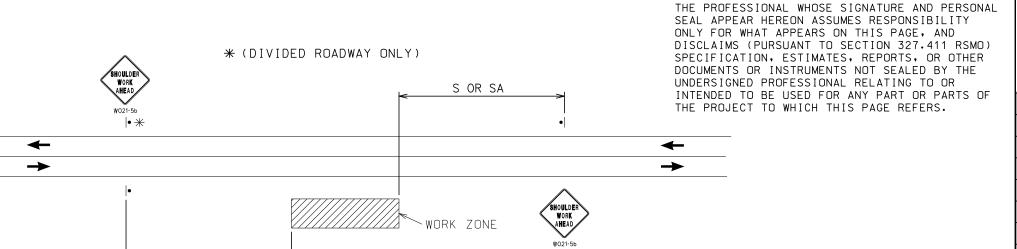
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.

GENERAL NOTES:

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

DEVICE SPACING TEMPORARY TRAFFIC CONTROL SHEET 1 OF 7





WORK BEYOND RIGHT SHOULDER - UNDIVIDED OR DIVIDED ROADWAYS

S OR SA

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

FOR DIVIDED ROADWAYS, SIGNS SHALL BE PROVIDED ON LEFT AND RIGHT SIDE OF ROADWAY WITH DOWNSTREAM SIGN BEING OMITTED.

TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

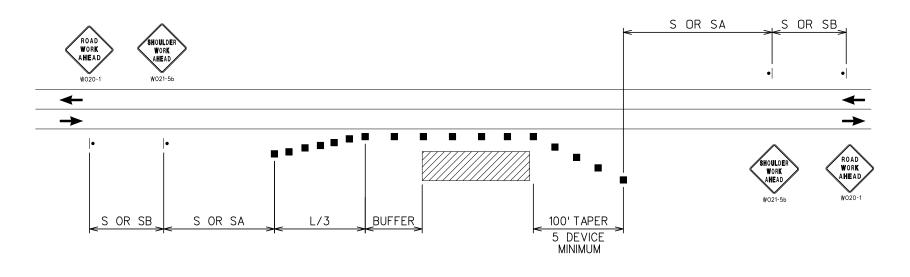
TMA TRUCK MOUNTED ATTENUATOR

NOT TO SCALE

■ CHANNELIZER

▲ DIRECTIONAL INDICATOR BARRICADE

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.



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.

RICHARD W. SHPLEY NUMBER PE-2001018808 PE-200101808 PE-20

DATE PREPARED

12/28/2015

ROUTE STATE

VAR. MO

DISTRICT SHEET NO

KC 5

DISCLAIMER

VARIOUS

JOB NO.

J4P3057

CONTRACT ID.

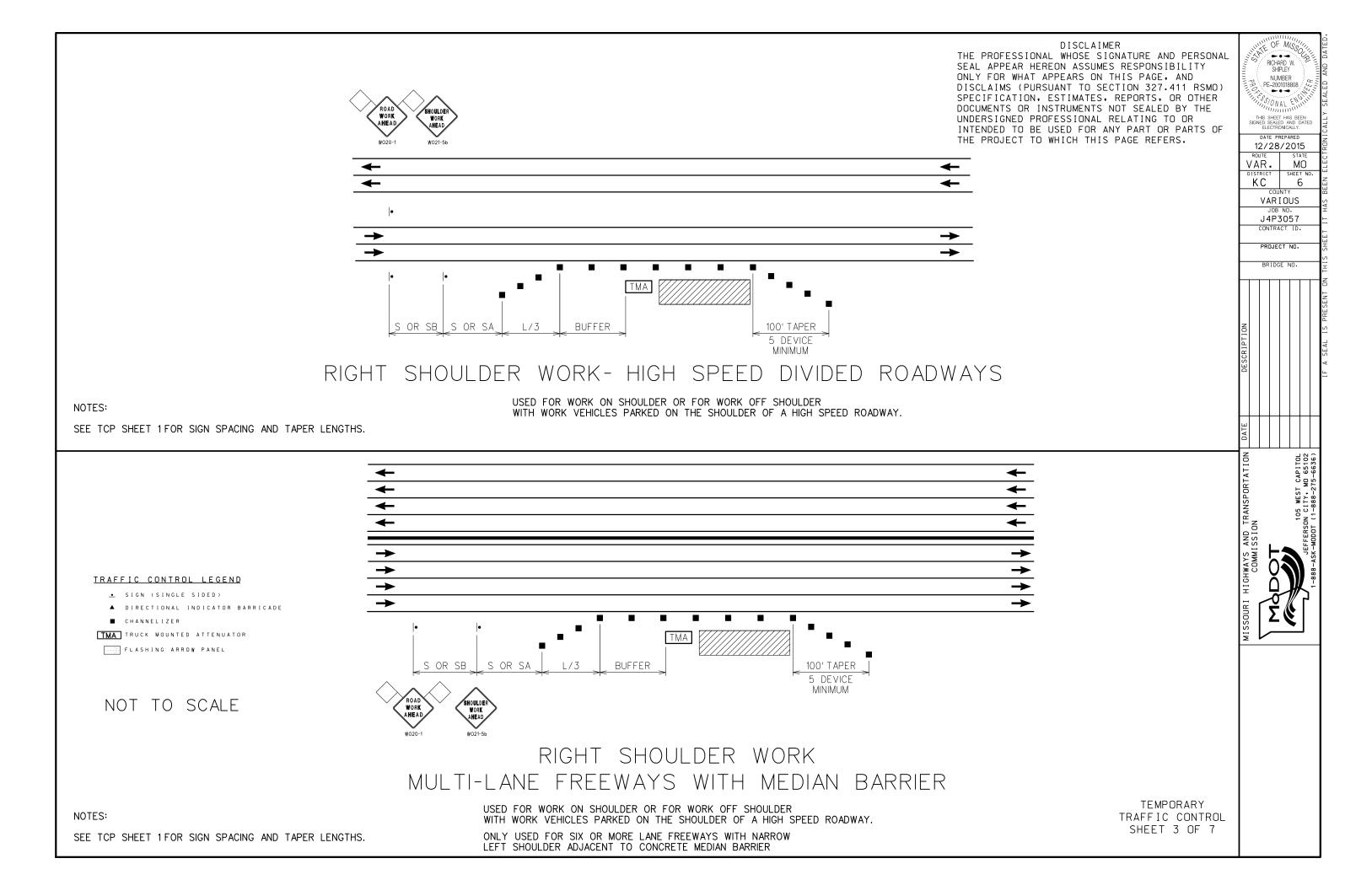
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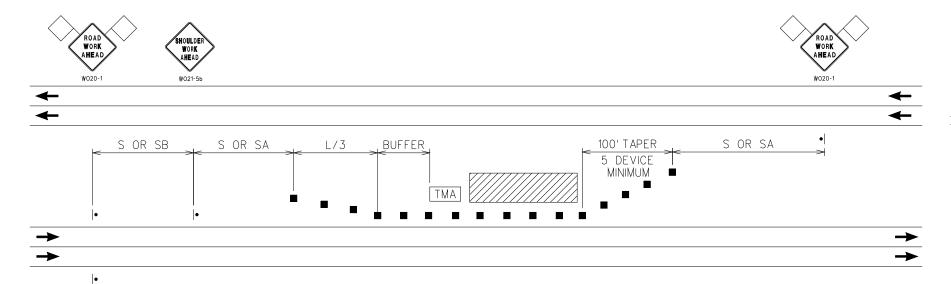
DESCRIPTION

ON DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
THE COMMISSION
TOS WEST CAPITOL
JEFFERSON CITY, MO 65102

TEMPORARY TRAFFIC CONTROL SHEET 2 OF 7





TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▲ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER

TMA TRUCK MOUNTED ATTENUATOR

FLASHING ARROW PANEL

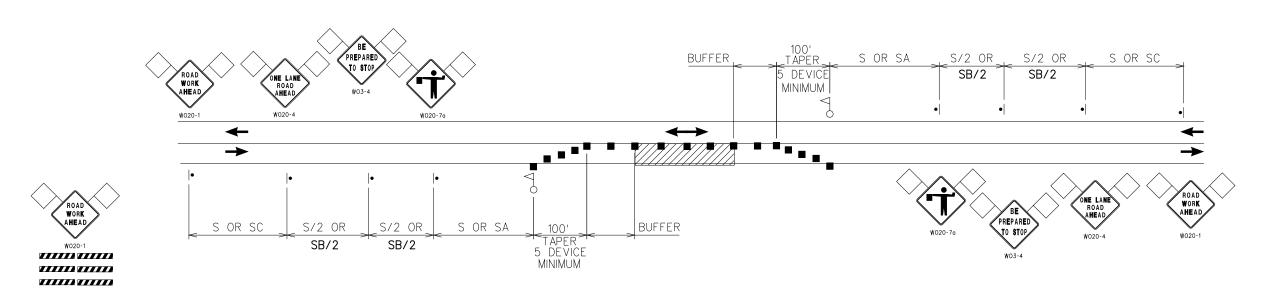
NOT TO SCALE

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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IF PROJECT EXCEEDS 3 DAYS, INSTALL ADVANCE WARNING RAIL SYSTEM ON THE FIRST OCCURRENCE OF THE ROAD WORK AHEAD SIGN (WO20-1).

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

NOTES:

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

TEMPORARY TRAFFIC CONTROL SHEET 4 OF 7



RICHARD W. SHIPLEY NUMBER

12/28/2015

VARIOUS

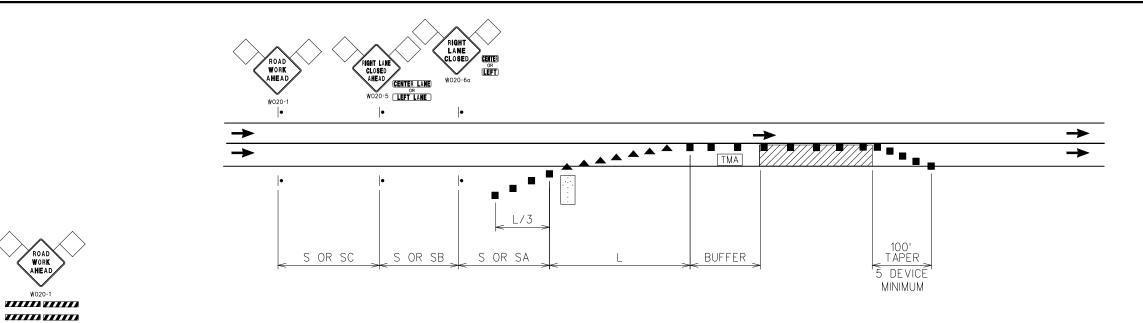
J4P3057

PROJECT NO.

MΩ

SHEET NO

VAR.



IF PROJECT EXCEEDS 3 DAYS, INSTALL ADVANCE WARNING RAIL SYSTEM ON THE FIRST OCCURRENCE OF THE ROAD WORK AHEAD SIGN (WO20-1).

SINGLE LANE CLOSURE

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12/28/2015

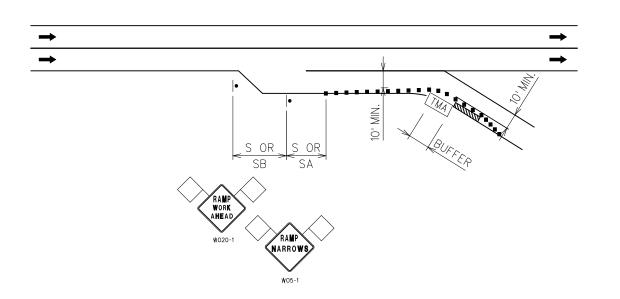
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PROJECT NO.

VAR.

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



PARTIAL RAMP CLOSURE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▲ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER

TMA TRUCK MOUNTED ATTENUATOR

FLASHING ARROW PANEL

NOT TO SCALE

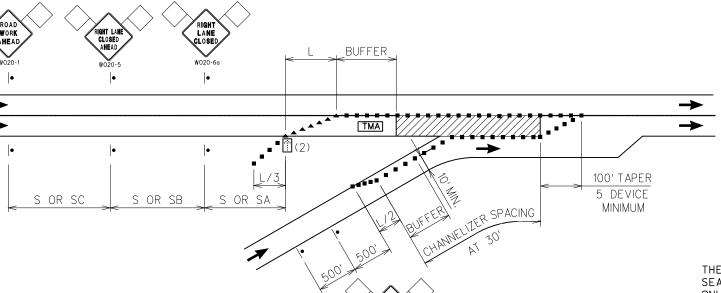
TEMPORARY TRAFFIC CONTROL SHEET 5 OF 7

IF PROJECT EXCEEDS 3 DAYS, INSTALL ADVANCE WARNING RAIL SYSTEM ON THE FIRST OCCURRENCE OF THE ROAD WORK AHEAD SIGN (WO20-1).

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



IF PROJECT EXCEEDS 3 DAYS, INSTALL ADVANCE WARNING RAIL SYSTEM ON THE FIRST OCCURRENCE OF THE ROAD WORK AHEAD SIGN (WO20-1).



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NUMBER

12/28/2015

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J4P3057

CONTRACT ID.

PROJECT NO.

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NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

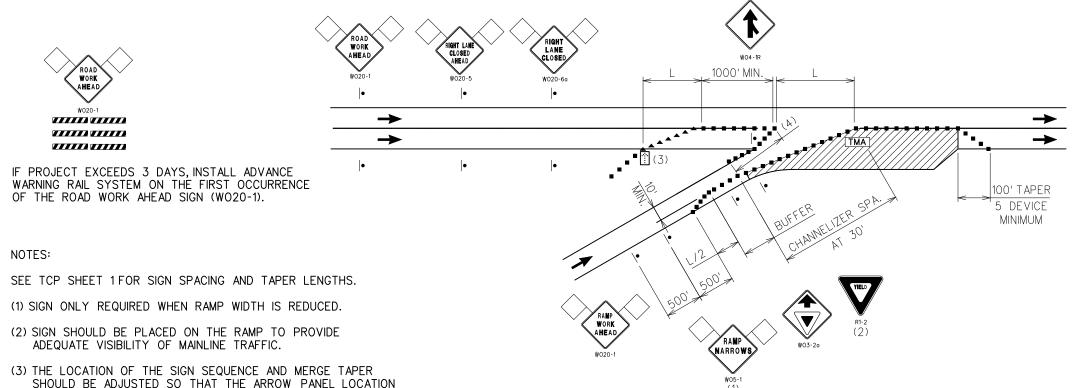
(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.

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

ENTRANCE RAMP AREA MAINLINE WORK

ENTRANCE RAMP AREA

ACCELERATION LANE WORK



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▲ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER

TMA TRUCK MOUNTED ATTENUATOR

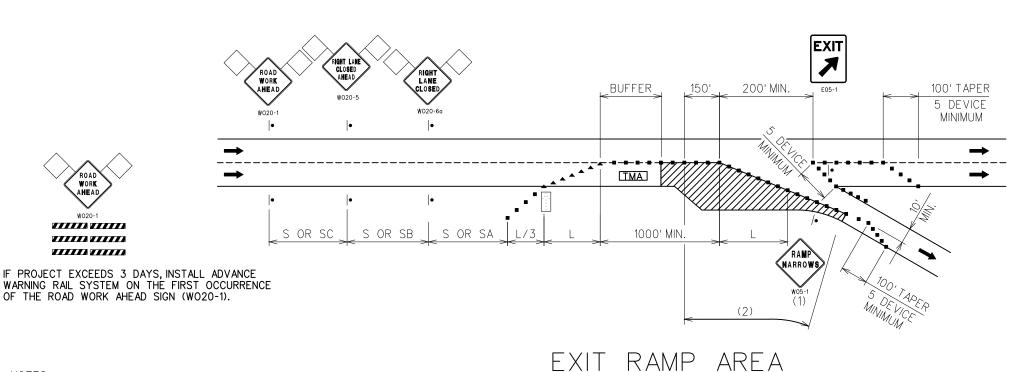
FLASHING ARROW PANEL

NOT TO SCALE

TRAFFIC CONTROL SHEET 6 OF 7

TEMPORARY

- SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.
- (4) CHANNELIZER SPACING AT 30'.



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RICHARD W.
SHIPLEY
NUMBER
PE-2001018808

THIS SHEET HAS SIGNED, SEALED AN ELECTRONICAL

12/28/2015

ROUTE STATE
VAR. MO
DISTRICT SHEET NO
KC 10

VARIOUS

JOB NO.

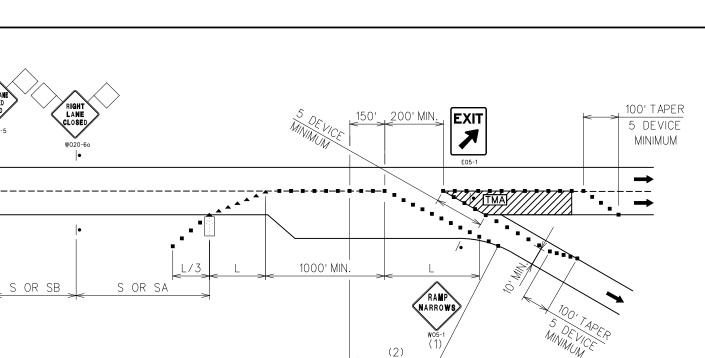
J4P3057

PROJECT NO.

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

- (1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
- (2) CHANNELIZER SPACING AT 30'.



TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

▲ DIRECTIONAL INDICATOR BARRICADE

■ CHANNELIZER

TMA TRUCK MOUNTED ATTENUATOR

FLASHING ARROW PANEL

NOT TO SCALE

No South In South In

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

S OR SC

- (1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
- (2) CHANNELIZER SPACING AT 30'.

IF PROJECT EXCEEDS 3 DAYS, INSTALL ADVANCE

OF THE ROAD WORK AHEAD SIGN (WO20-1).

WARNING RAIL SYSTEM ON THE FIRST OCCURRENCE

EXIT RAMP AREA MAINLINE WORK

DECELERATION LANE WORK

TEMPORARY
TRAFFIC CONTROL
SHEET 7 OF 7