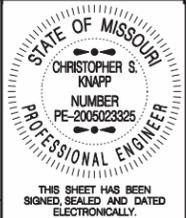


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SUMMARY OF QUANTITIES



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE STATE
J MO

DISTRICT SHEET NO.
NE 3

COUNTY
RALLS

JOB NO.
J2S3204

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

CONSTRUCTION SIGNS

SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 20 MILES
2 *	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	4	64.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL) WITH FLAGS
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	20	320.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	2	16.00	RATE OUR WORK ZONE
57	W08-7a	36 X 36	9.00	40	360.00	FRESH OIL LOOSE GRAVEL
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)

SIDE ROAD PACKAGE - NON-STATE ROUTE

2A *	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	-	-	PILOT CAR IN USE WAIT & FOLLOW
TOTAL			49.50	27	1336.50	MISC. STREETS AND CO. RDS.

SIDE ROAD PACKAGE - STATE ROUTE

2A *	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	-	-	PILOT CAR IN USE WAIT & FOLLOW
TOTAL			56.75	4	227.00	STATE ROUTES

(616-10.05) CONSTRUCTION SIGNS TOTAL	2533.76
(616-10.05) CONSTRUCTION SIGNS TOTAL (USE)	2534

ITEM NO.	QTY.	DESCRIPTION
616-10.09	6	FLAG ASSEMBLY
616-10.25	100	CHANNELIZERS (TRIM-LINE)
612-30.00A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)

FOR INFORMATION ONLY

SEAL COAT GRADE	A1	A2	B1	B2	C
TARGET BINDER APPLICATION RATE, GAL/SY	0.38	0.28	0.38	0.28	0.38

COVER AGGREGATE	
LIGHT WEIGHT AGGREGATE	12 LB/ SY
LIMESTONE	17 LB/ SY
PORPHYRY	22 LB/ SY

MOBILIZATION
QUANTITY
1 LUMP SUM

NOTE:

REFER TO STANDARD PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

* ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 4 OF 6 AND AS DIRECTED BY ENGINEER.

SEAL COAT QUANTITIES

LOG MILE	LOG MILE	LOCATION	AVERAGE WIDTH (FT)	SEAL COAT AGGR. GRADE B2 (S.Y.)	EMULSIFIED ASPHALT SEAL COAT (GAL.)	REMARKS
0.026	0.087	RTE J	40	1431.47	400.81	BREAK AT RAILROAD CROSSING
0.107	0.439	RTE J	40	7790.93	2181.46	
0.439	1.155	RTE J	24	10081.28	2822.76	
1.155	1.200	RTE J	40	1056.00	295.68	BRIDGE #A4037
1.200	4.780	RTE J	24	50406.40	14113.79	BREAK AT BRIDGE #R0503
4.800	6.380	RTE J	24	22246.40	6228.99	
6.380	10.259	RTE J	22	50064.96	14018.19	BREAK AT CLARENCE CANNON DAM
10.746	12.025	RTE J	22	16507.63	4622.14	
12.025	12.316	RTE J	38	6487.36	1816.46	
12.316	13.675	RTE J	22	17540.16	4911.24	
13.675	13.925	RTE J	38	5573.33	1560.53	
13.925	15.959	RTE J	40	47731.20	13364.74	
15.959	16.138	RTE J	24	2520.32	705.69	
16.138	19.322	RTE J	40	74717.87	20921.00	
19.322	19.468	RTE J	32	2740.91	767.45	
19.468	19.520	RTE J	40	1220.27	341.68	
19.520	19.610	RTE J	32	1689.60	473.09	
19.610	19.676	RTE J	24	929.28	260.20	
2.283		RTE J		525.00	147.00	EXISTING TURN LANE- SEE SPECIAL SHEET 3
TOTAL				321,260.37	89,952.90	
USE				321,261	89,953	

NOTE: EMULSIFIED ASPHALT = 0.28 GAL/SY

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

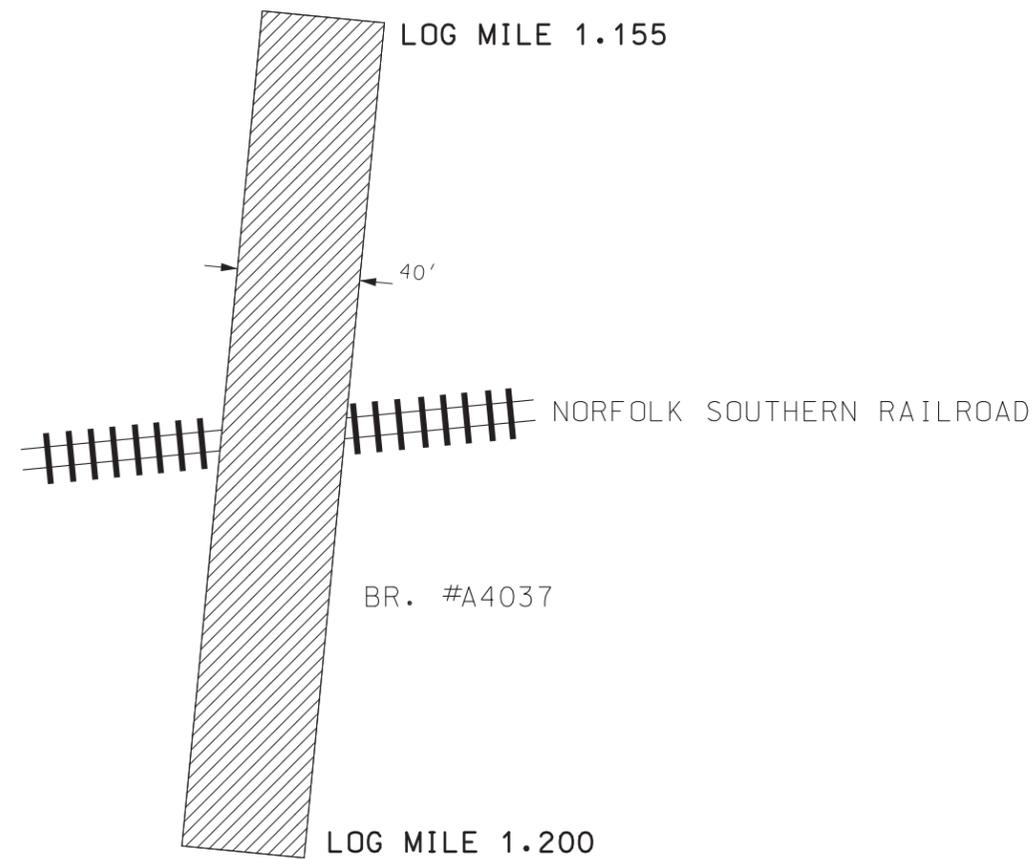


105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

SUMMARY SHEET
SHEET 1 OF 3

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

REV.



 SEAL COAT



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE STATE
J MO

DISTRICT SHEET NO.
NE 5

COUNTY
RALLS

JOB NO.
J2S3204

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



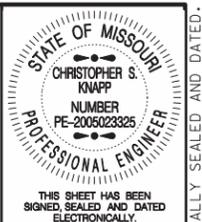
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 2 OF 3
NOT TO SCALE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SUMMARY OF QUANTITIES



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE STATE
W MO

DISTRICT SHEET NO.
NE 3

COUNTY
MONROE/RALLS

JOB NO.
J2S3205

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 4 MILES
2 *	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	4	64.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL) WITH FLAGS
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	4	64.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	2	16.00	RATE OUR WORK ZONE
57	W08-7a	36 X 36	9.00	8	72.00	FRESH OIL LOOSE GRAVEL
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE						
2A *	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	-	-	PILOT CAR IN USE WAIT & FOLLOW
TOTAL			49.50	7	346.50	MISC. STREETS AND CO. RDS.
SIDE ROAD PACKAGE - STATE ROUTE						
2A *	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	-	-	PILOT CAR IN USE WAIT & FOLLOW
TOTAL			56.75	0	0.00	STATE ROUTES
(616-10.05) CONSTRUCTION SIGNS TOTAL					772.76	
(616-10.05) CONSTRUCTION SIGNS TOTAL (USE)					773	

ITEM NO .	QTY.	DESCRIPTION
616-10.09	4	FLAG ASSEMBLY
616-10.25	40	CHANNELIZERS (TRIM-LINE)
612-30.00A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)

WATERBORNE PAVEMENT MARKING PAINT TYPE P BEADS				
LOG MILE	LOG MILE	4" YELLOW LIN. FT.	4" WHITE LIN. FT.	REMARKS
0.000	0.065	686		DOUBLE YELLOW CENTERLINE
0.065	3.699	4797		INTERMITTENT CENTERLINE
3.699	3.866	1102		WBL SOLID/ EBL INTERMITTENT
3.866	4.001	1426		DOUBLE YELLOW CENTERLINE
0.000	4.001		42251	EDGE LINES
TOTAL		8,011	42,251	

SEAL COAT QUANTITIES						
LOG MILE	LOG MILE	NET LENGTH MILES	AVERAGE WIDTH (FT)	SEAL COAT GRADE B2 (S.Y.)	EMULSIFIED ASPHALT SEAL COAT (GAL.)	REMARKS
0.000	0.016	0.016	VARIES	570.00	159.60	
0.016	1.177	1.161	32	21795.84	6102.84	
1.177	1.237	0.060	22	774.40	216.83	
1.237	2.836	1.599	20	18761.60	5253.25	
2.836	3.983	1.147	24	16149.76	4521.93	
3.983	4.001	0.018	VARIES	546.00	152.88	
TOTAL				58,597.60	16,407.33	
USE				58,598	16,408	

FOR INFORMATION ONLY

SEAL COAT GRADE	A1	A2	B1	B2	C
TARGET BINDER APPLICATION RATE, GAL/SY	0.38	0.28	0.38	0.28	0.38

COVER AGGREGATE	
LIGHT WEIGHT AGGREGATE	12 LB/ SY
LIMESTONE	17 LB/ SY
PORPHYRY	22 LB/ SY

MOBILIZATION
QUANTITY
1 LUMP SUM

* ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 4 OF 6 AND AS DIRECTED BY ENGINEER.

NOTE:
REFER TO STANDARD PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY SHEET
SHEET 1 OF 1

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

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

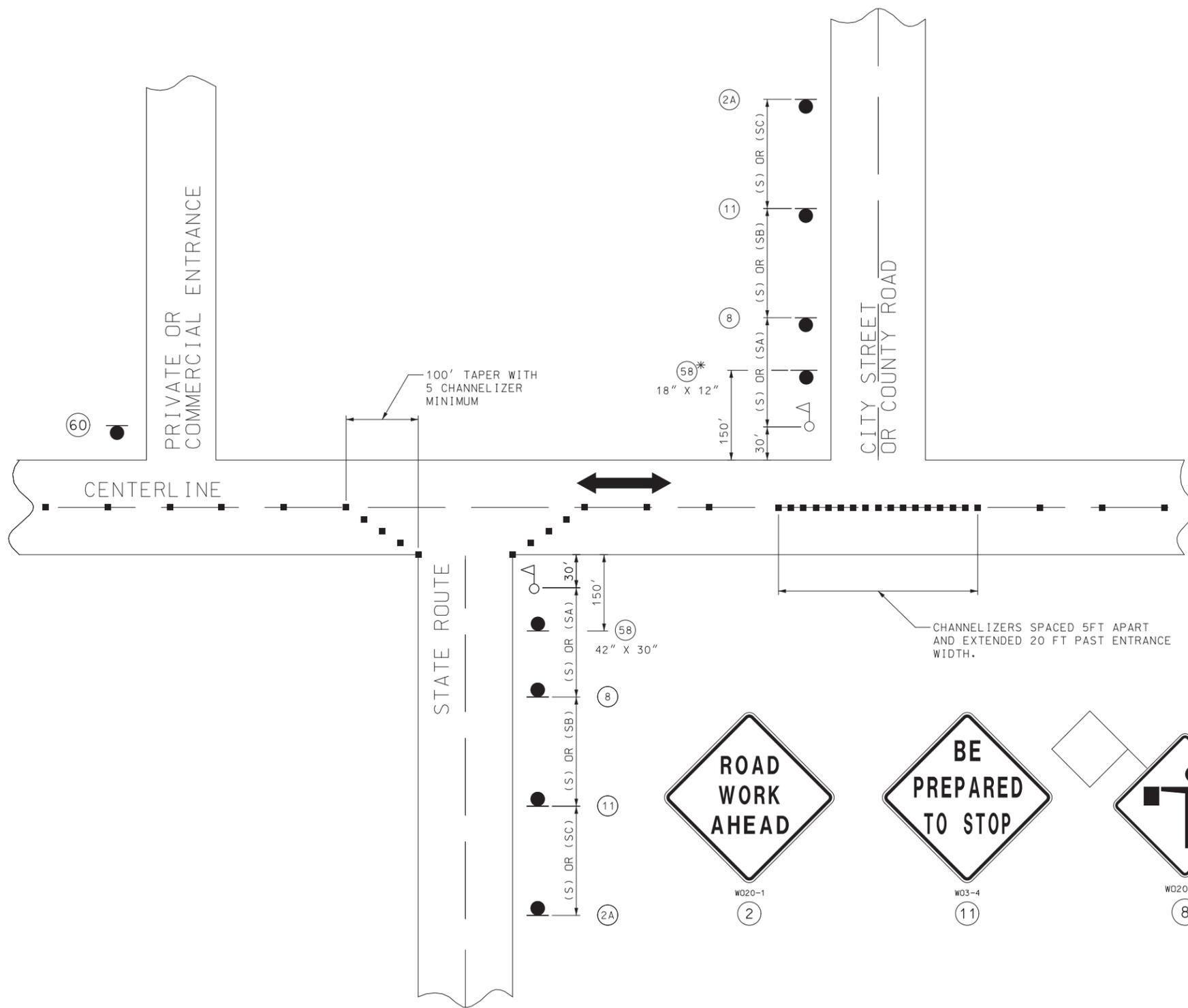
DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

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



SIDE ROADS ENTERING WORK ZONES

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

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

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE STATE
W MO

DISTRICT SHEET NO.
NE 8

COUNTY
MONROE/RALLS

JOB NO.
J2S3205

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DESCRIPTION

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 6
 NOT TO SCALE

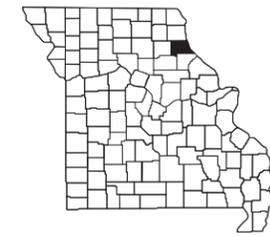
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.
 REV.

DESIGN DESIGNATION

A.A.D.T - 2021 = 3,583
V = 55 M.P.H

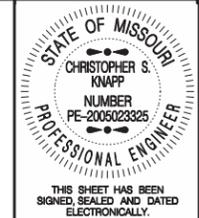
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY MARION COUNTY

PROJECT LOCATION



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (2 SHEETS)-----	3
TRAFFIC CONTROL SHEETS (TC)-----	4-10



DATE PREPARED
7/30/2020

ROUTE STATE
W/O.R. MO

DISTRICT SHEET NO.
NE 1

COUNTY
MARION

JOB NO.
J2S3209

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

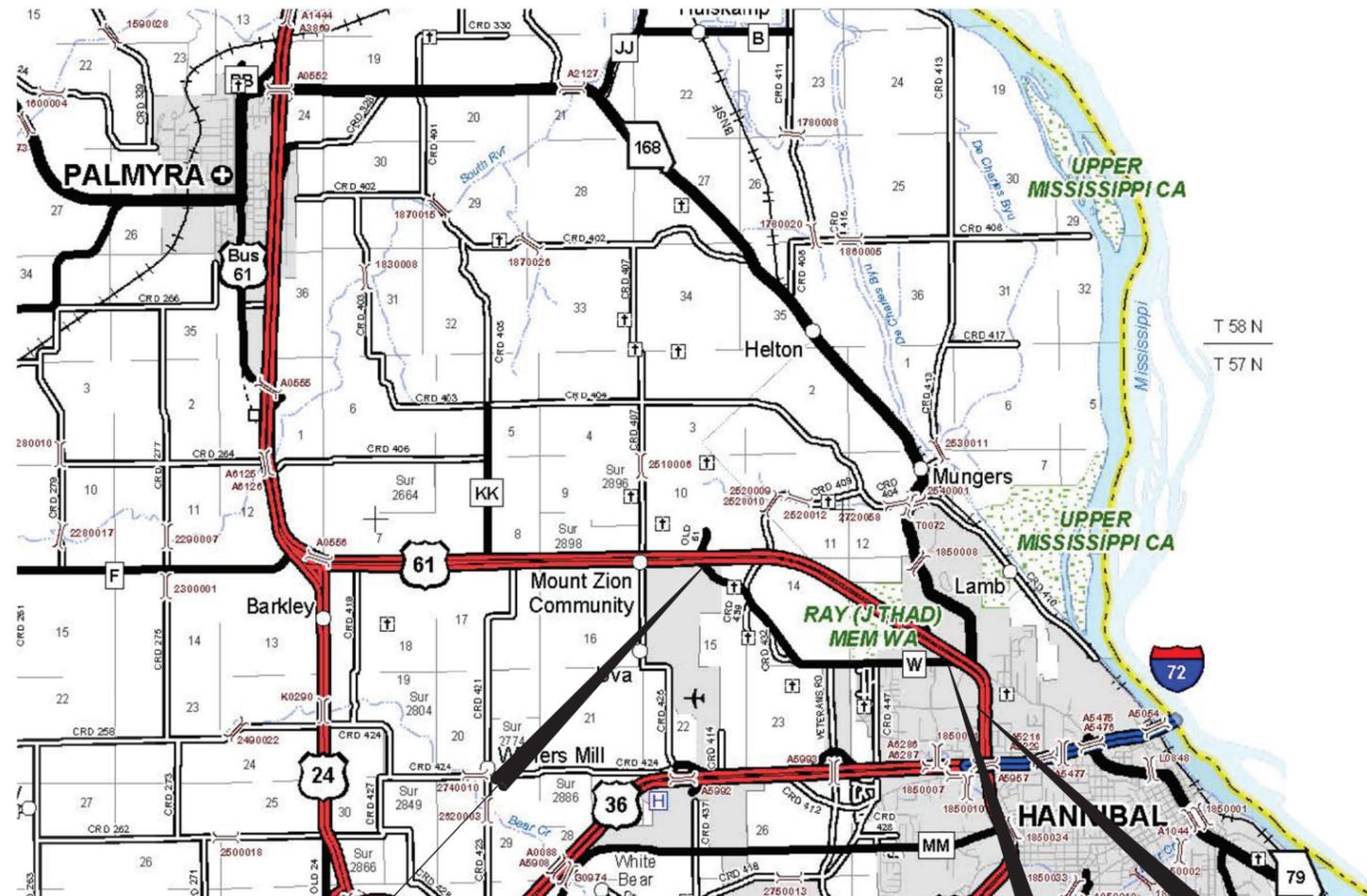
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

LENGTH OF PROJECT

RTE. W		
BEGINNING OF PROJECT	LOG MILE	0.021
END OF PROJECT	LOG MILE	3.015
OUTER RTE. 61		
BEGINNING OF PROJECT	LOG MILE	0.000
END OF PROJECT	LOG MILE	0.311
APPARENT LENGTH		3.305 MILES
EQUATIONS AND EXCEPTIONS:		NONE
TOTAL CORRECTIONS		NONE
NET LENGTH OF PROJECT		3.305 MILES
STATE LENGTH		3.305 MILES



BEGIN PROJECT (RTE W)
LOG MILE 0.021

RTE. W
PROJECT LIMITS

END PROJECT (OUTER RD)
LOG MILE 0.311

O.R.
PROJECT LIMITS

BEGIN OUTER RD
LOG MILE 0.000

END RTE W
LOG MILE 3.015

SEAL COAT GRADE A2
LENGTH 3.305 MILES



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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SUMMARY OF QUANTITIES



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE STATE
W/O.R. MO

DISTRICT SHEET NO.
NE 3

COUNTY
MARION

JOB NO.
J2S3209

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 4 MILES
2 *	W020-1	48 X 48	16.00	6	96.00	ROAD WORK AHEAD
4	R2-1	36 X 48	12.00	2	24.00	SPEED LIMIT 55
5	W020-5	48 X 48	16.00	2	32.00	RIGHT LANE CLOSED AHEAD
6	W020-6a	48 X 48	16.00	1	16.00	RIGHT LANE CLOSED
7	W020-4	48 X 48	16.00	4	64.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL) WITH FLAGS
12		48 X 48	16.00	1	16.00	MERGE (ARROW SYMBOL)
25	R2-1	36 X 48	12.00	2	24.00	SPEED LIMIT 65
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	4	64.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
54	G020-5aP	36 X 24	6.00	6	36.00	WORK ZONE (PLAQUE)
56	CONST-7	48 X 24	8.00	2	16.00	RATE OUR WORK ZONE
57	W08-7a	36 X 36	9.00	8	72.00	FRESH OIL LOOSE GRAVEL
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE						
2A *	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	-	-	PILOT CAR IN USE WAIT & FOLLOW
TOTAL			49.50	13	643.50	MISC. STREETS AND CO. RDS.
SIDE ROAD PACKAGE - STATE ROUTE						
2A *	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	-	-	PILOT CAR IN USE WAIT & FOLLOW
TOTAL			56.75	0	0.00	STATE ROUTES
(616-10.05) CONSTRUCTION SIGNS TOTAL					1249.76	
(616-10.05) CONSTRUCTION SIGNS TOTAL (USE)					1250	

ITEM NO.	QTY.	DESCRIPTION
6161009	6	FLAG ASSEMBLY
6161025	75	CHANNELIZERS (TRIM-LINE)
6161033	18	DIRECTION INDICATOR BARRICADE
6161040	1	FLASHING ARROW PANEL
6123000A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)

* ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 5 OF 7 AND AS DIRECTED BY ENGINEER.

FOR INFORMATION ONLY

SEAL COAT GRADE	A1	A2	B1	B2	C
TARGET BINDER APPLICATION RATE, GAL/SY	0.38	0.28	0.38	0.28	0.38

COVER AGGREGATE	
LIGHT WEIGHT AGGREGATE	12 LB/ SY
LIMESTONE	17 LB/ SY
PORPHYRY	22 LB/ SY

SEAL COAT QUANTITIES						
LOG MILE	LOG MILE	LOCATION	AVERAGE WIDTH (FT)	SEAL COAT AGGR. GRADE A2 (S.Y.)	EMULSIFIED ASPHALT SEAL COAT (GAL.)	REMARKS
0.021	2.940	RTE W	24	41149.52	11521.87	INCLUDES 50 S.Y. FOR RADII SEALING
2.940	3.015	RTE W	VARIES	1630.00	456.40	RTE W/61 OR/DIAMOND BLVD INTERSECTION
0.000	0.076	OUTER ROAD 61	VARIES	1810.00	506.80	RTE W/61 OR/DIAMOND BLVD INTERSECTION
0.076	0.311	OUTER ROAD 61	22	3033.07	849.26	
TOTAL				47622.59	13334.33	
USE				47623	13335	

NOTE: EMULSIFIED ASPHALT = 0.28 GAL./SQ. YDS.

MOBILIZATION
QUANTITY
1 LUMP SUM

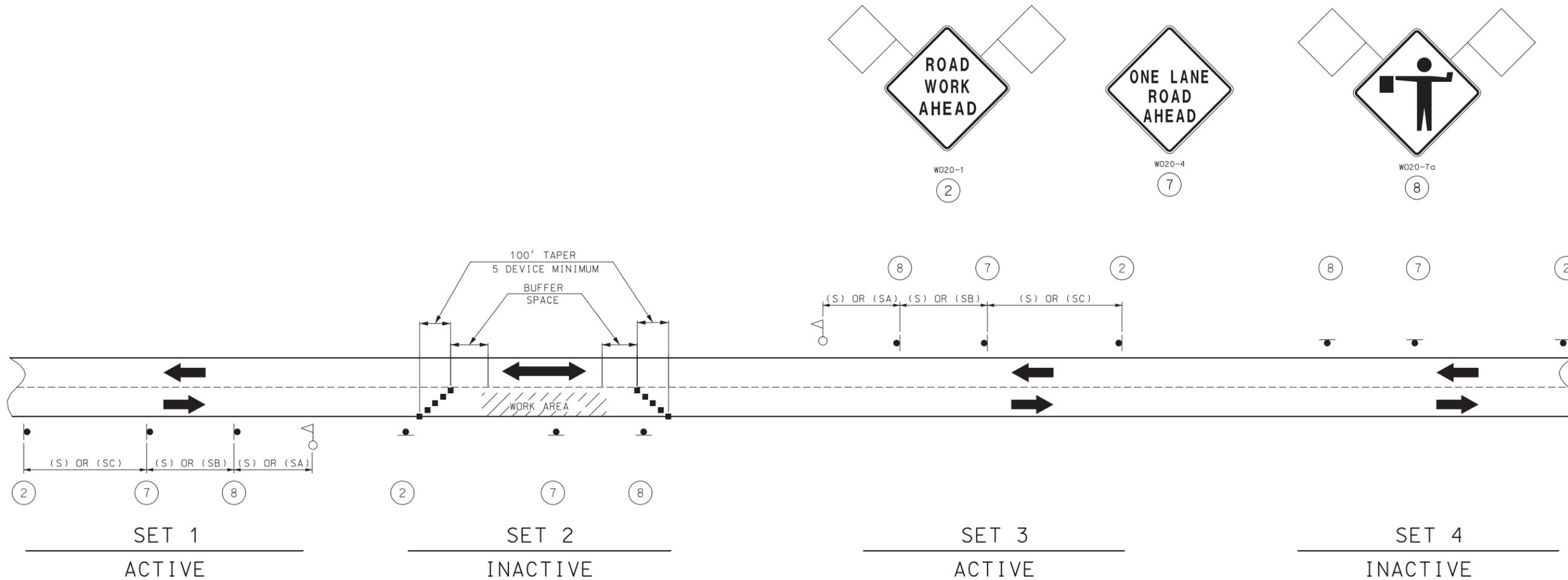
NOTE: REFER TO STANDARD PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



SUMMARY SHEET
SHEET 1 OF 2

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



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.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7a WHICH IS SUBSIDIARY TO THE SIGN.

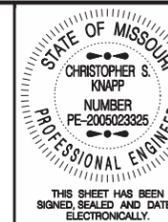
SPEED	SIGN SPACING (FT.) (1)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

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.



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/30/2020

ROUTE STATE

W/O.R. MO

DISTRICT SHEET NO.

NE 7

COUNTY

MARION

JOB NO.

J2S3209

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

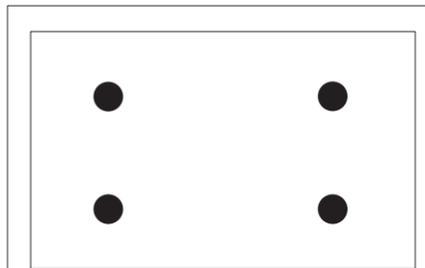
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL FOR
ADDITIONAL SWEEPING
OPERATIONS
SHEET 4 OF 7
NOT TO SCALE

REV.



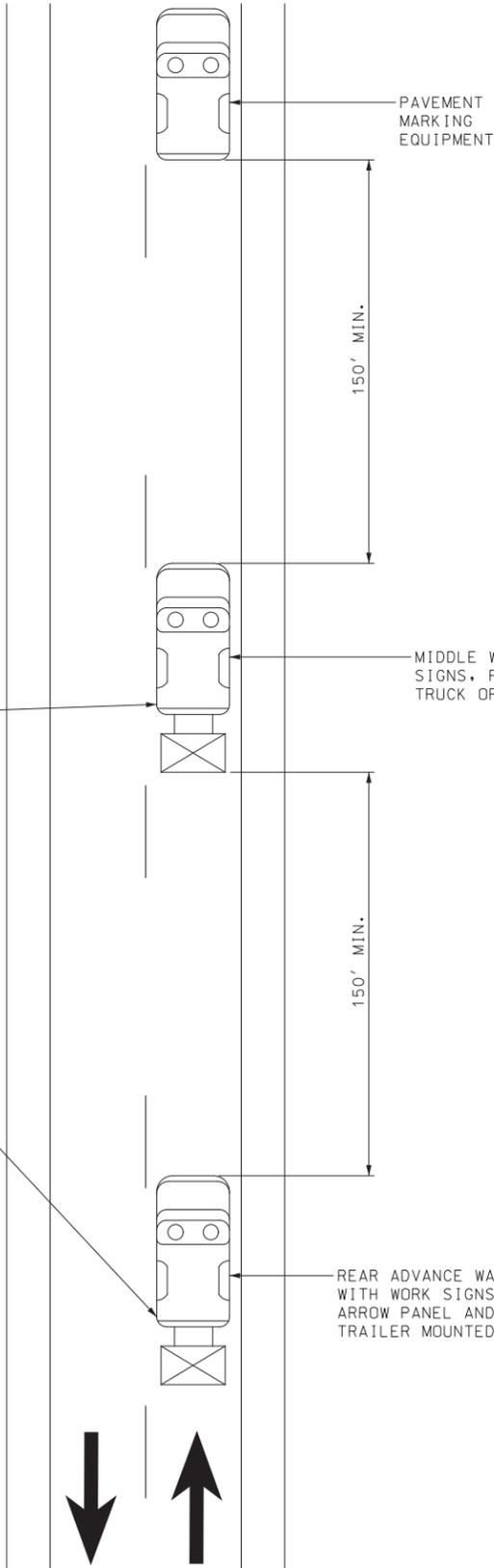
FLASHING ARROW PANEL
- CAUTION MODE



W020-4
48" X 48"



G022-1 (2)



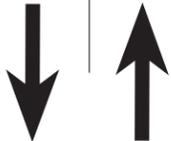
PAVEMENT MARKING EQUIPMENT

150' MIN.

MIDDLE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR. (1)

150' MIN.

REAR ADVANCE WARNING TRUCK WITH WORK SIGNS, FLASHING ARROW PANEL AND TRUCK OR TRAILER MOUNTED ATTENUATOR. (3)



CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

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.



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE STATE
W/O.R. MO

DISTRICT SHEET NO.
NE 10

COUNTY
MARION

JOB NO.
J2S3209

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-276-6636)

TRAFFIC CONTROL
SHEET 7 OF 7
NOT TO SCALE

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

DESIGN DESIGNATION

A.A.D.T - 2020 = 530

V = 55 M.P.H.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY MARION COUNTY

NORTHEAST DISTRICT
MARION CO.



INDEX OF SHEETS

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

7/29/2020

ROUTE STATE

A MO

DISTRICT SHEET NO.

NE 1

COUNTY

MARION

JOB NO.

J2S3229

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

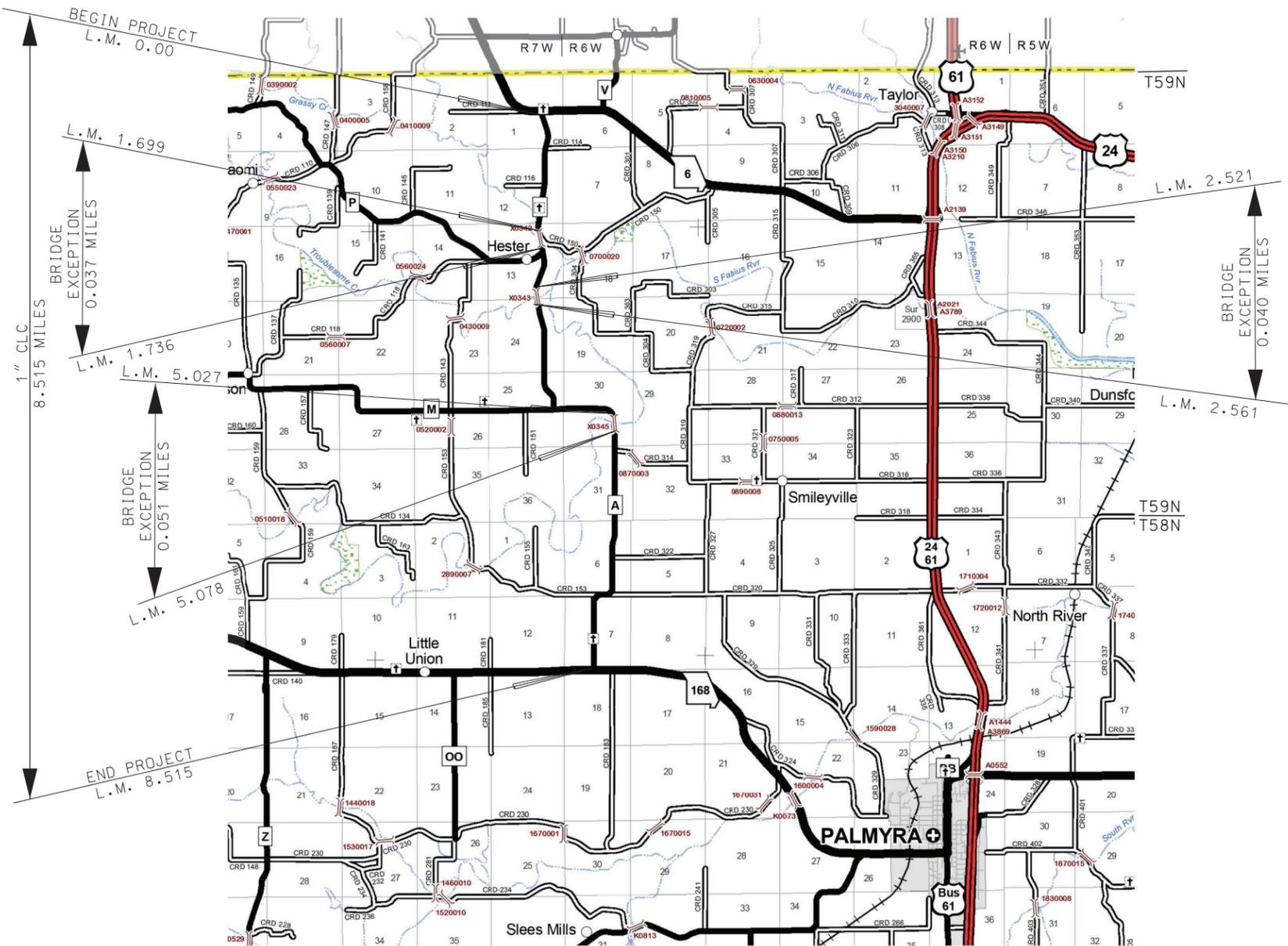
105 WEST CAPITOL

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.

REV.



LENGTH OF PROJECT

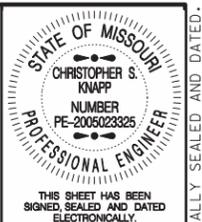
BEGINNING OF PROJECT	L.M. 0.00
END OF PROJECT	L.M. 8.515
APPARENT LENGTH	8.515 MILES
EQUATIONS AND EXCEPTIONS:	
BRIDGE EXCEPTION	0.037 MILES
BRIDGE EXCEPTION	0.040 MILES
BRIDGE EXCEPTION	0.051 MILES

TOTAL CORRECTIONS	0.128 MILES
NET LENGTH OF PROJECT	8.387 MILES
STATE LENGTH	8.387 MILES

TTTITLESHEET

1" BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22										
LOG MILE	LOG MILE	LENGTH (FEET)	WIDTH (FEET)	THICKNESS (INCHES)	SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK 0.08 GAL/SQ.YD. (GAL)	1" COLDMILL (SY)	MODIFIED COLDMILLING (SY)	0.039 T/SY/IN GRAVEL A OR CRUSHED STONE B (TONS)	REMARKS
0	0.011	60	VARIES	1	15.3	23	283	-	-	BEGIN PROJECT / HWY 6 APPROACH
0.011	0.015	50	20	1	6.0	9	-	111	-	DEPTH TRANSITION
0.015	1.695	8870.4	20	1	1,062.4	1,577	-	-	-	
1.695	1.699	50	20	1	6.0	9	-	111	-	DEPTH TRANSITION
1.699	1.734	184.8	20	-	-	-	-	-	-	BRIDGE EXCEPTION
1.734	1.738	50	20	1	6.0	9	-	111	-	DEPTH TRANSITION
1.738	2.517	4113.12	20	1	492.6	731	-	-	-	
2.517	2.521	50	20	1	6.0	9	-	111	-	DEPTH TRANSITION
2.521	2.561	211.2	20	-	-	-	-	-	-	BRIDGE EXCEPTION
2.561	2.565	50	20	1	6.0	9	-	111	-	DEPTH TRANSITION
2.565	4.084	8020.32	20	1	960.6	1,426	-	-	-	
4.084	4.103	VARIES	20	1	24.6	36	-	-	-	RTE M INTERSECTION
-	-	50	20	1	6.0	9	-	111	-	RTE M DEPTH TRANSITION
4.103	5.023	4857.6	20	1	581.8	864	-	-	-	
5.023	5.027	50	20	1	6.0	9	-	111	-	DEPTH TRANSITION
5.027	5.078	269.28	20	-	-	-	-	-	-	BRIDGE EXCEPTION
5.078	5.082	50	20	1	6.0	9	-	111	-	DEPTH TRANSITION
5.082	8.492	18004.8	20	1	2,156.4	3,201	-	-	-	
8.492	8.496	50	20	1	6.0	9	-	111	-	DEPTH TRANSITION
8.496	8.515	60	VARIES	1	15.4	23	286	-	-	END PROJECT / HWY 168 APPROACH
0	8.515	44959.2	1.5	3	1,198.4	-	-	-	-	SIDESLOPE IRREGULARITIES & SAFETY EDGE (BOTH SHLDRS)
				SUB-TOTAL	6,561.5	7,962.0	569.0	999.0	0.0	
					-	-	-	-	81	AGGREGATE ENTRANCES
					11.3	16.9	-	211	-	ASPHALT ENTRANCES
					851.5	-	-	-	-	100 TONS PER MILE IRREGULARITIES
				TOTAL	7,424.3	7,979.0	569.0	1,210.0	81.0	

Mobilization
1 LUMP SUM



DATE PREPARED
7/29/2020
ROUTE A STATE MO
DISTRICT NE SHEET NO. 3
COUNTY MARION
JOB NO. J2S3229
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

PERMANENT PAVEMENT MARKING STANDARD WATERBORNE PAINT						
LOG MILE	LOG MILE	LENGTH MILES	CENTERLINE TYPE	CENTERLINE 4" YELLOW LIN. FT.	EDGE LINE 4" WHITE LIN. FT.	REMARKS
0	0.070	0.070	-	-	-	-
0.070	0.679	0.609	DOUBLE SOLID	6,431.0	6,431.0	CENTERLINE/EDGE LINE
0.679	0.758	0.079	SOLID/INTERMITTENT	521.4	834.2	CENTERLINE/EDGE LINE
0.758	0.858	0.100	DOUBLE SOLID	1,056.0	1,056.0	CENTERLINE/EDGE LINE
0.858	1.300	0.442	SOLID/INTERMITTENT	2,917.2	4,667.5	CENTERLINE/EDGE LINE
1.300	1.599	0.299	DOUBLE SOLID	3,157.4	3,157.4	CENTERLINE/EDGE LINE
1.599	1.719	0.120	SOLID/INTERMITTENT	792.0	1,267.2	CENTERLINE/EDGE LINE
1.719	1.759	0.040	DOUBLE SOLID	422.4	422.4	CENTERLINE/EDGE LINE
1.759	1.879	0.120	SOLID/INTERMITTENT	792.0	1,267.2	CENTERLINE/EDGE LINE
1.879	2.120	0.241	DOUBLE SOLID	2,545.0	2,545.0	CENTERLINE/EDGE LINE
2.120	2.200	0.080	SOLID/INTERMITTENT	528.0	844.8	CENTERLINE/EDGE LINE
2.200	2.299	0.099	DOUBLE SOLID	1,045.4	1,045.4	CENTERLINE/EDGE LINE
2.299	2.379	0.080	SOLID/INTERMITTENT	528.0	844.8	CENTERLINE/EDGE LINE
2.379	2.418	0.039	DOUBLE SOLID	411.8	411.8	CENTERLINE/EDGE LINE
2.418	2.558	0.140	SOLID/INTERMITTENT	924.0	1,478.4	CENTERLINE/EDGE LINE
2.558	2.578	0.020	DOUBLE SOLID	211.2	211.2	CENTERLINE/EDGE LINE
2.578	2.717	0.139	SOLID/INTERMITTENT	917.4	1,467.8	CENTERLINE/EDGE LINE
2.717	3.056	0.339	DOUBLE SOLID	3,579.8	3,579.8	CENTERLINE/EDGE LINE
3.056	3.217	0.161	SOLID/INTERMITTENT	1,062.6	1,700.2	CENTERLINE/EDGE LINE
3.217	3.376	0.159	INTERMITTENT	209.9	1,679.0	CENTERLINE/EDGE LINE
3.376	3.536	0.160	SOLID/INTERMITTENT	1,056.0	1,689.6	CENTERLINE/EDGE LINE
3.536	4.337	0.801	DOUBLE SOLID	8,458.6	8,458.6	CENTERLINE/EDGE LINE
4.337	4.517	0.180	SOLID/INTERMITTENT	1,188.0	1,900.8	CENTERLINE/EDGE LINE
4.517	4.617	0.100	INTERMITTENT	132.0	1,056.0	CENTERLINE/EDGE LINE
4.617	4.777	0.160	SOLID/INTERMITTENT	1,056.0	1,689.6	CENTERLINE/EDGE LINE
4.777	5.317	0.540	DOUBLE SOLID	5,702.4	5,702.4	CENTERLINE/EDGE LINE
5.317	5.497	0.180	SOLID/INTERMITTENT	1,188.0	1,900.8	CENTERLINE/EDGE LINE
5.497	5.996	0.499	DOUBLE SOLID	5,269.4	5,269.4	CENTERLINE/EDGE LINE
5.996	6.156	0.160	SOLID/INTERMITTENT	1,056.0	1,689.6	CENTERLINE/EDGE LINE
6.156	6.176	0.020	INTERMITTENT	26.4	211.2	CENTERLINE/EDGE LINE
6.176	6.355	0.179	SOLID/INTERMITTENT	1,181.4	1,890.2	CENTERLINE/EDGE LINE
6.355	6.676	0.321	DOUBLE SOLID	3,389.8	3,389.8	CENTERLINE/EDGE LINE
6.676	6.855	0.179	SOLID/INTERMITTENT	1,181.4	1,890.2	CENTERLINE/EDGE LINE
6.855	6.935	0.080	INTERMITTENT	105.6	844.8	CENTERLINE/EDGE LINE
6.935	7.095	0.160	SOLID/INTERMITTENT	1,056.0	1,689.6	CENTERLINE/EDGE LINE
7.095	7.597	0.502	DOUBLE SOLID	5,301.1	5,301.1	CENTERLINE/EDGE LINE
7.597	7.677	0.080	SOLID/INTERMITTENT	528.0	844.8	CENTERLINE/EDGE LINE
7.677	7.756	0.079	DOUBLE SOLID	834.2	834.2	CENTERLINE/EDGE LINE
7.756	7.836	0.080	SOLID/INTERMITTENT	528.0	844.8	CENTERLINE/EDGE LINE
7.836	7.856	0.020	INTERMITTENT	26.4	211.2	CENTERLINE/EDGE LINE
7.856	7.976	0.120	SOLID/INTERMITTENT	792.0	1,267.2	CENTERLINE/EDGE LINE
7.976	8.096	0.120	DOUBLE SOLID	1,267.2	1,267.2	CENTERLINE/EDGE LINE
8.096	8.156	0.060	INTERMITTENT	79.2	633.6	CENTERLINE/EDGE LINE
8.156	8.416	0.260	SOLID/INTERMITTENT	1,716.0	2,745.6	CENTERLINE/EDGE LINE
8.416	8.515	0.099	DOUBLE SOLID	1,045.4	1,045.4	CENTERLINE/EDGE LINE
			STRIPING QUANTITIES ARE APPROXIMATE			
			TOTAL	72,217.0	89,179.0	

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1 *	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 9 MILES
2 **	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	0	0.00	BE PREPARED TO STOP
26	G020-2	48 X 24	8.00	3	24.00	END ROAD WORK
35	W08-12	48 X 48	16.00	11	176.00	NO CENTER LINE
36	W08-11	48 X 48	16.00	19	304.00	UNEVEN LANES
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	2	16.00	RATE OUR WORK ZONE
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
60	SPECIAL	18 X 12	1.50	23	-	PILOT CAR IN USE WAIT & FOLLOW (DRIVEWAYS)
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE						
2A **	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	-	-	PILOT CAR IN USE WAIT & FOLLOW
	TOTAL		49.50	4	198.00	MISC. STREETS AND CO. RDS.
SIDE ROAD PACKAGE - STATE ROUTE						
2A **	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	-	-	PILOT CAR IN USE WAIT & FOLLOW
	TOTAL		56.75	2	113.50	STATE RTES. - P, M
(616-10.05) CONSTRUCTION SIGNS TOTAL					1121.76	
(616-10.05) CONSTRUCTION SIGNS TOTAL (USE)					1122	

* IF LESS THAN TWO (2) MILES, DELETE SIGN NO. 1.

** ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 4 OF 5 AND AS DIRECTED BY ENGINEER.

NOTE:
REFER TO STANDARD PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

ITEM NO.	QTY.	DESCRIPTION
612-30.00A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
616-10.08	4	FLAG ASSEMBLY
616-10.25	100	CHANNELIZERS (TRIM-LINE)

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITIES
SHEET 1 OF 1

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/29/2020

ROUTE STATE
A MO
DISTRICT SHEET NO.
NE 5

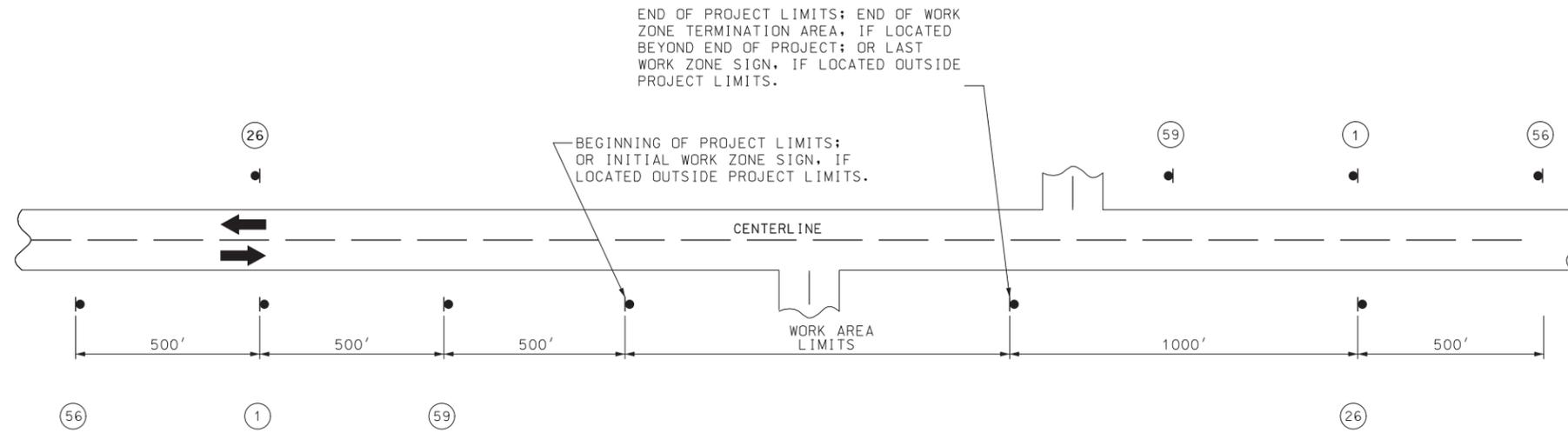
COUNTY
MARION

JOB NO.
J2S3229

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



NOTES:

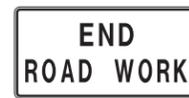
SIGN 1 AND 26 ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

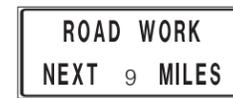
DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



CONST-7-48
56



G020-2
26



G020-1
1



CONST-8
59

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 1 OF 5

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

REV.

MOBILIZATION
1 LUMP SUM

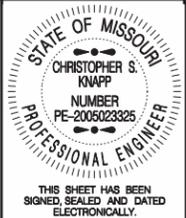
ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1) =	1.948 TON/CY
TACK COAT (COLDMILLED SURFACE) =	0.10 GAL/SY
TACK COAT =	0.08 GAL/SY
GRAVEL (A) OR CRUSHED STONE (B) =	0.039 TON/SY/INCH

PAVED ENTRANCES										
LOG MILE	LOCATION	ENTRANCE TYPE	MATL.	AREA (SY)	ENT. WIDTH (FT)	BP-1 OVERLAY 1.948 TON/CY (TON)	MODIFIED COLDMILLING (SY)	TACK 0.08 GAL/SY (GAL)	TACK (COLDMILLED SURFACE) 0.10 GAL/SY (GAL)	REMARKS
1.658	NBL	PD	ASPH	37		3.50	37.0		3.7	
3.541	NBL	HWY	ASPH	346	20.3	34.90	22.6	27.7	2.3	RTE HH
8.730	SBL	HWY	ASPH	256	22.0	26.55	24.4	20.5	2.4	RTE A
8.730	NBL	HWY	ASPH	242	22.0	25.23	24.4	19.4	2.4	RTE A
11.620	SBL	PD	ASPH	29		2.75	29.0		2.9	
SUBTOTAL						92.93	137.4	68	14	
TOTAL						92.9	137		82	

COLDMILLING BITUMINOUS PAVEMENT (3 IN. THICK OR LESS)							
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SY)	1.75" COLDMILL (SY)	REMARKS
0.016	0.024		1.75		152.44	152.4	US 36 INTERSECTION - SEE SS # 2
13.233	13.505	1436.16	1.75	22	3510.61	3510.6	
13.505	13.665	844.80	1.75	22	2065.07	2065.1	
13.505	13.561	295.68	1.75	10	328.53	328.5	CENTER PARKING AND SHOULDER AREAS
13.561	13.592	163.68	1.75	23	418.29	418.3	CENTER PARKING AND SHOULDER AREAS
13.592	13.665	385.44	1.75	28	1199.15	1199.2	CENTER PARKING AND SHOULDER AREAS
TOTAL						7674	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)							
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SY)	MODIFIED COLDMILLING (SY)	REMARKS
0.024	0.041	87.50	1.75	20	194.44	194.4	DEPTH TRANSITION AT BEGINNING OF PROJECT
0.998	1.015	87.50	1.75	20	194.44	194.4	
1.017	1.034	87.50	1.75	20	194.44	194.4	DEPTH TRANSITION AT NORFOLK SOUTHERN RR, SEE SS # 3
7.463	7.480	87.50	1.75	20	194.44	194.4	DEPTH TRANSITION AT BRIDGE R0434
7.586	7.603	87.50	1.75	20	194.44	194.4	DEPTH TRANSITION AT BRIDGE R0434
13.216	13.233	87.50	1.75	22	213.89	213.9	DEPTH TRANSITION - CENTER, MO
TOTAL						1186	

1 3/4" OVERLAY BP-1 PG64-22									
LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SY)	BP - 1 SURFACE LEVELING 1.948 TON/CY (TONS)	TACK 0.08 GAL/SY (GAL)	TACK (COLDMILLED SURFACE) 0.10 GAL/SY (GAL)	REMARKS
0.016	0.024		1.75	VARIES	152.44	14.44		15.2	US 36 INTERSECTION - SEE SS # 2
0.024	1.015	5232.48	1.75	20	11627.73	1101.08		1162.8	NORFOLK SOUTHERN RR, SEE SS # 3
1.017	7.480	34124.64	1.75	20	75832.53	7180.92		7583.3	BRIDGE R0434
1.790	1.960		1.75	VARIES	99.55	9.43	8.0		SBL CURVE WIDENING
5.498	5.642		1.75	VARIES	84.48	8.00	6.8		SBL CURVE WIDENING
7.586	8.740	6093.12	1.75	20	13540.27	1282.19		1354.0	
7.766	7.845		1.75	VARIES	46.35	4.39	3.7		NBL CURVE WIDENING
8.004	8.069		1.75	VARIES	37.95	3.59	3.0		NBL CURVE WIDENING
8.740	13.665	26004.00	1.75	22	63565.33	6019.28	5085.2		LANE WIDTH CHANGE AFTER RTE A
9.222	9.283		1.75	VARIES	322.08	30.50	25.8		SBL CURVE WIDENING
9.294	9.379		1.75	VARIES	446.88	42.32	35.8		NBL CURVE WIDENING
9.376	9.467		1.75	VARIES	482.16	45.66	38.6		SBL CURVE WIDENING
12.587	12.651		1.75	VARIES	337.36	31.95	27.0		SBL CURVE WIDENING
13.505	13.557	274.56	1.75	10	305.07	28.89		30.5	CENTER PARKING AND SHOULDER AREAS
13.557	13.578	110.88	1.75	VARIES	211.78	20.05		21.2	CENTER PARKING AND SHOULDER AREAS
13.578	13.665	459.36	1.75	28	1429.12	135.33		142.9	CENTER PARKING AND SHOULDER AREAS
-	-	-	-	-	-	-		-	
0.016	13.233					1321.70			ADDTL. 100 TONS/MILE FOR SURFACE IRREGULARITIES
0.016	1.015					182.35	93.77		LT & RT EDGE TREATMENT
1.017	7.480					1177.32	605.42		LT & RT EDGE TREATMENT
7.586	13.233					1026.19	527.71		LT & RT EDGE TREATMENT
SUBTOTAL						19665.58	6460.8	10309.9	
TOTAL						19665.6		16771	



DATE PREPARED
7/30/2020
ROUTE H STATE MO
DISTRICT NE SHEET NO. 3
COUNTY MARION/RALLS
JOB NO. J2S3302
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

QUANTITIES SHEET 1 OF 4

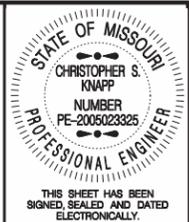
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS							
LOG MILE	LOG MILE	LENGTH (FT)	4" YELLOW INTERMITTENT (LF)	4" YELLOW SOLID/INTERMITTENT (LF)	4" YELLOW SOLID DOUBLE (LF)	4" WHITE (LF)	REMARKS
0.019	0.067	253.44			506.88		
0.067	0.238	902.88		1128.6			SBL INTERMITTENT AND NBL SOLID
0.238	0.852	3241.92	810.48				
0.852	1.012	844.8		1056			NBL INTERMITTENT AND SBL SOLID
1.022	1.117	501.6		627			SBL INTERMITTENT AND NBL SOLID
1.117	1.185	359.04			718.08		
1.185	1.288	543.84		679.8			NBL INTERMITTENT AND SBL SOLID
1.288	1.366	411.84			823.68		
1.366	1.444	411.84		514.8			SBL INTERMITTENT AND NBL SOLID
1.444	1.542	517.44			1034.88		
1.542	1.614	380.16		475.2			NBL INTERMITTENT AND SBL SOLID
1.614	1.922	1626.24			3252.48		
1.922	2.004	432.96		541.2			SBL INTERMITTENT AND NBL SOLID
2.004	2.093	469.92			939.84		
2.093	2.173	422.4		528			NBL INTERMITTENT AND SBL SOLID
2.173	2.313	739.2			1478.40		
2.313	2.479	876.48		1095.6			SBL INTERMITTENT AND NBL SOLID
2.479	2.624	765.6		957			NBL INTERMITTENT AND SBL SOLID
2.624	2.654	158.4	39.6				
2.654	2.746	485.76		607.2			SBL INTERMITTENT AND NBL SOLID
2.746	2.796	264			528.00		
2.796	2.921	660		825			NBL INTERMITTENT AND SBL SOLID
2.921	6.001	16262.4			32524.80		
6.001	6.167	876.48		1095.6			SBL INTERMITTENT AND NBL SOLID
6.167	6.191	126.72	31.68				
6.191	6.366	924		1155			NBL INTERMITTENT AND SBL SOLID
6.366	6.998	3336.96			6673.92		
6.998	7.092	496.32		620.4			SBL INTERMITTENT AND NBL SOLID
7.092	7.165	385.44			770.88		
7.165	7.264	522.72		653.4			NBL INTERMITTENT AND SBL SOLID
7.264	8.042	4107.84			8215.68		
8.042	8.206	865.92		1082.4			SBL INTERMITTENT AND NBL SOLID
8.206	8.211	26.4			52.80		
8.211	8.364	807.84		1009.8			NBL INTERMITTENT AND SBL SOLID
8.364	8.537	913.44			1826.88		
8.537	8.707	897.6		1122			SBL INTERMITTENT AND NBL SOLID
8.707	8.917	1108.8	277.2				
8.917	9.088	902.88		1128.6			NBL INTERMITTENT AND SBL SOLID
9.088	10.463	7260			14520.00		
10.463	10.634	902.88		1128.6			SBL INTERMITTENT AND NBL SOLID
10.634	10.684	264	66				
10.684	10.803	628.32		785.4			NBL INTERMITTENT AND SBL SOLID
10.803	10.851	253.44	63.36				
10.851	10.974	649.44		811.8			SBL INTERMITTENT AND NBL SOLID
10.974	10.998	126.72	31.68				
10.998	11.173	924		1155			NBL INTERMITTENT AND SBL SOLID
11.173	12.067	4720.32			9440.64		
12.067	12.187	633.6		792			SBL INTERMITTENT AND NBL SOLID
12.187	12.238	269.28			538.56		
12.238	12.354	612.48		765.6			NBL INTERMITTENT AND SBL SOLID
12.354	12.603	1314.72			2629.44		
12.603	12.774	902.88		1128.6			SBL INTERMITTENT AND NBL SOLID
12.774	13.610	4414.08	1103.52				
13.610	13.665	290.4			580.80		
0.019	13.233	69769.92				139539.84	
VARIES	VARIES					-396.8	EDGE LINE EXCEPTIONS FOR STATE ROADS
SUBTOTAL			2423.5	23469.6	87056.6	139143.0	
TOTAL				112950		139143	

LOG MILES ARE APPROXIMATE. MATCH EXISTING STRIPING

PERFORMED THERMOPLASTIC PAVEMENT MARKING					
LOG MILE	LOG MILE	LENGTH (FT)	RAILROAD X-ING	24" PREFORMED WHITE (STOP BAR) (FT)	REMARKS
0.876			1		
1.012				10	
1.022				10	
1.148			1		
13.660				82	
SUBTOTAL			2	102	
TOTAL			2	102	

LOG MILES ARE APPROXIMATE. MATCH EXISTING STRIPING



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE H STATE MO
DISTRICT NE SHEET NO. 3

COUNTY

MARION/RALLS

JOB NO.
J2S3302

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

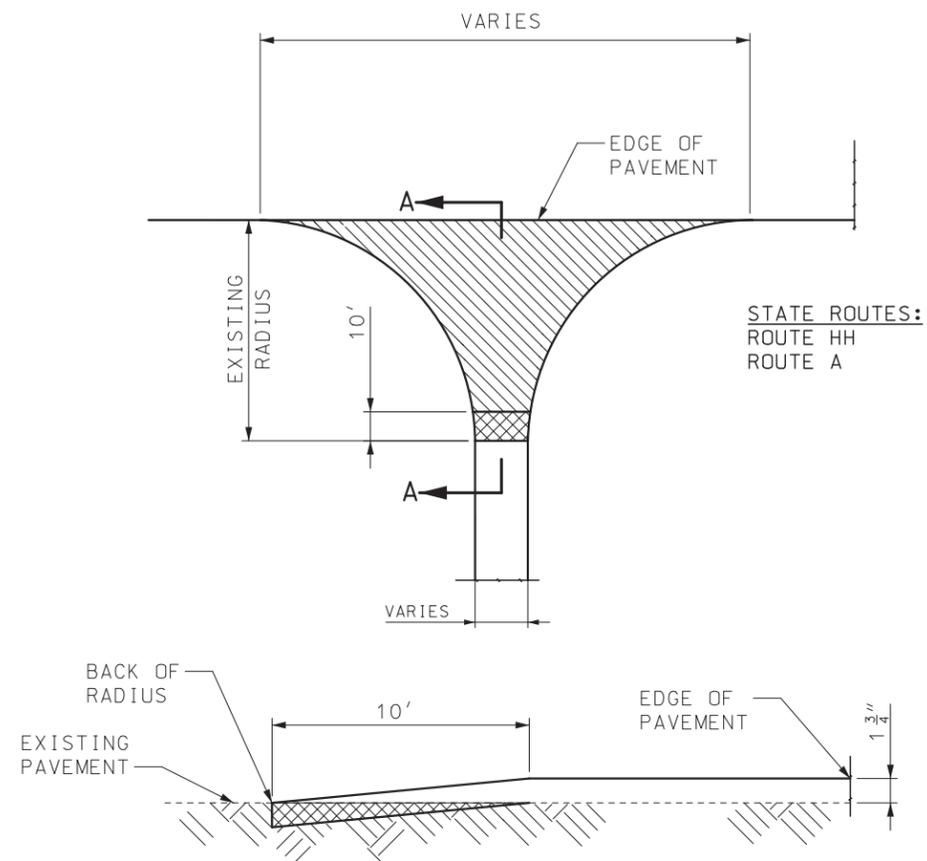
1-888-ASK-MODOT (1-888-278-6636)

MoDOT

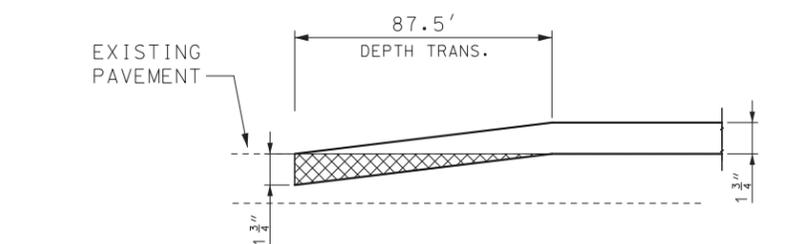
COMMISSION

QUANTITIES SHEET 3 OF 4

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

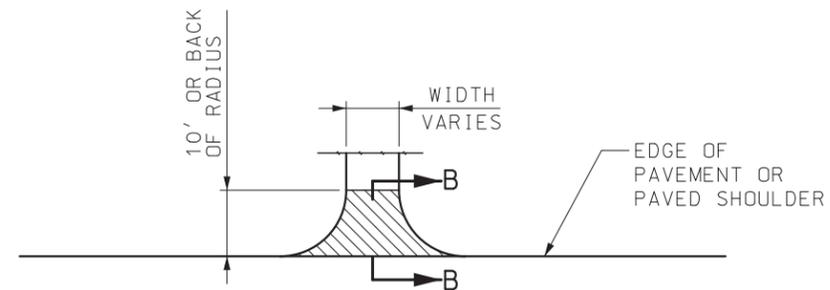


SECTION A-A
TYPICAL STATE ROUTE JUNCTION
(COLDMILLED TRANSITION)

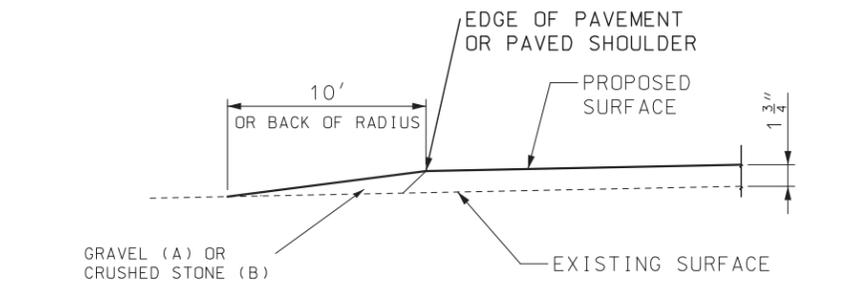


TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT,
AND EXCEPTIONS

-  OVERLAY AREA
-  MODIFIED COLDMILLING FOR DEPTH TRANSITIONS



SECTION B-B
TYPICAL AGGREGATE ENTRANCE
(FIELD, PRIVATE OR COUNTY ROAD)



ALTERNATE SECTION B-B
TYPICAL PAVED ENTRANCE
(COLDMILLED TRANSITION)



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE H STATE MO

DISTRICT NE SHEET NO. 4

COUNTY
MARION/RALLS

JOB NO.
J2S3302

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

SPECIAL SHEET
SHEET 1 OF 4
TRANSITION DETAILS
NOT TO SCALE

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

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

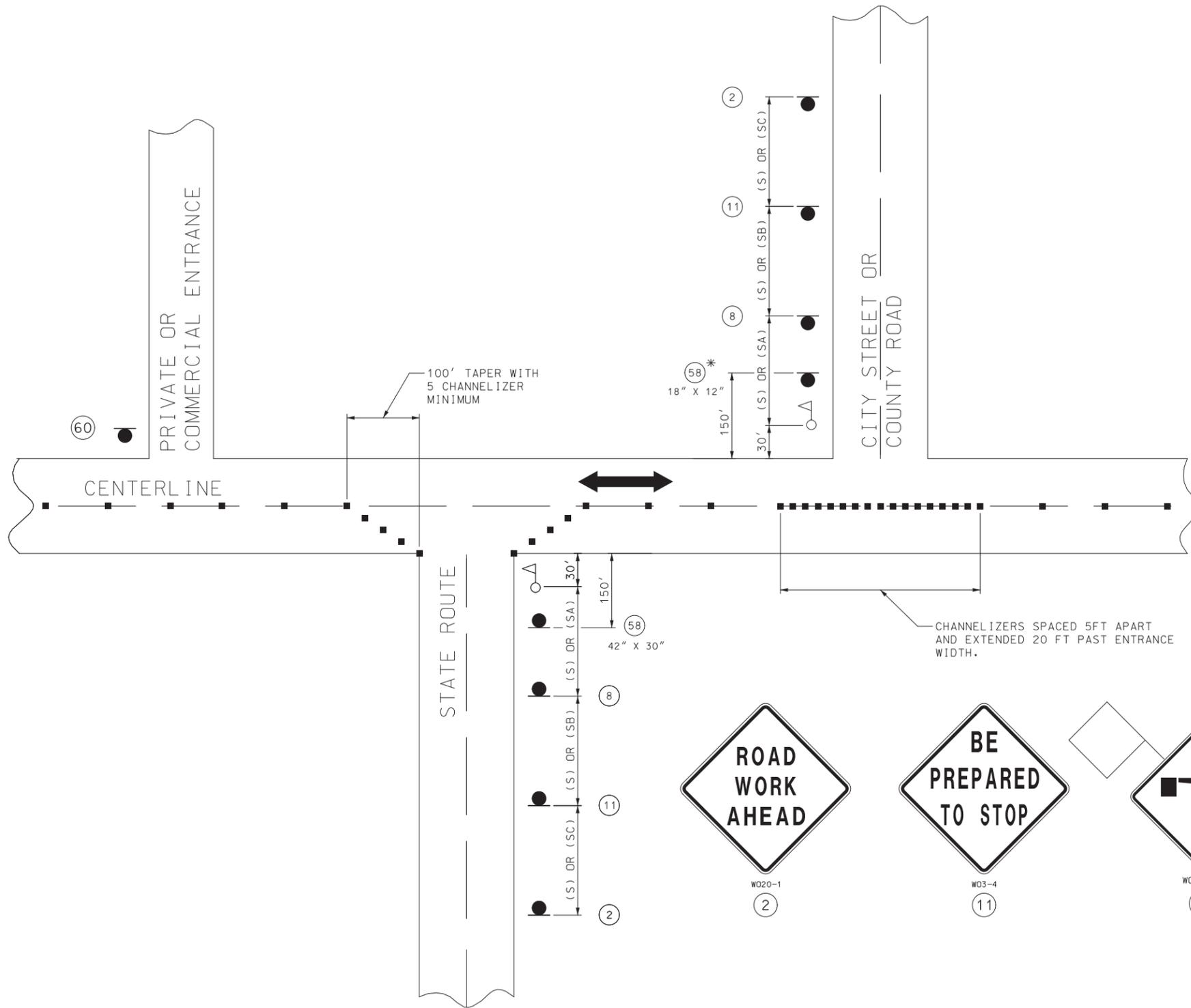
DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

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



SIDE ROADS ENTERING WORK ZONES

TRAFFIC CONTROL SHEET 3 OF 6 NOT TO SCALE



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE STATE
H MO
DISTRICT SHEET NO.
NE 10

COUNTY
MARION/RALLS

JOB NO.
J2S3302
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

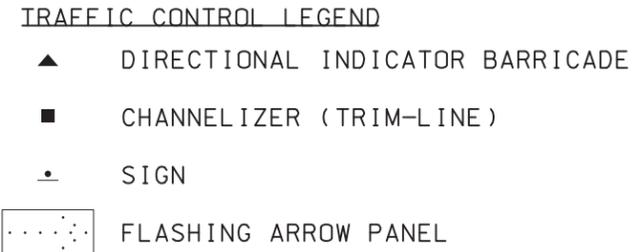
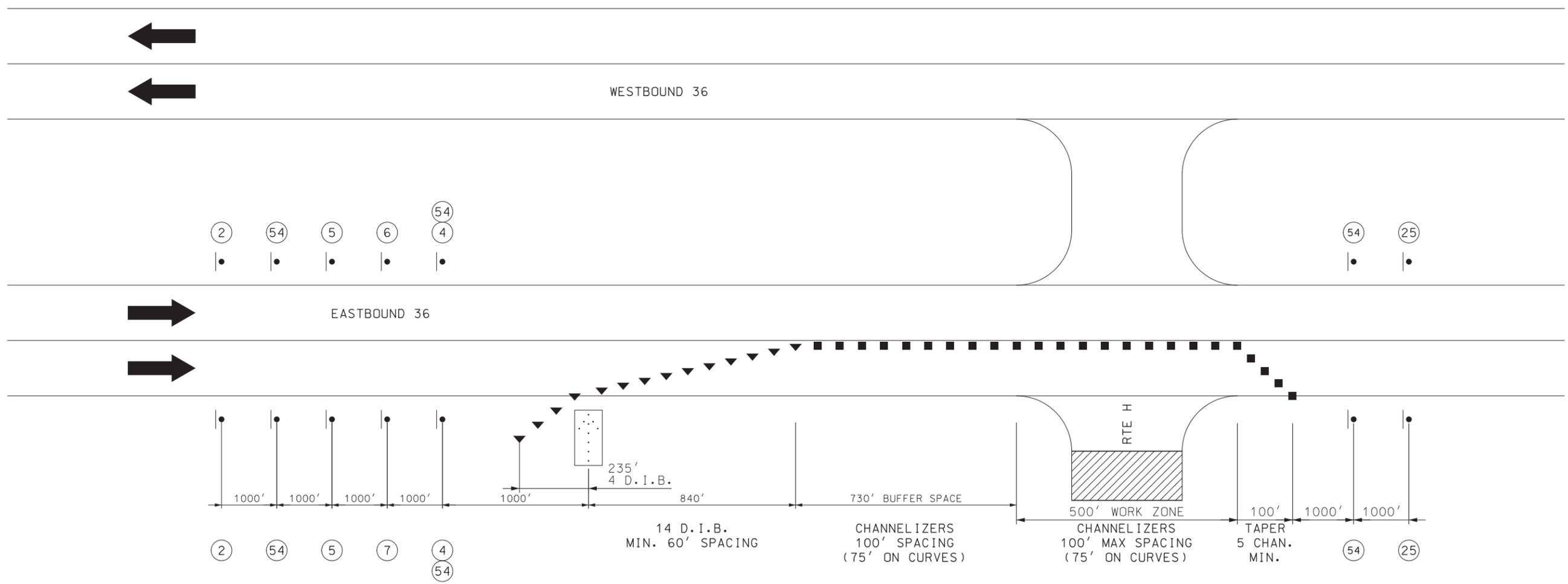
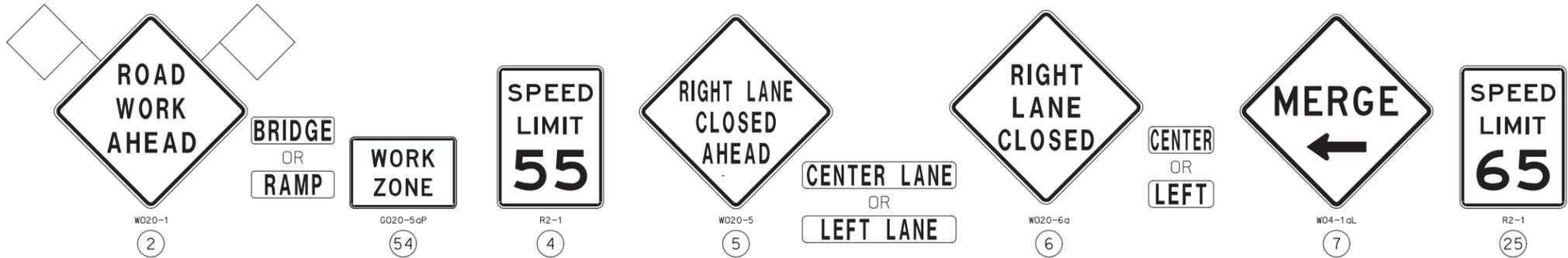
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET 3 OF 6 NOT TO SCALE

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



GENERAL NOTES

1. USE IN PLACE ALL SIGNS WHICH DO NOT CONFLICT WITH THIS PLAN. COVER OR REMOVE CONFLICTING SIGNS.

U.S. 36 TRAFFIC CONTROL



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 7/30/2020

ROUTE: H STATE: MO

DISTRICT: NE SHEET NO.: 12

COUNTY: MARION/RALLS

JOB NO.: J2S3302

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

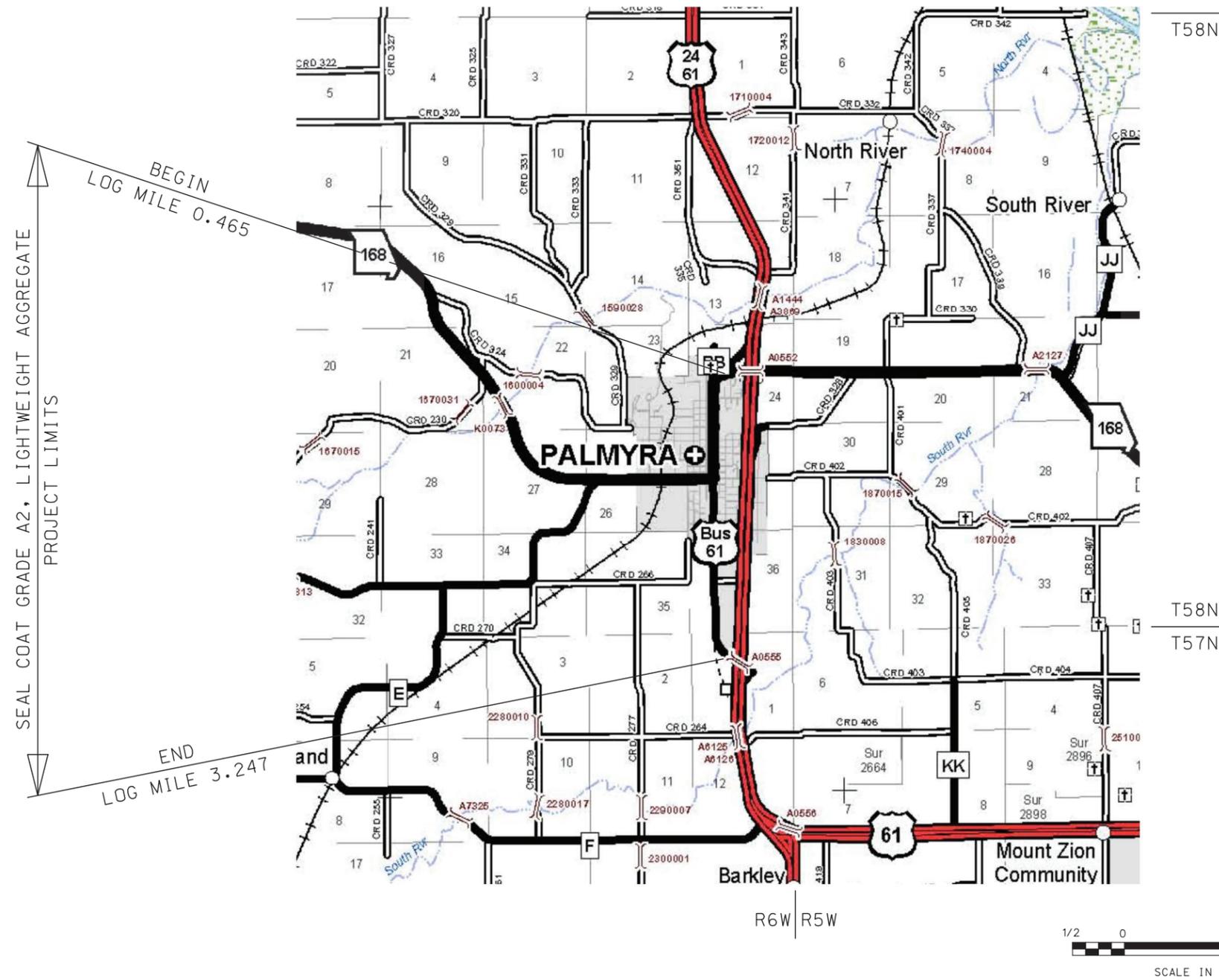
TRAFFIC CONTROL SHEET 5 OF 6 NOT TO SCALE

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

DESIGN DESIGNATION

A.A.D.T. - 2019 = 5,283
V = 25 to 55 M.P.H.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY MARION COUNTY ROUTE BUS. 61



INDEX OF SHEETS

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)-----	5-10



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/22/2020

ROUTE STATE
BU61 MO

DISTRICT SHEET NO.
NE 1

COUNTY
MARION

JOB NO.
J2S3305

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE	0.465
END OF PROJECT	LOG MILE	3.247
APPARENT LENGTH		2.782 MILES
EQUATIONS AND EXCEPTIONS:	NONE	0.000 MILES

TOTAL CORRECTIONS	0.000 MILES
NET LENGTH OF PROJECT	2.782 MILES
STATE LENGTH	2.782 MILES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)

TITLE SHEET

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/22/2020

ROUTE BU61	STATE MO
DISTRICT NE	SHEET NO. 2

COUNTY
MARION

JOB NO.
J2S3305

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

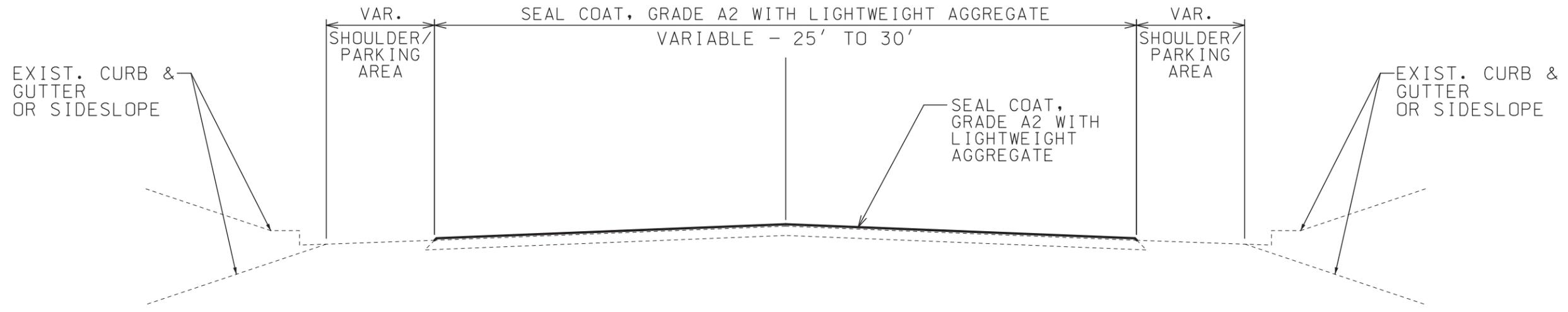


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION
SHEET 1 OF 1

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

℄ RTE. BU61



TYPICAL SECTION

- LOG MILE 0.465 TO 0.508 - VARIES
- LOG MILE 0.508 TO 0.663 - 30' WIDTH
- LOG MILE 0.663 TO 1.495 - 25' WIDTH
(EXCLUDES SHOULDER PARKING)
- LOG MILE 1.495 TO 1.719 - 30' GUTTER TO GUTTER
- LOG MILE 1.719 TO 2.400 - 25' WIDTH
- LOG MILE 2.400 TO 3.247 - 25' WIDTH



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/22/2020

ROUTE BU61	STATE MO
DISTRICT NE	SHEET NO. 5

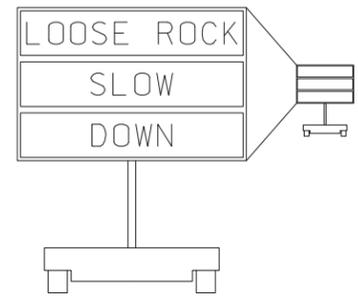
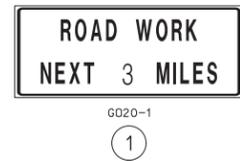
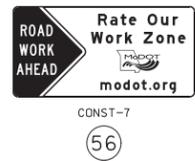
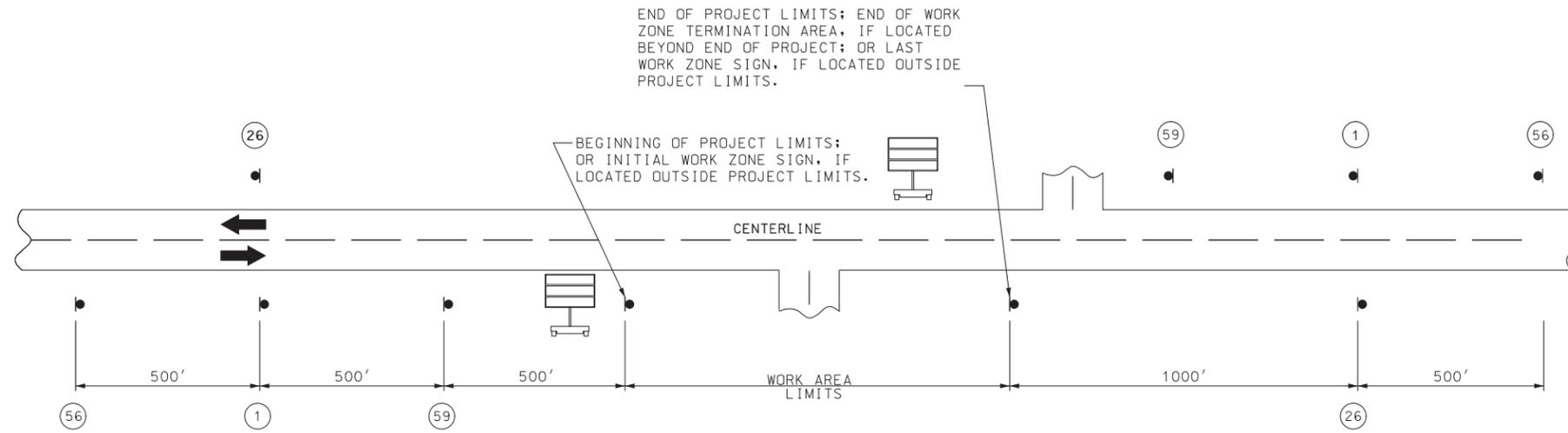
COUNTY
MARION

JOB NO.
J2S3305

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



CHANGEABLE MESSAGE SIGN
(TO BE PLACED AS DIRECTED BY THE ENGINEER.)

NOTES:
PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.
DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

BEGIN AND END OF PROJECT SIGNING

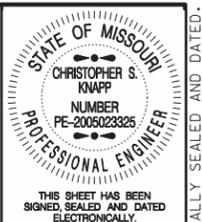
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)

TRAFFIC CONTROL
SHEET 1 OF 6

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/22/2020

ROUTE STATE
BU61 MO

DISTRICT SHEET NO.
NE 7

COUNTY
MARION

JOB NO.
J2S3305

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

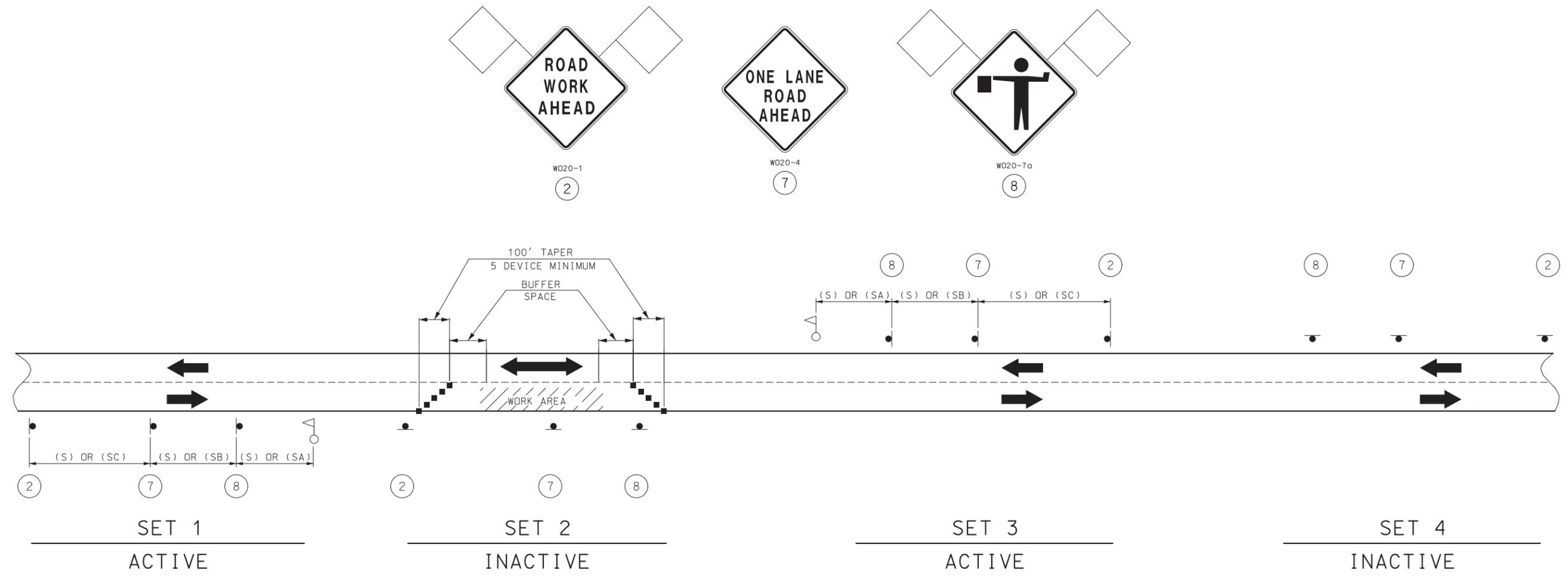
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET 3 OF 6

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



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.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7a WHICH IS SUBSIDIARY TO THE SIGN.

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 (SB)-1500 (SC)-2640

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

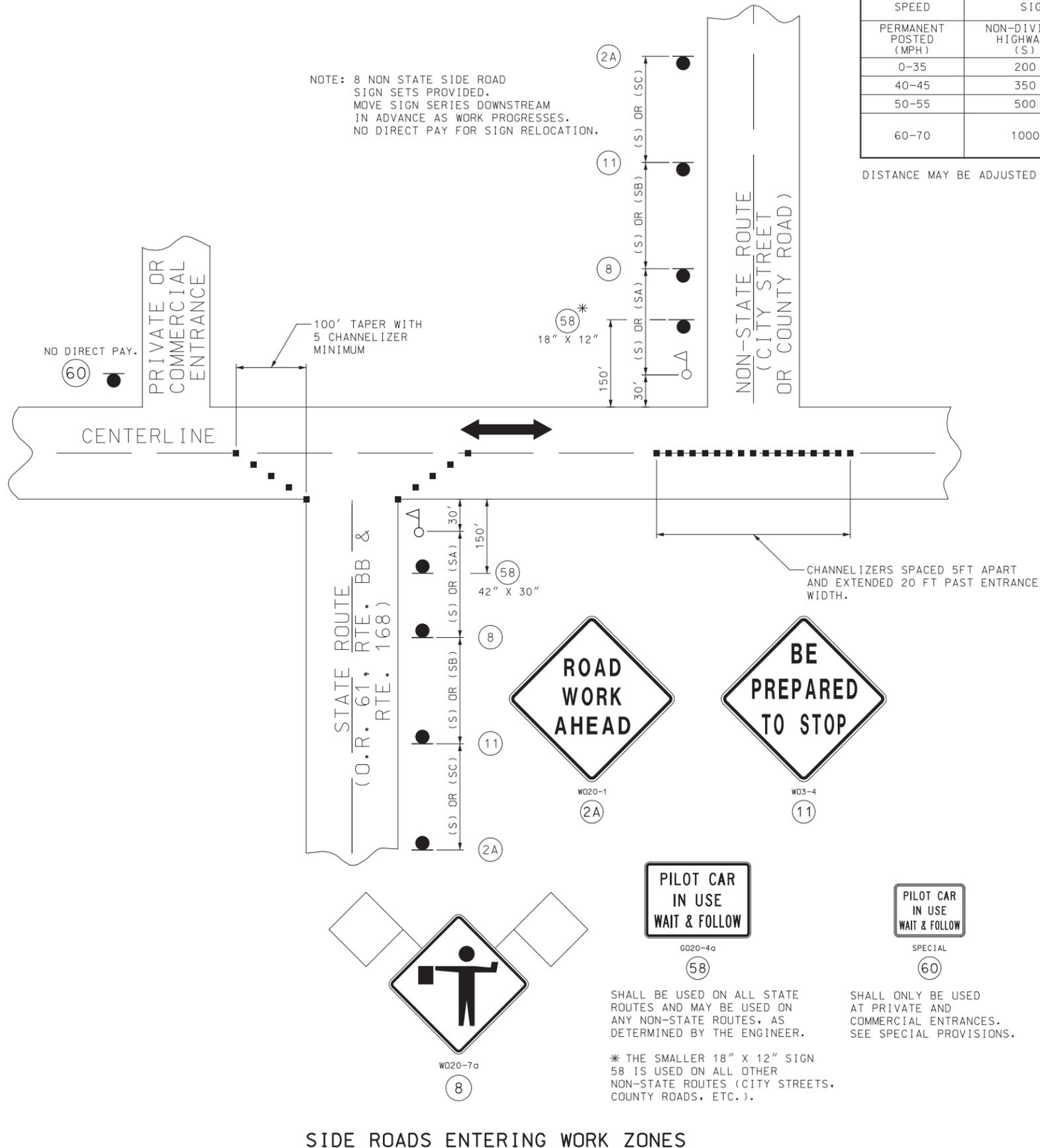
NOTES:

(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.

ADDITIONAL SWEEPING OPERATIONS

NOTE: 8 NON STATE SIDE ROAD SIGN SETS PROVIDED. MOVE SIGN SERIES DOWNSTREAM IN ADVANCE AS WORK PROGRESSES. NO DIRECT PAY FOR SIGN RELOCATION.



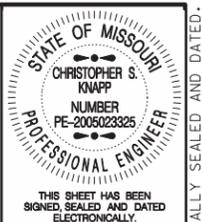
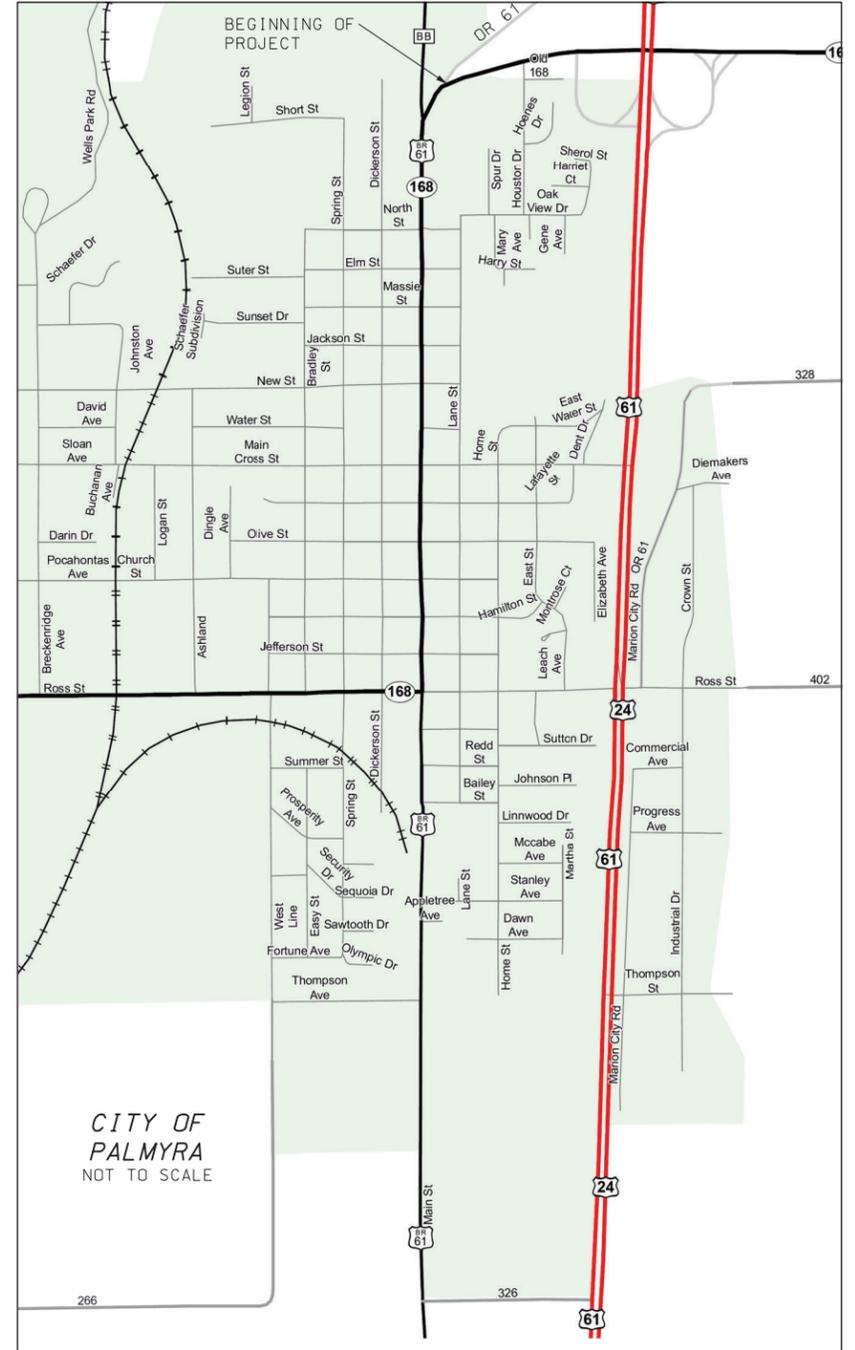
SPEED PERMANENT POSTED (MPH)	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

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. (OUTER ROAD 61, RTE. BB & RTE. 168)
ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

■ - CHANNELIZERS (AS SPECIFIED)
○ - FLAGGER

PARTIAL PALMYRA CITY STREET MAP



DATE PREPARED: 7/22/2020
ROUTE: BU61
STATE: MO
DISTRICT: NE
SHEET NO.: 8
COUNTY: MARION
JOB NO.: J2S3305
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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 6

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

DESIGN DESIGNATION

A.A.D.T. - 2019 = 1182
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

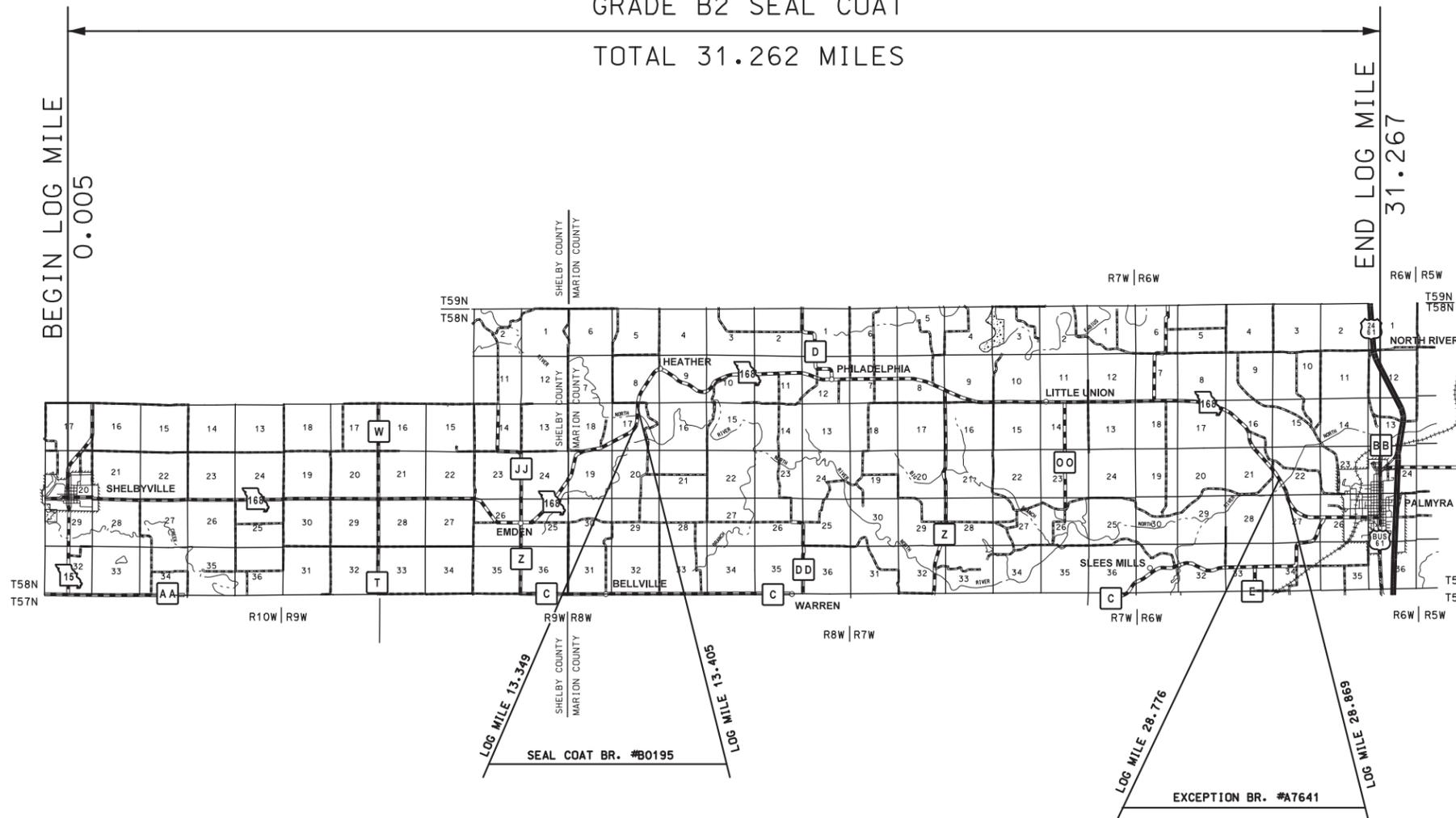
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY SHELBY AND MARION COUNTIES



NORTHEAST
SHELBY & MARION
COUNTIES

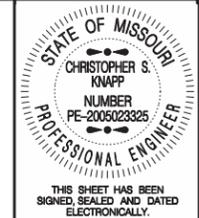


ROUTE 168
GRADE B2 SEAL COAT
TOTAL 31.262 MILES



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) -----	2
QUANTITIES (QU) (1 SHEET)-----	3
SPECIAL SHEETS (SS)-----	4
TRAFFIC CONTROL SHEETS (TC)-----	5-10



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 8/27/2020

ROUTE	STATE
168	MO
DISTRICT	SHEET NO.
NE	1

COUNTY: SHELBY/MARION
JOB NO.: JS23306
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE 0.005
END OF PROJECT	LOG MILE 31.267
APPARENT LENGTH	31.262 MILES
EQUATIONS AND EXCEPTIONS:	
EXCEPTION BRIDGE #A7641	0.093 MILES

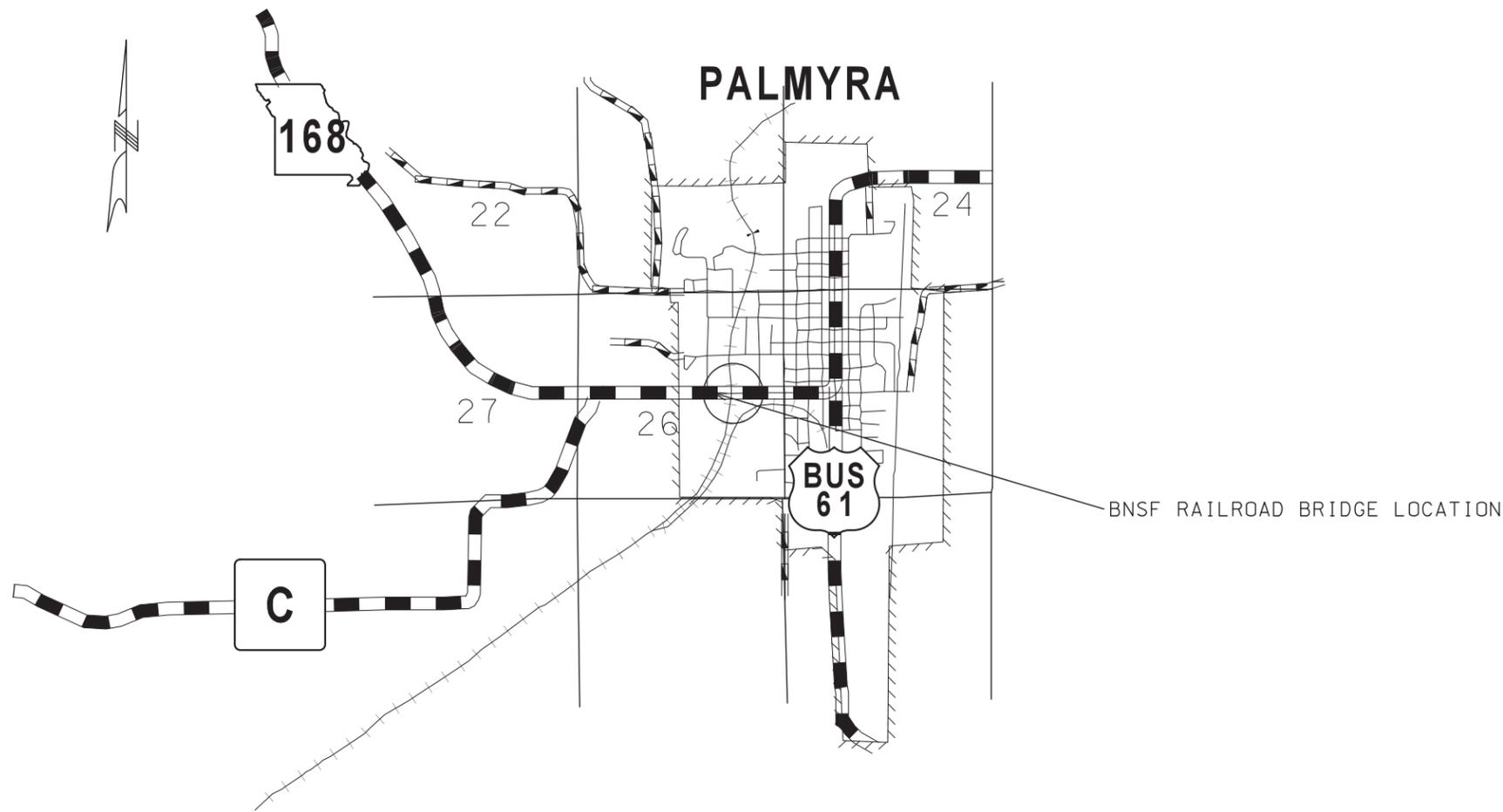
TOTAL CORRECTIONS	491.04 FEET
NET LENGTH OF PROJECT	164572.32 FEET
STATE LENGTH	31.169 MILES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

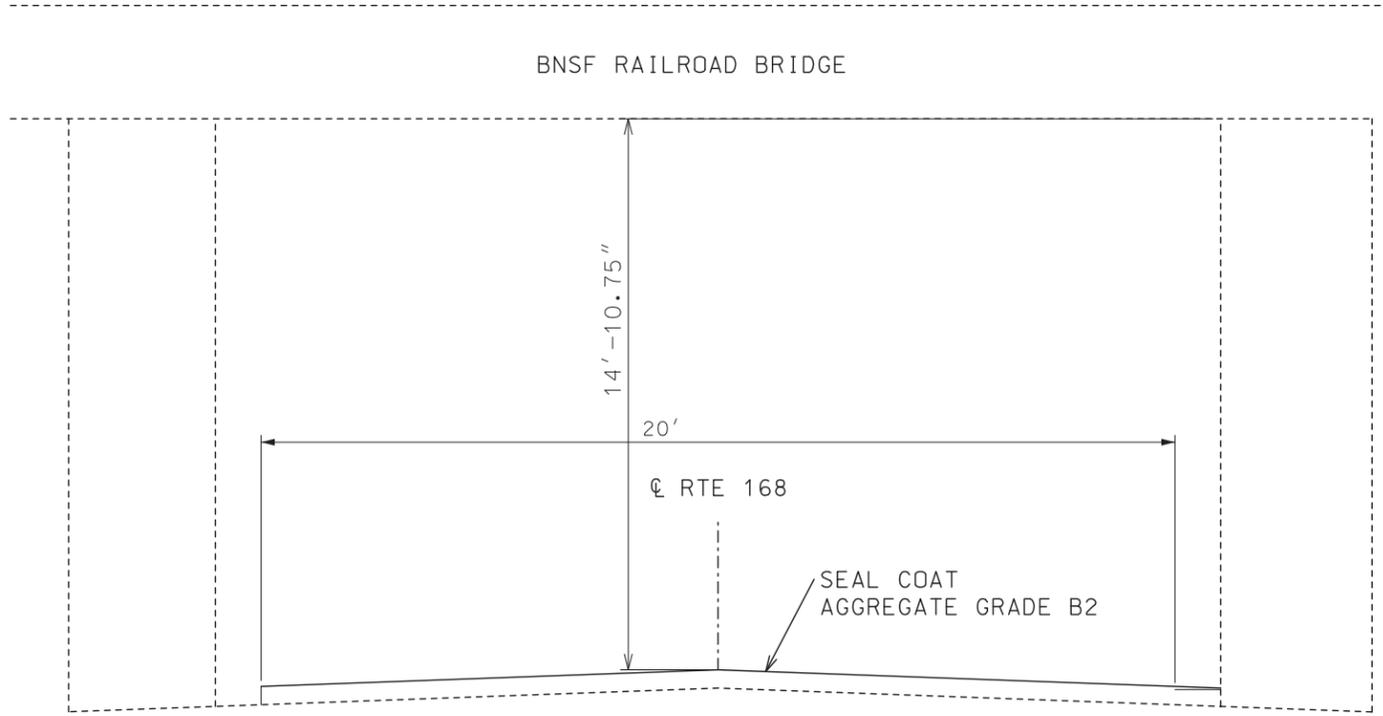
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TITLESHEET

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

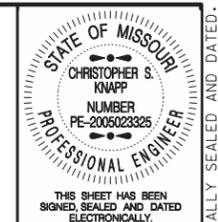


LOCATION MAP
RTE 168



TYPICAL SECTION AT BNSF RAILROAD BRIDGE

NOT TO SCALE



DATE PREPARED 7/22/2020	
ROUTE 168	STATE MO
DISTRICT NE	SHEET NO. 4
COUNTY SHELBY/MARION	
JOB NO. J2S3306	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

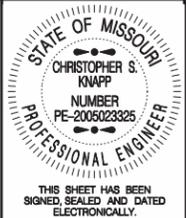
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

RAILROAD BRIDGE
SHEET 1 OF 1

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/22/2020

ROUTE 168 STATE MO

DISTRICT NE SHEET NO. 5

COUNTY SHELBY/MARION

JOB NO. J2S3306

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)

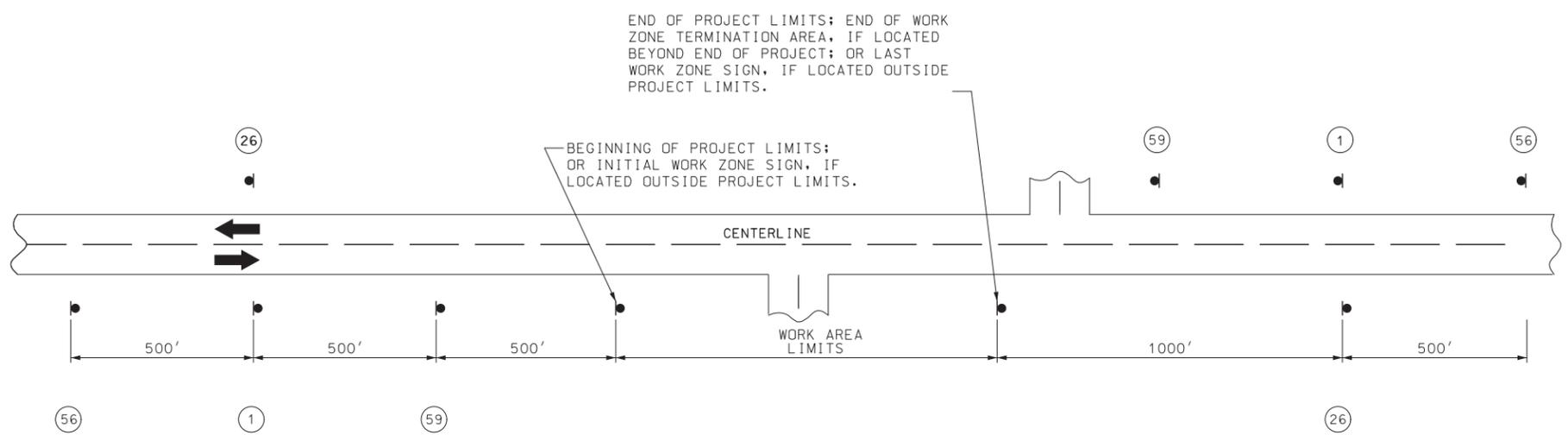
TRAFFIC CONTROL SHEET 1 OF 6

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



CHANGEABLE MESSAGE BOARD

NOTE: CHANGEABLE MESSAGE SIGN TO SAY "LOOSE ROCK - SLOW DOWN" OR SIMILAR MESSAGE.



END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA, IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

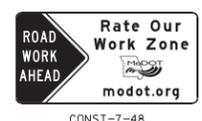
BEGINNING OF PROJECT LIMITS; OR INITIAL WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

NOTES:

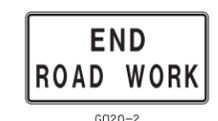
SIGN (1) AND (26) ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

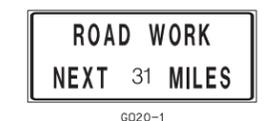
DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



CONST-7-48
(56)



G020-2
(26)



G020-1
(1)

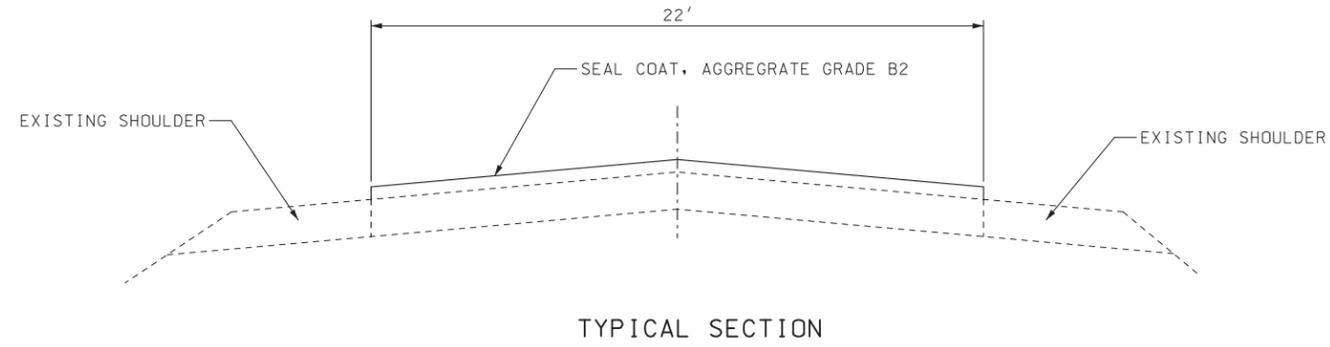


CONST-8
(59)



FOR INFORMATION ONLY

LIGHT WEIGHT AGGREGATE	12 LBS/YD ²
LIMESTONE	17 LBS/YD ²
PORPHYRY	22 LBS/YD ²
BINDER APPLICATION RATE (GRADE B2)	0.28 GAL/YD ²



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/22/2020	
ROUTE C	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY MARION	
JOB NO. J2S3331	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

TYPICAL SECTION
SHEET 1 OF 1

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

CONSTRUCTION SIGNS						
SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1 *	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 10 MILES
2 **	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	0	0.00	BE PREPARED TO STOP
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	12	192.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
56	CONST-7	48 X 24	8.00	2	16.00	RATE OUR WORK ZONE
57**	W08-7a	36 X 36	9.00	21	189.00	FRESH OIL LOOSE GRAVEL ***
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
60	SPECIAL	18 X 12	1.50	47	-	PILOT CAR IN USE WAIT & FOLLOW (DRIVEWAYS)
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE						
2A **	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	SPECIAL	18 X 12	1.50	-	-	PILOT CAR IN USE WAIT & FOLLOW
	TOTAL		49.50	15	742.50	MISC. STREETS AND CO. RDS.
SIDE ROAD PACKAGE - STATE ROUTE						
2A **	W020-1	48 X 48	16.00	-	-	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	-	-	FLAGGER (SYMBOL) WITH FLAGS
11	W03-4	48 X 48	16.00	-	-	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	-	-	PILOT CAR IN USE WAIT & FOLLOW
	TOTAL		56.75	5	283.75	STATE RTES - Z,Z,U,E,168
(616-10.05) CONSTRUCTION SIGNS TOTAL					1729.51	
(616-10.05) CONSTRUCTION SIGNS TOTAL (USE)					1730	

- * IF LESS THAN TWO (2) MILES, DELETE SIGN NO. 1
- ** ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 4 OF 6 AS DIRECTED BY ENGINEER.
- *** FRESH OIL/LOOSE GRAVEL SIGN SHALL BE PLACED AT THE START OF THE PROJECT. SIGNS SHOULD ALSO BE INSTALLED WITHIN 150 FT. AFTER THE INTERSECTION OF A STATE ROUTE. ADDITIONAL SIGNS MAY BE INSTALLED WITHIN 150 FT. AFTER OTHER INTERSECTIONS, AS DIRECTED BY ENGINEER.

NOTE: REFER TO STD. PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

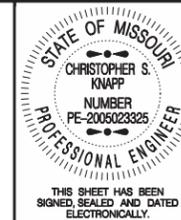
TEMPORARY RAISED PAVEMENT MARKER, TYPE 1 WITH COVERS			
LOG MILE	LOG MILE	YELLOW EACH	REMARKS
9.178	19.001	1299	CENTERLINE
NOTE: QUANTITIES ARE FOR INFORMATIONAL PURPOSES. NO DIRECT PAY.			

MOBILIZATION
LUMP SUM 1

ITEM NO.	QTY.	DESCRIPTION
612-30.00A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
616-10.08	4	FLAG ASSEMBLY
616-10.25	100	CHANNELIZERS (TRIM-LINE)

PAVEMENT MARKING					
LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE MARKING PAINT		REMARKS
			4" WHITE L.F.	4" YELLOW L.F.	
9.178	19.001	CL, RT/LT	103731	80443	CENTERLINE & EDGELINE MARKING
TOTAL			103731	80443	

SEAL COAT QUANTITIES						
LOG MILE	LOG MILE	NET LENGTH MILES	AVERAGE WIDTH FEET	SEAL COAT FINE AGGR. GRADE B2 SY (1.0)	EMULS. ASPHALT, SEAL COAT GALLONS (1.0)	REMARKS
9.178	11.202	2.024	22	26123.1	7314.5	
11.266	19.001	7.735	22	99833.1	27953.3	
TOTAL				125956.2	35267.8	
USE				125956	35268	



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/22/2020

ROUTE C STATE MO
DISTRICT NE SHEET NO. 3

COUNTY
MARION

JOB NO.
J2S3331

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

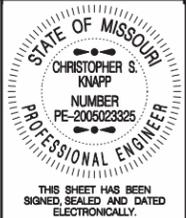
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

SUMMARY OF QUANTITIES
SHEET 1 OF 1

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THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/22/2020

ROUTE STATE
C MO

DISTRICT SHEET NO.
NE 4

COUNTY
MARION

JOB NO.
J2S3331

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

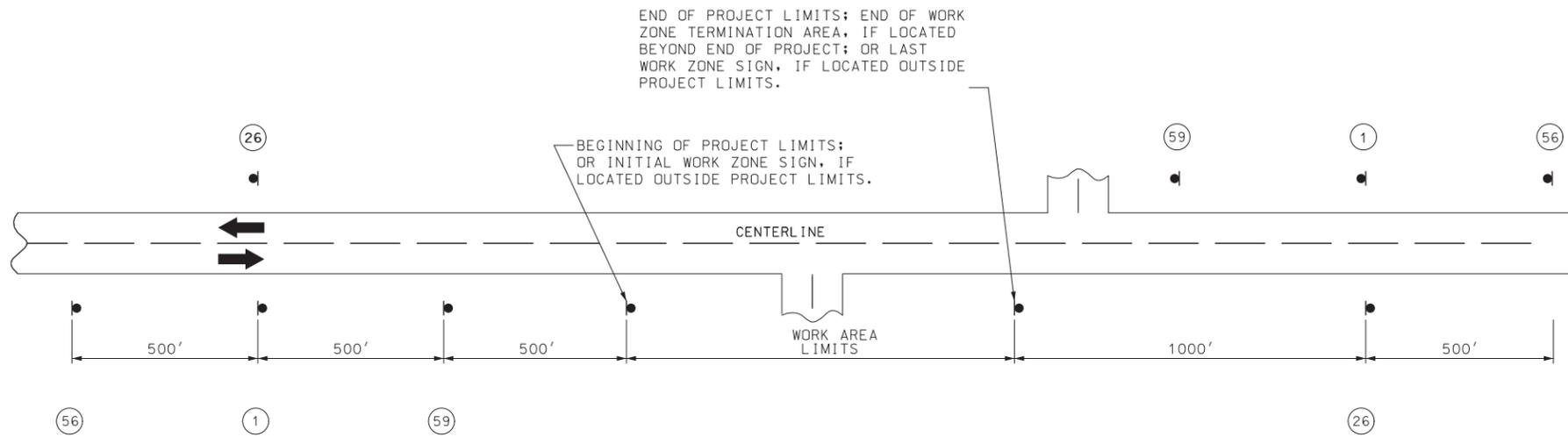
DESCRIPTION

DATE



CHANGEABLE MESSAGE BOARD

NOTE: CHANGEABLE MESSAGE SIGN TO SAY "LOOSE ROCK - SLOW DOWN" OR SIMILAR MESSAGE.



END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA, IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

BEGINNING OF PROJECT LIMITS; OR INITIAL WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

NOTES:

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

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

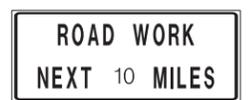
DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



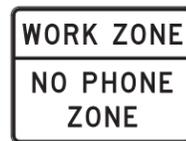
56



26



1



59

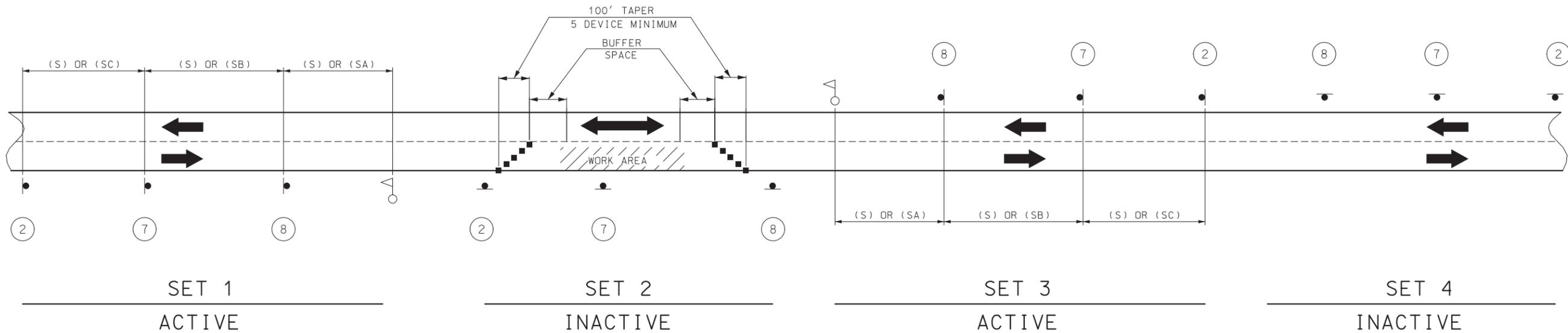
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET 1 OF 6

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



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



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.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7a WHICH IS SUBSIDIARY TO THE SIGN.

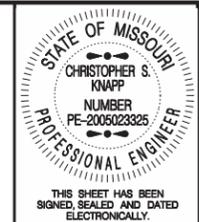
SPEED	SIGN SPACING (FT.) (1)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

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.



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/22/2020

ROUTE STATE
C MO
DISTRICT SHEET NO.
NE 5

COUNTY
MARION
JOB NO.
J2S3331
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL FOR
SEAL COAT AGGREGATE APPLICATION
SHEET 2 OF 6

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

DESIGN DESIGNATION

A.A.D.T. - 2021 = 535

FUNCTIONAL CLASSIFICATION- MINOR COLLECTOR

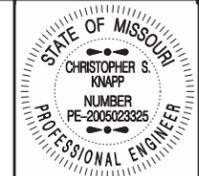
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 PLANS FOR PROPOSED
 STATE HIGHWAY
 RALLS COUNTY

PROJECT LOCATION



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (3 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-5
TRAFFIC CONTROL SHEETS (TC)-----	6-11



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

7/30/2020

ROUTE STATE

DD MO

DISTRICT SHEET NO.

NE 1

COUNTY

RALLS

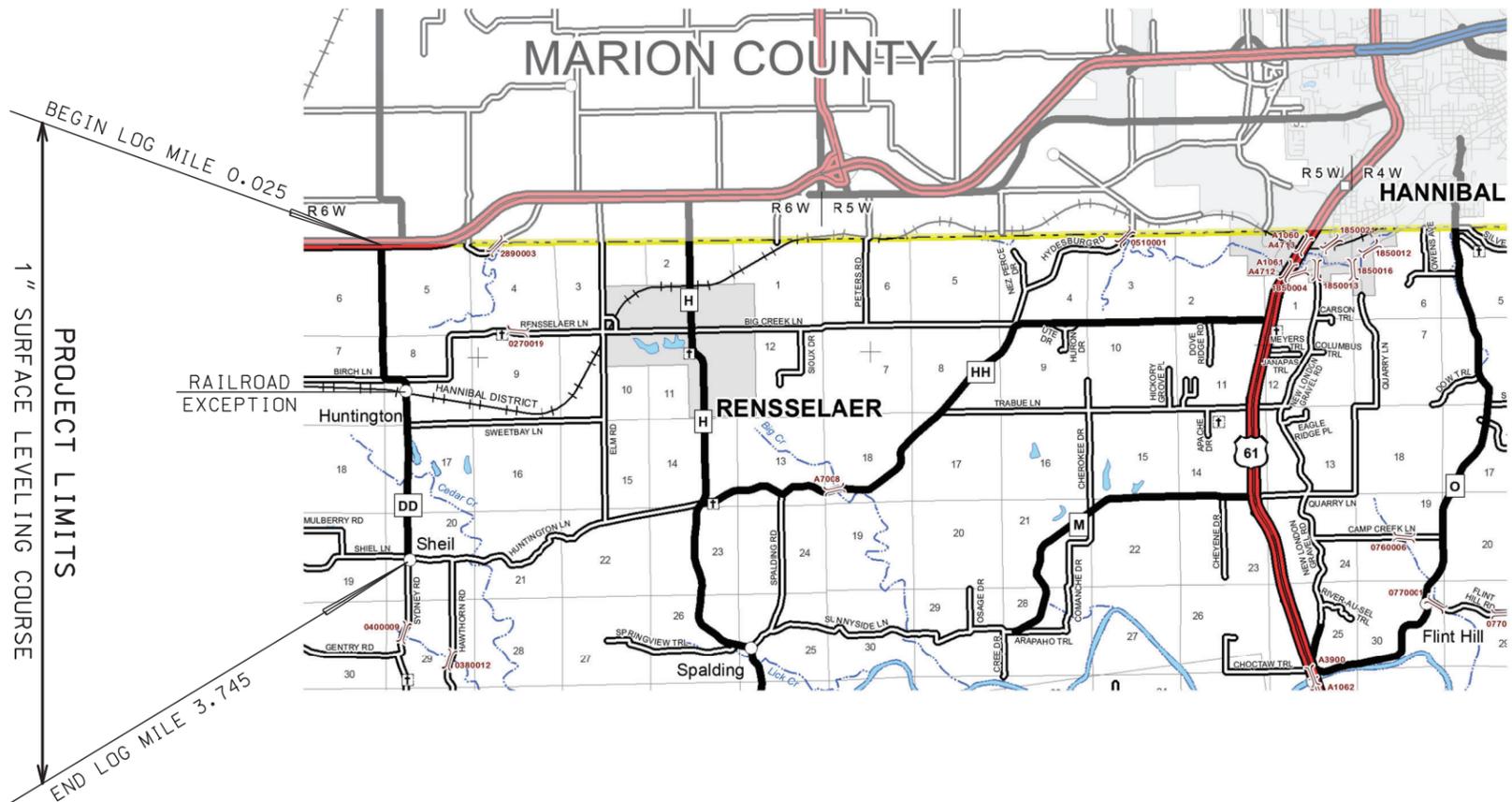
JOB NO.

J2S3348

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



PROJECT LIMITS
 1" SURFACE LEVELING COURSE

CONVENTIONAL SYMBOLS

(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES	[Symbol]	[Symbol]
GUARD RAIL	[Symbol]	[Symbol]
CONCRETE RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
STEEL RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
LOCATION SURVEY MARKER	[Symbol]	[Symbol]
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE	[Symbol]	[Symbol]
FIRE HYDRANT	[Symbol]	[Symbol]
WATER VALVE	[Symbol]	[Symbol]
WATER METER	[Symbol]	[Symbol]
DROP INLET	[Symbol]	[Symbol]
DITCH BLOCK	[Symbol]	[Symbol]
GROUND MOUNTED SIGN	[Symbol]	[Symbol]
LIGHT POLE	[Symbol]	[Symbol]
H-FRAME POWER POLE	[Symbol]	[Symbol]
TELEPHONE PEDESTAL	[Symbol]	[Symbol]
FENCE		
CHAIN LINK	[Symbol]	[Symbol]
WOVEN WIRE	[Symbol]	[Symbol]
GATE POST	[Symbol]	[Symbol]
BENCHMARK	[Symbol]	[Symbol]

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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 SUITABILITY 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.

LENGTH OF PROJECT

BEGINNING OF PROJECT	LOG MILE 0.025
END OF PROJECT	LOG MILE 3.745
APPARENT LENGTH	3.720 MILES
EQUATIONS AND EXCEPTIONS:	
RAILROAD CROSSING	-0.002 MILES
TOTAL CORRECTIONS	-0.002 MILES
NET LENGTH OF PROJECT	3.718 MILES
STATE LENGTH	3.718 MILES

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

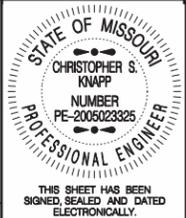


105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SUMMARY OF QUANTITIES



DATE PREPARED
7/30/2020

ROUTE DD STATE MO

DISTRICT NE SHEET NO. 3

COUNTY
RALLS

JOB NO.
J2S3348

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

ESTIMATE FACTORS	
PROVIDED FOR INFORMATION PURPOSES ONLY	
TYPE 1 AGGR. FOR AGGR. EDGE TREATMENT =	0.058 TONS/SY/INCH COMPACTED
BITUMINOUS PAVEMENT MIXTURE (SURFACE LEVELING) =	1.948 TON/CY
TACK COAT (EXISTING SURFACE) =	0.08 GALLON / SY
TACK COAT (COLDMILLED SURFACE) =	0.10 GALLON / SY
GRAVEL, CRUSH STONE AND CHAT =	1.40 TONS / CY OF LOOSE AGG.

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING					
LOG MILE	LOG MILE	LOCATION	WIDTH (FT)	SY	REMARKS
2.200	2.270	SB RTE DD	20	821.33	
TOTAL				821.3	
USE				822.0	

MODIFIED COLDMILLING (DEPTH TRANSITIONS)					
LOG MILE	LOG MILE	LOCATION	WIDTH (FT)	SY	REMARKS
0.025	0.034	SB RTE DD	VARIES	365.00	BEGIN JOB: MODIFIED COLDMILL 50 FT DEPTH TRANSITION
1.887	1.896	SB RTE DD	21	116.67	RAILROAD TRANSITION: MODIFIED COLDMILL 50 FT DEPTH TRANSITION
1.898	1.907	SB RTE DD	21	116.67	RAILROAD TRANSITION: MODIFIED COLDMILL 50 FT DEPTH TRANSITION
2.191	2.200	SB RTE DD	20	111.11	COLDMILL SECTION: MODIFIED COLDMILL 50 FT DEPTH TRANSITION
2.270	2.279	SB RTE DD	20	111.11	COLDMILL SECTION: MODIFIED COLDMILL 50 FT DEPTH TRANSITION
3.736	3.745	SB RTE DD	20	111.11	END JOB: MODIFIED COLDMILL 50 FT DEPTH TRANSITION
TOTAL				931.7	
USE				932.0	

MOBILIZATION
QUANTITY
1 LUMP SUM

1" BITUMINOUS PAVEMENT MIXTURE PG64-22 (SURFACE LEVELING)									
LOG MILE	LOG MILE	LOCATION	WIDTH (FT)	SY	CY	TONS	TACK (GAL)	TACK RATE (GAL/SY)	REMARKS
0.025	0.034	SB RTE DD	VARIES	365.00	10.14	19.75	36.50	0.10	MODIFIED COLDMILL SEGMENT
0.034	0.045	SB RTE DD	VARIES	221.70	6.16	12.00	17.74	0.08	
0.045	1.887	SB RTE DD	21	22693.44	630.37	1227.96	1815.48	0.08	
1.887	1.896	SB RTE DD	21	116.67	3.24	6.31	11.67	0.10	MODIFIED COLDMILL FOR RAILROAD CROSSING
1.898	1.907	SB RTE DD	21	116.67	3.24	6.31	11.67	0.10	MODIFIED COLDMILL FOR RAILROAD CROSSING
1.907	1.933	SB RTE DD	21	320.32	8.90	17.34	25.63	0.08	
1.933	2.191	SB RTE DD	20	3027.20	84.09	163.81	242.18	0.08	
2.191	2.279	SB RTE DD	20	1032.53	28.68	55.87	103.25	0.10	COLDMILL SEGMENT
2.279	3.736	SB RTE DD	20	17095.47	474.87	925.05	1367.64	0.08	
3.736	3.745	SB RTE DD	20	111.11	3.09	6.02	11.11	0.10	MODIFIED COLDMILL SEGMENT
-	-	SB RTE DD	-	-	-	557.70	-	-	IRREGULARITIES (150 TONS PER MILE)
-	-	-	-	-	-	-	-	-	
0.025	1.887	SB RTE DD	1	1026.60	14.27	55.60	-	-	LT & RT SAFETY EDGE/EDGE TREATMENT
0.025	1.887	SB RTE DD	1	1026.60	57.03	222.19	-	-	LT & RT SIDESLOPE IRREGULARITIES
1.907	2.191	SB RTE DD	1	162.17	9.01	35.10	-	-	LT & RT SIDESLOPE IRREGULARITIES
2.279	3.733	SB RTE DD	1	819.46	45.53	177.38	-	-	LT & RT SIDESLOPE IRREGULARITIES
1.907	3.745	SB RTE DD	1	1040.29	14.46	56.34	-	-	LT & RT SAFETY EDGE/EDGE TREATMENT
TOTAL						3544.7	3642.9		
USE						3545.0	3650		

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



SUMMARY SHEET
SHEET 1 OF 3

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

REV.



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/30/2020

ROUTE DD STATE MO
DISTRICT NE SHEET NO. 7

COUNTY RALLS
JOB NO. J2S3348
CONTRACT ID.

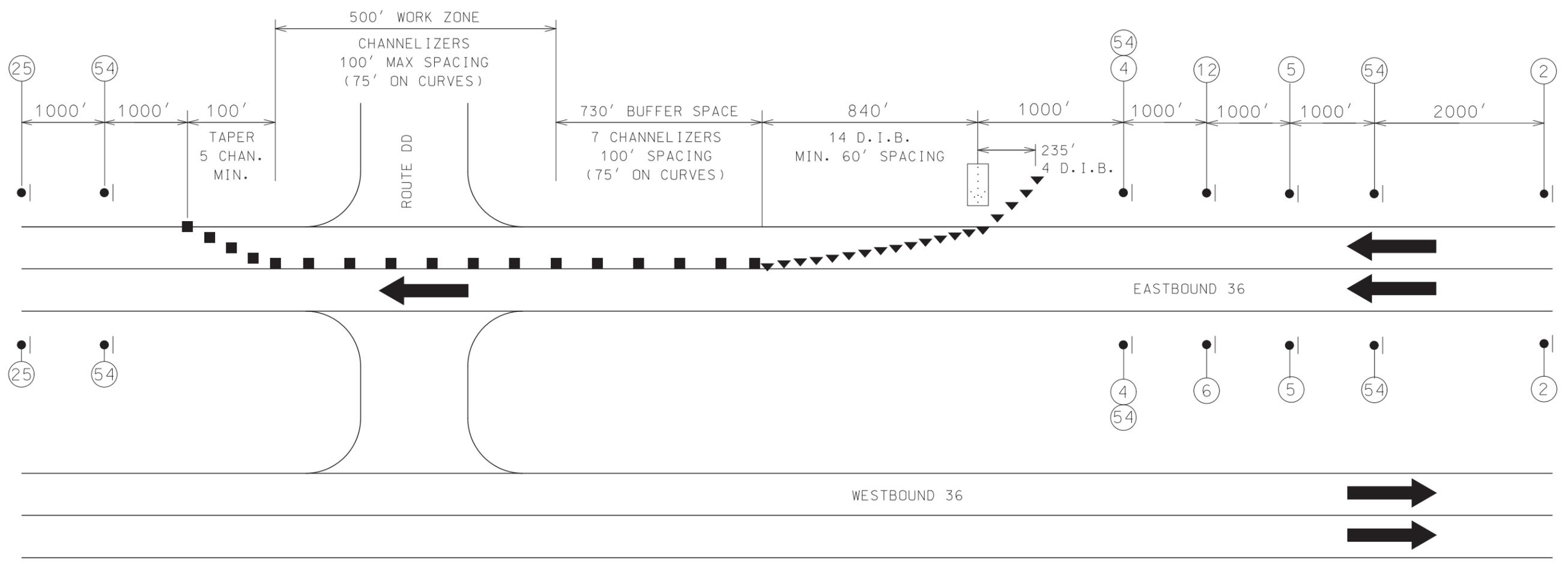
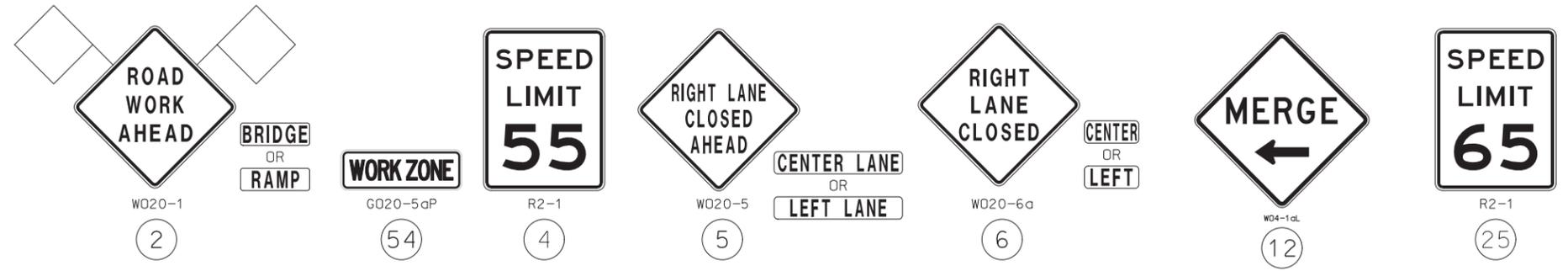
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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 6



GENERAL NOTES

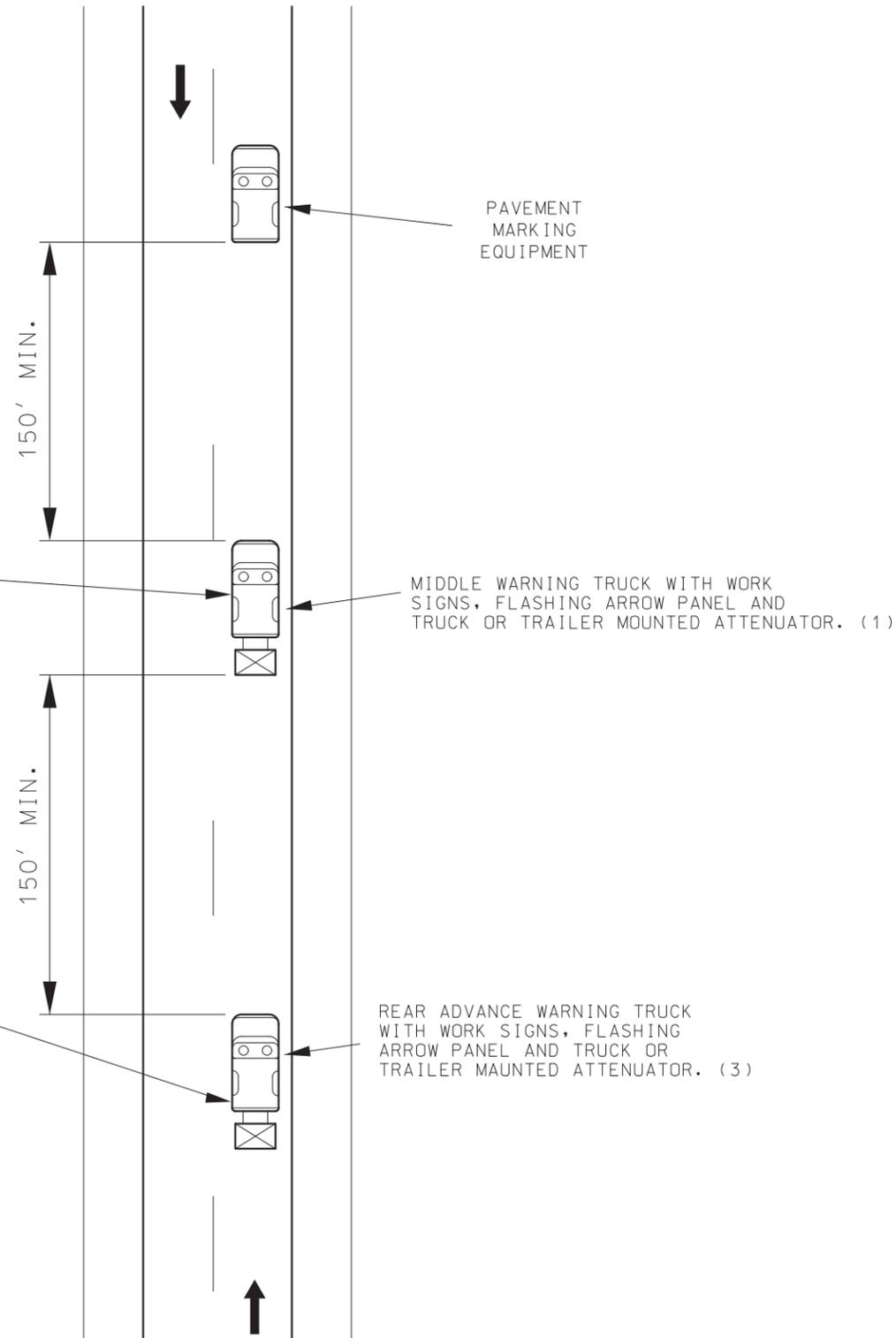
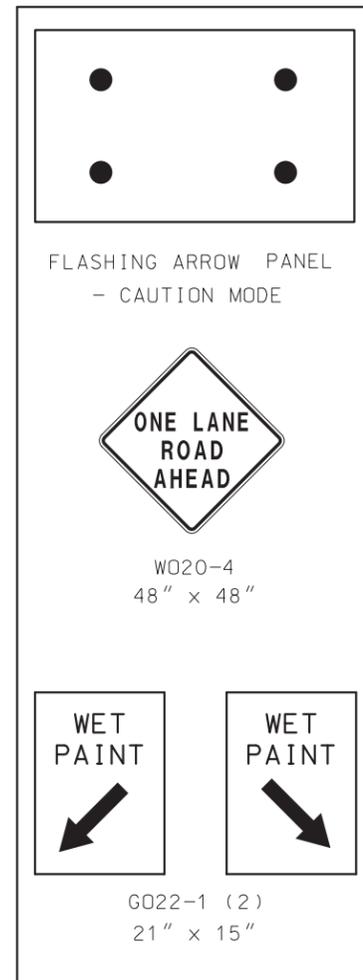
- USE IN PLACE ALL SIGNS WHICH DO NOT CONFLICT WITH THIS PLAN. COVER OR REMOVE CONFLICTING SIGNS.

U.S. 36 TRAFFIC CONTROL

TRAFFIC CONTROL LEGEND

- ▼ DIRECTION INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- SIGN
- ⋯ FLASHING ARROW PANEL

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



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.

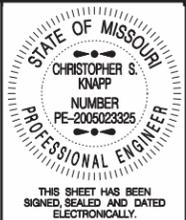
FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT SHALL BE MADE.

(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.

CENTERLINE/EDGELINE STRIPING ON TWO-LANE UNDIVIDED HIGHWAY



DATE PREPARED 7/30/2020	
ROUTE DD	STATE MO
DISTRICT NE	SHEET NO. 11
COUNTY RALLS	
JOB NO. J2S3348	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)

TRAFFIC CONTROL
SHEET 6 OF 6

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



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

7/22/2020

ROUTE STATE

Z MO

DISTRICT SHEET NO.

NE 2

COUNTY

MARION

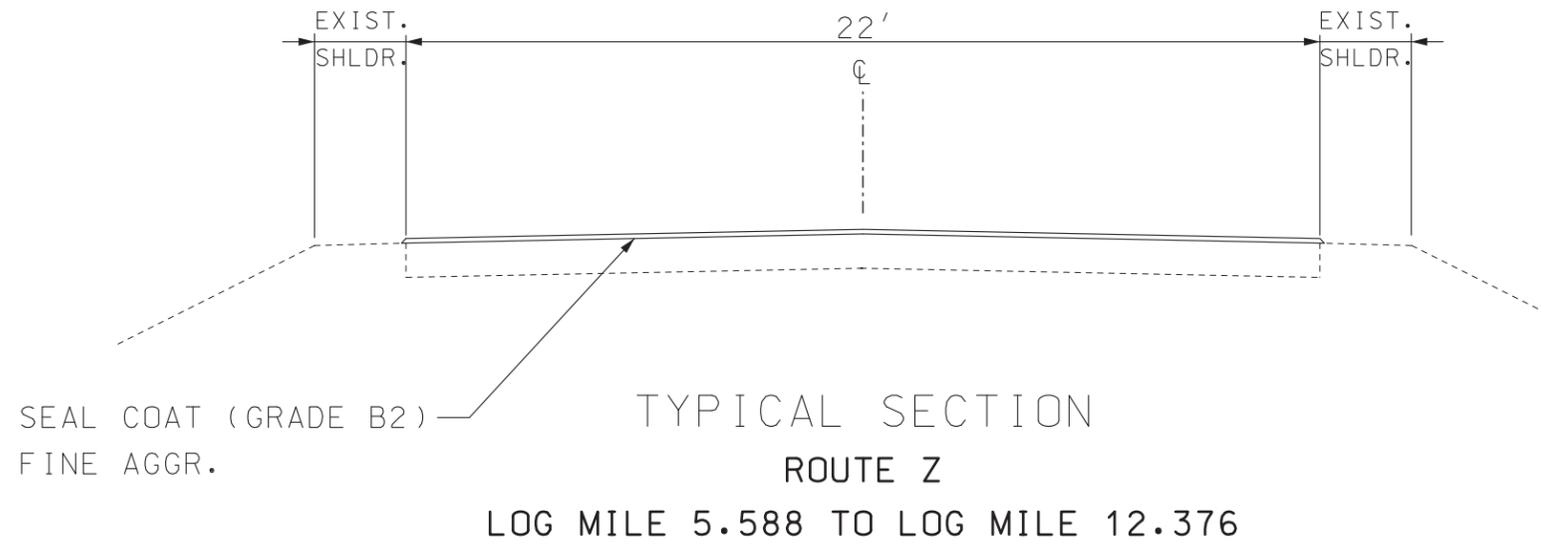
JOB NO.

J2S3349

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

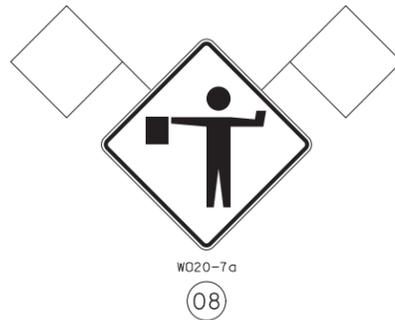


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION
SHEET 1 OF 1

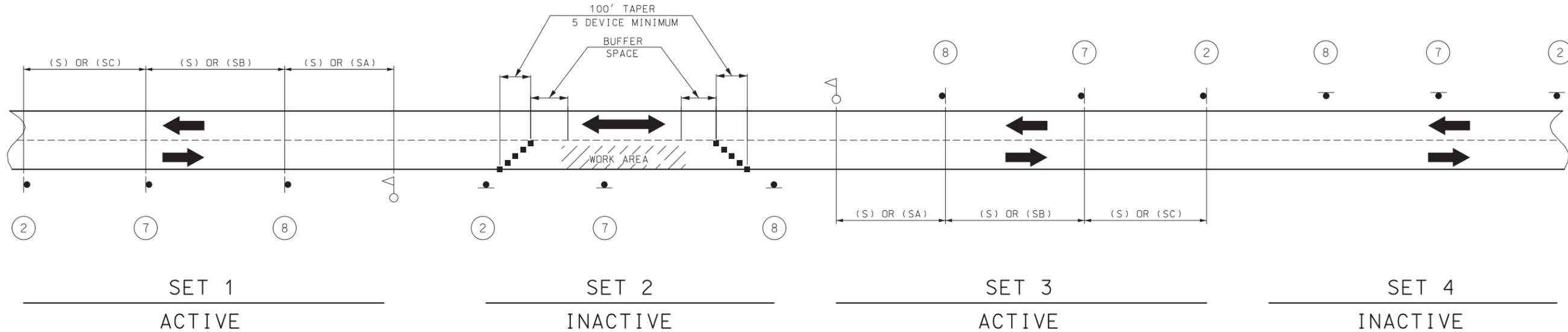
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.



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

INSTALL ON BACK AND SIDES OF PILOT VEHICLE.



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.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7a WHICH IS SUBSIDIARY TO THE SIGN.

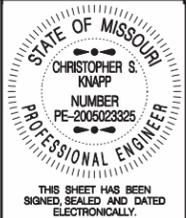
SPEED	SIGN SPACING (FT.) (1)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
PERMANENT POSTED (MPH)		
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

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.



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/22/2020

ROUTE Z STATE MO

DISTRICT NE SHEET NO. 5

COUNTY MARION

JOB NO. J2S3349

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL FOR SEAL COAT AGGREGATE APPLICATION SHEET 2 OF 6

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

