MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
ST. LOUIS COUNTY

T46N - R5E

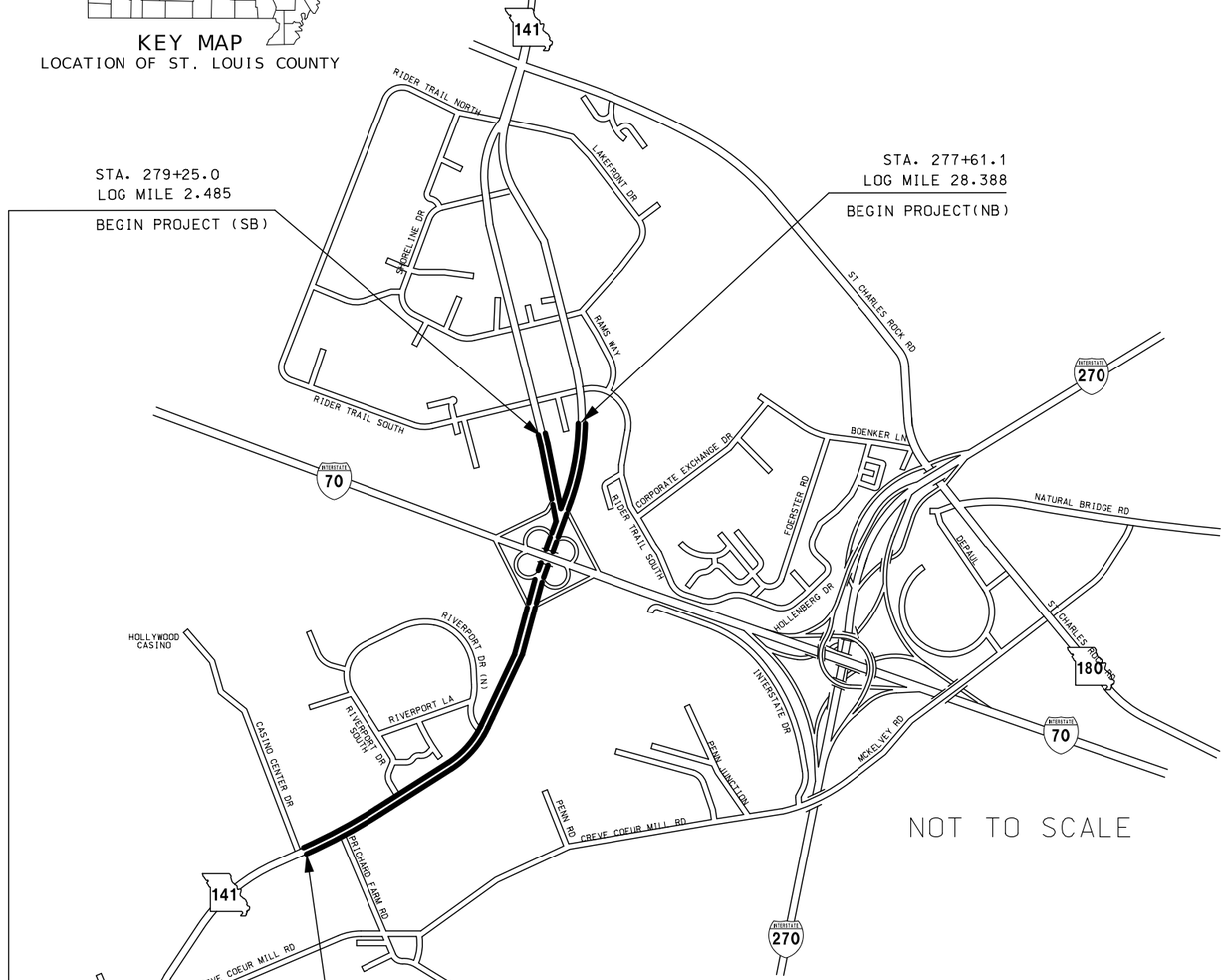
DESIGN DESIGNATION

A.A.D.T. - 2024 = 17,751
A.A.D.T. - 2044 = 19,613
D.H.V. = 9%
T = 5%
V = 45 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION- EXPRESSWAY

NO NEW R/W TO BE ACQUIRED FOR PROJECT JSL0028.

KEY MAP
LOCATION OF ST. LOUIS COUNTY



END PROJECT
STA. 374+03.6
SB LOG MILE 4.269
(NB LOG MILE 26.728)

PAVEMENT IMPROVEMENTS
TYPE 'B' UBAWS OVERLAY,
SIGNING, SIGNALS, STRIPING
LENGTH = 1.784 MILES

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.

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (7 SHEETS)	2
QUANTITIES (QU) (11 SHEETS)	3
PLAN-PROFILE (PP)	4-15
SPECIAL SHEETS (SS)	16-17
SIGNAL SHEETS (SG)	18-19
PAVEMENT MARKING (PM) & SIGNING PLANS	20-46
EROSION CONTROL SHEETS (EC)	47-48
TRAFFIC CONTROL SHEETS (TC)	49-62

LENGTH OF PROJECT

BEGINNING OF PROJECT	L.M. 2.485
END OF PROJECT	L.M. 4.269
APPARENT LENGTH	1.784 MILES
EQUATIONS AND EXCEPTIONS:	NONE
TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	9420 FEET
STATE LENGTH	1.784 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	1.003 ACRES

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

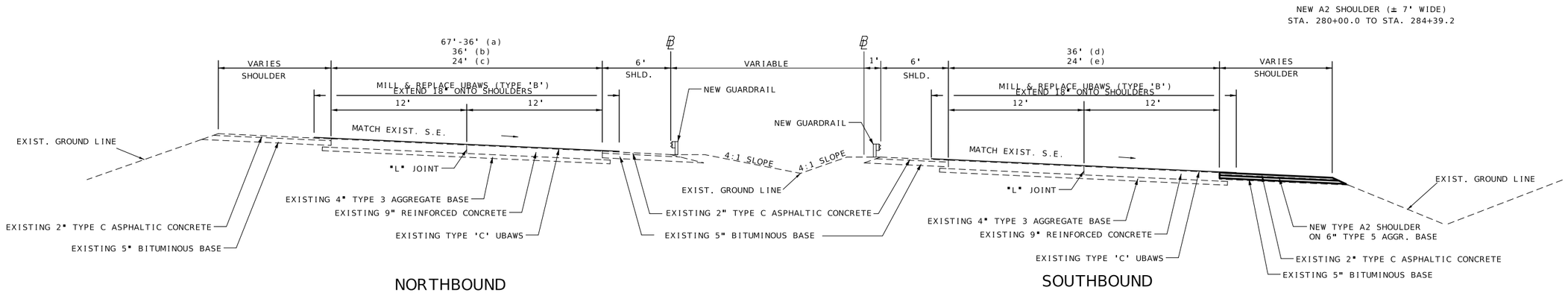
Daniel Savageau
08/28/2024 9:24:02 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	8/28/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	1
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

TITLE SHEET



NORTHBOUND

STA. 277+61.1** TO STA. 296+57.0

SOUTHBOUND

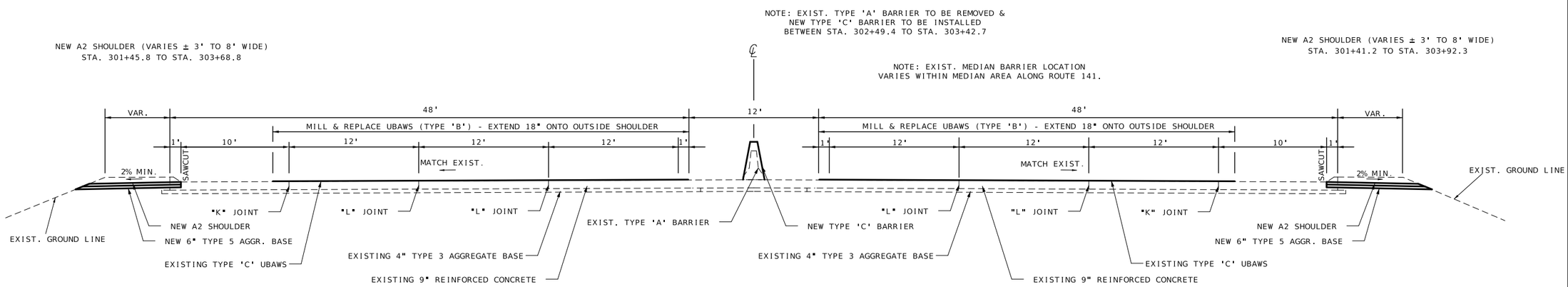
STA. 279+25.0** TO STA. 296+63.0

TYPICAL SECTION

ROUTE 141 (EARTH CITY EXPRESSWAY)

(a) STA. 277+17.27 - 281+32.90
(b) STA. 281+32.90 - 286+34.00
(c) STA. 286+34.00 - 296+57.00

(c) STA. 278+09.89 - 284+55.00
(d) STA. 284+55.00 - 296+63.00



SOUTHBOUND

STA. 296+57.00 TO 303+85.20

NORTHBOUND

STA. 296+63.00 TO 303+85.20

TYPICAL SECTION

ROUTE 141 (EARTH CITY EXPRESSWAY)
FOR THIS PROJECT, STATIONING REVERSES
DIRECTION IN THIS SECTION.

** MATCH JOINT AT CHANGE OF PAVEMENT TYPE.

NOT TO SCALE

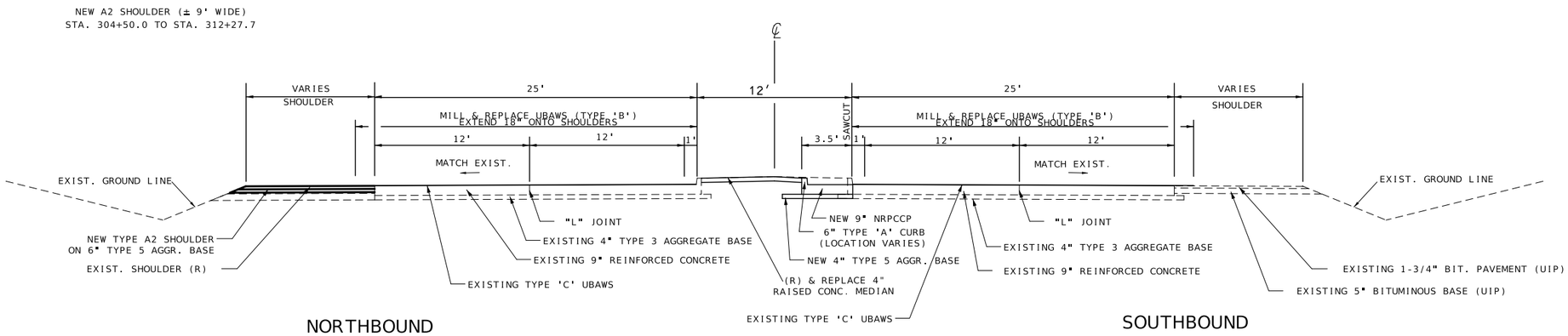
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER
PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 4:35:21 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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 SECTIONS
ROUTE 141
SHEET 1 OF 7



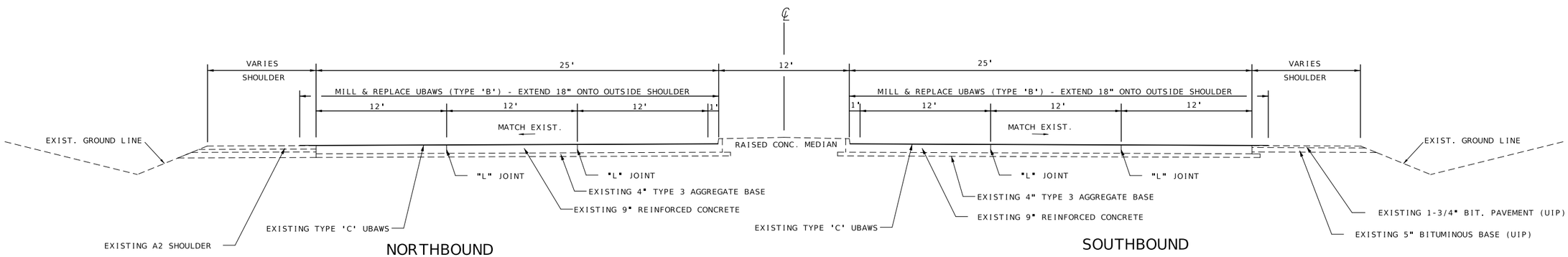
NORTHBOUND

STA. 303+85.20 TO STA. 312+86.90

SOUTHBOUND

STA. 303+85.20 TO STA. 312+86.90

TYPICAL SECTION
ROUTE 141 (EARTH CITY EXPRESSWAY)



NORTHBOUND

STA. 312+86.90 TO STA. 314+60.04**

SOUTHBOUND

STA. 312+86.90 TO STA. 314+60.04**

TYPICAL SECTION

ROUTE 141 (EARTH CITY EXPRESSWAY)

** MATCH JOINT AT CHANGE OF PAVEMENT TYPE.

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER
PE-2004017202
PROFESSIONAL ENGINEER

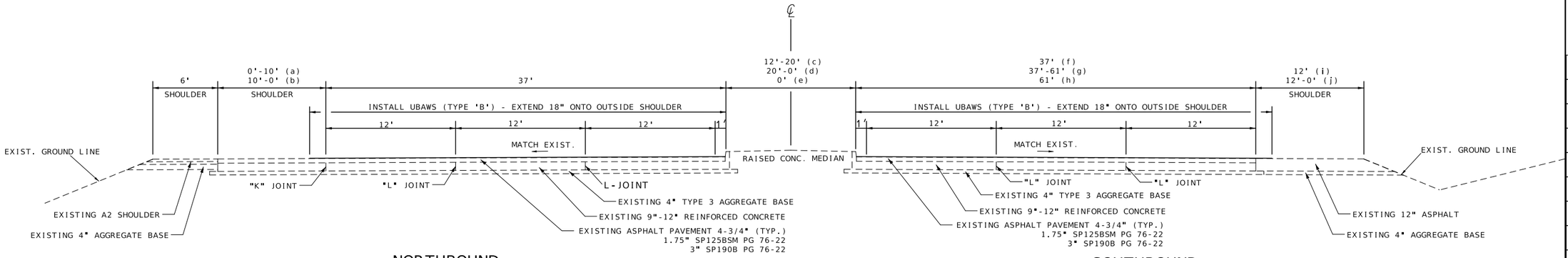
07/23/2024 4:35:37 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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 SECTIONS
ROUTE 141
SHEET 2 OF 7



NORTHBOUND

STA. 314+60.04 TO STA. 323+88.20**

SOUTHBOUND

STA. 314+60.04 TO STA. 323+88.20**

TYPICAL SECTION

ROUTE 141 (EARTH CITY EXPRESSWAY)

(a) STA. 314+76.27 - 315+04.33
(b) STA. 315+04.33 - 319+54.60

(c) STA. 314+60.04 - 322+66.06
(d) STA. 322+66.06 - 323+27.06
(e) STA. 323+27.06 - 323+88.20

(f) STA. 314+60.04 - 316+35.04
(g) STA. 316+35.04 - 319+13.20
(h) STA. 319+13.20 - 323+88.20

(i) STA. 314+60.04 - 316+35.04
(j) STA. 316+35.04 - 319+13.20

** MATCH JOINT AT CHANGE OF PAVEMENT TYPE.

NOT TO SCALE

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 4:35:58 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED
7/23/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0028

CONTRACT ID.

PROJECT NO.

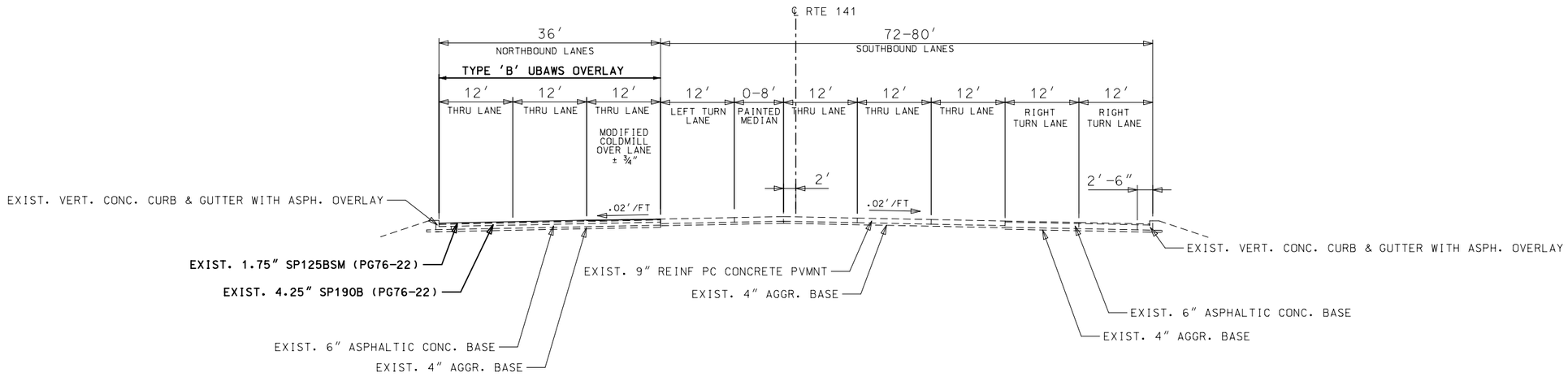
BRIDGE NO.

DATE	DESCRIPTION

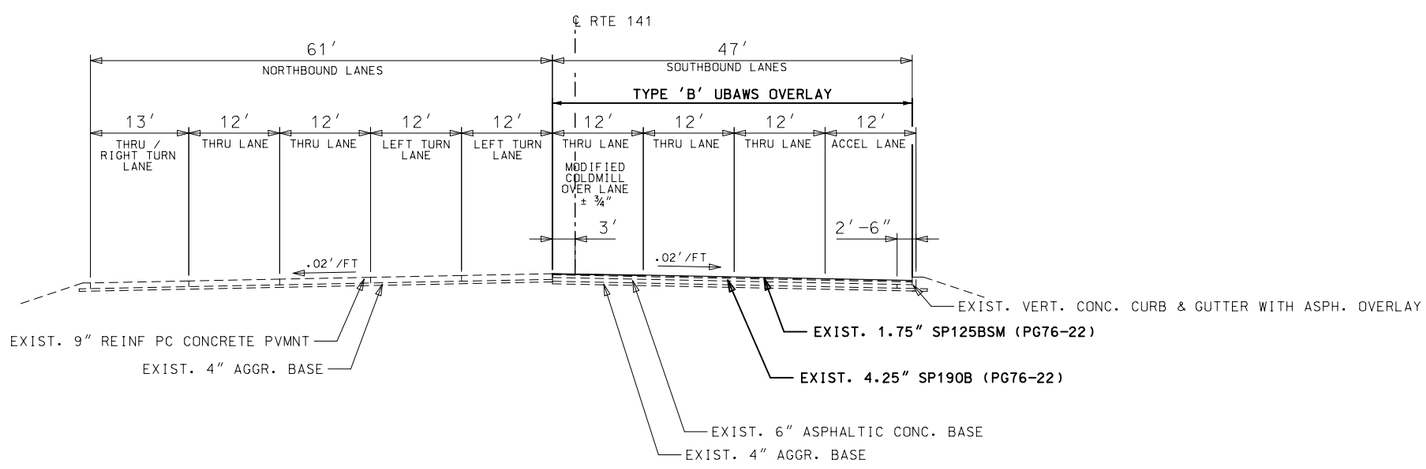
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TYPICAL SECTIONS
ROUTE 141
SHEET 3 OF 7



TANGENT SECTION
STA. 324+00 TO STA. 326+80



TANGENT SECTION
STA. 328+00 TO STA. 329+94

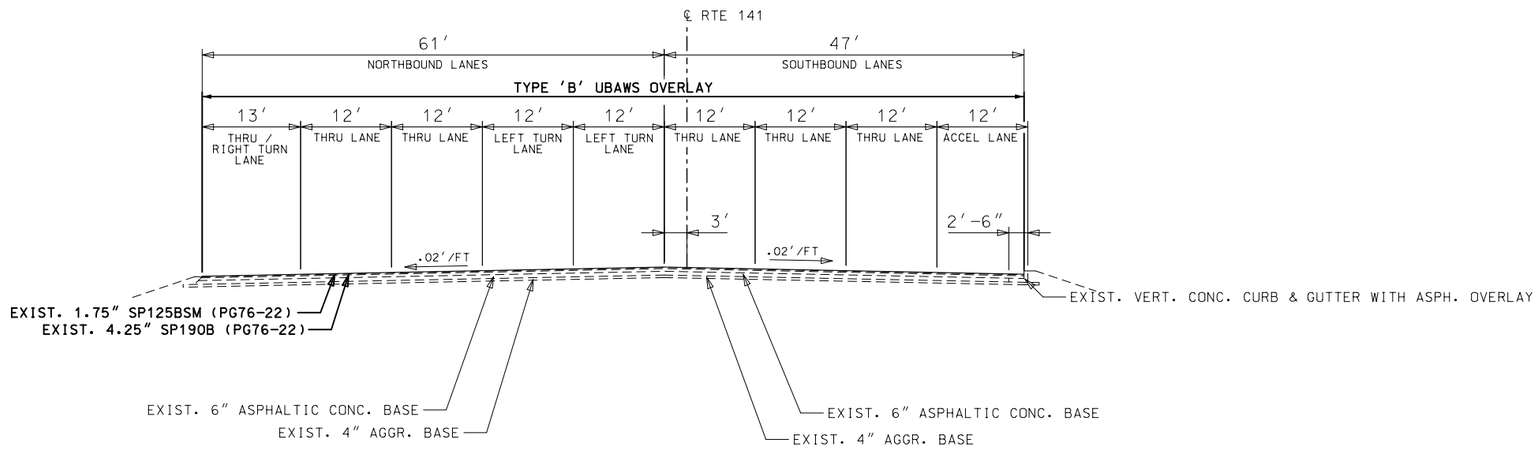
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 4:36:27 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	2
COUNTY	ST. LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

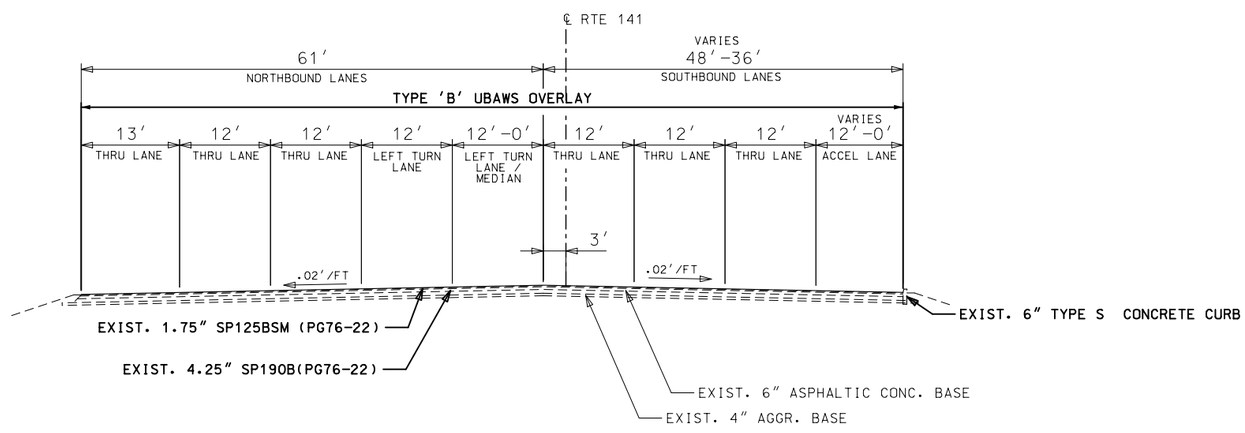
DATE	DESCRIPTION

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

TYPICAL SECTIONS
ROUTE 141
SHEET 4 OF 7



TANGENT SECTION
STA. 329+94 TO STA. 332+14.50



TANGENT SECTION
STA. 332+14.50 TO STA.336+00

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 4:57:19 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

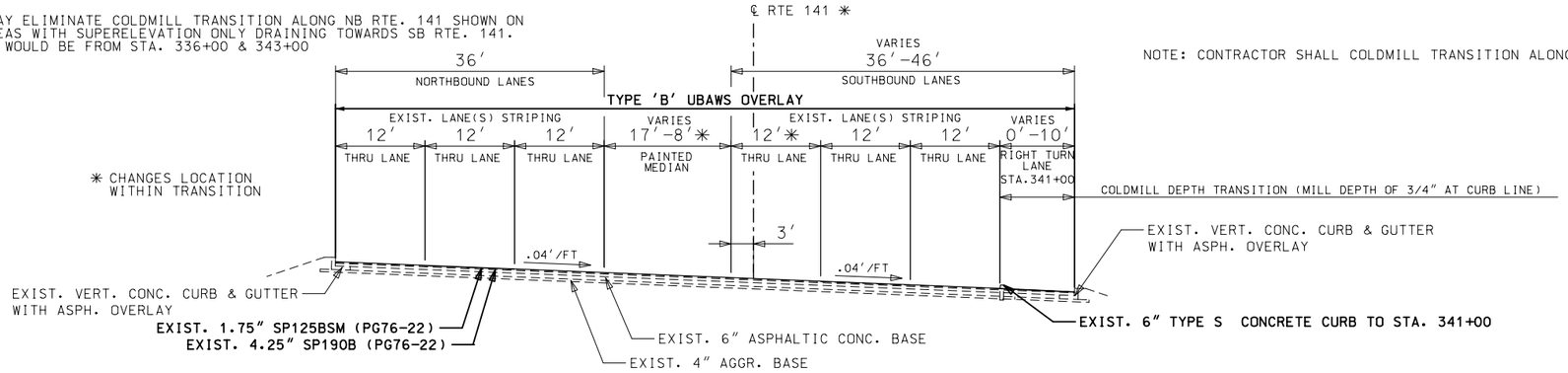
DESCRIPTION	DATE

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

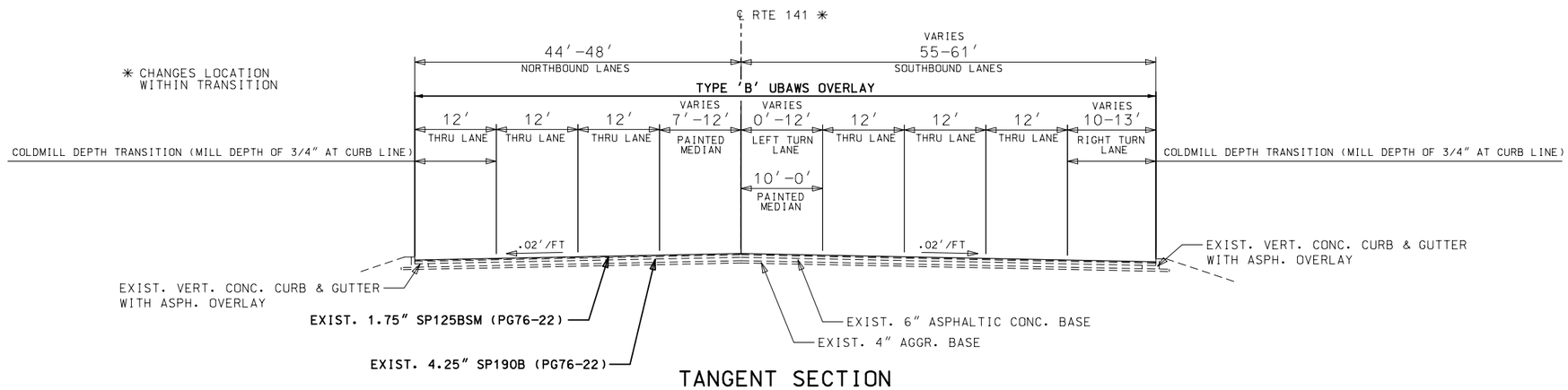
TYPICAL SECTIONS
ROUTE 141
SHEET 5 OF 7

NOTE: CONTRACTOR MAY ELIMINATE COLDMILL TRANSITION ALONG NB RTE. 141 SHOWN ON PLAN SHEETS FOR AREAS WITH SUPERELEVATION ONLY DRAINING TOWARDS SB RTE. 141. ESTIMATED STATIONS WOULD BE FROM STA. 336+00 & 343+00

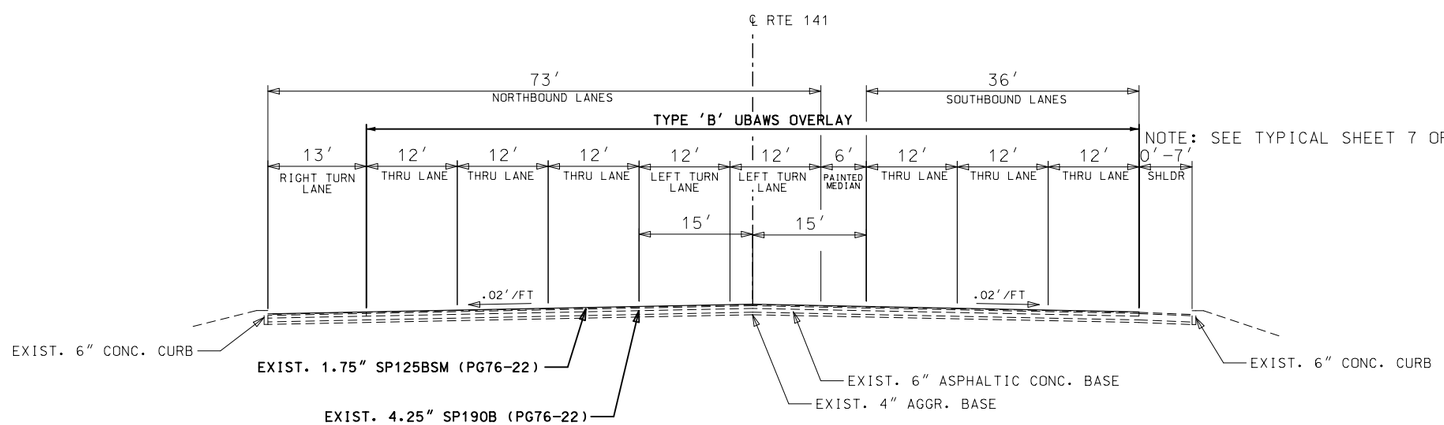
NOTE: CONTRACTOR SHALL COLDMILL TRANSITION ALONG FAR RIGHT LANE OF SB RTE. 141.



SUPERELEVATED SECTION AND TRANSITION SECTION STA.336+00 TO STA. 344+00



TANGENT SECTION STA. 344+00 TO STA. 348+18



NOTE: SEE TYPICAL SHEET 7 OF 7 FOR SHOULDER TREATMENT

TANGENT SECTION STA. 348+18 TO STA. 351+02

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:02:09 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	2
COUNTY	ST. LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

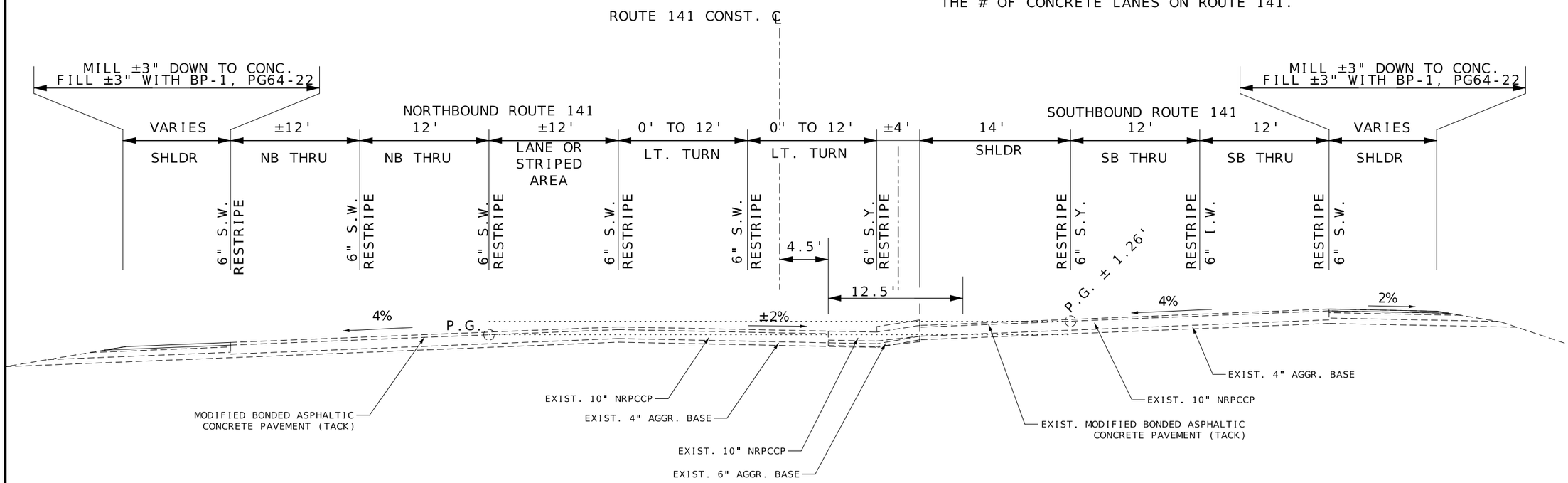
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

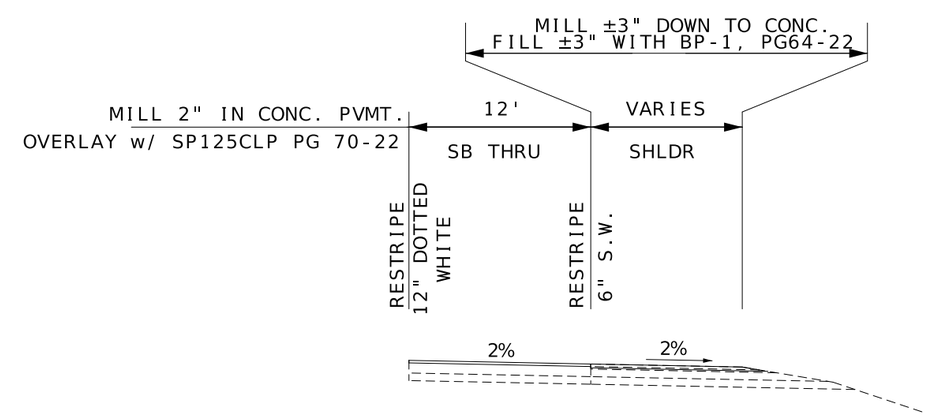
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTIONS
ROUTE 141
SHEET 6 OF 7

NOTE: THE # OF THRU LANES ON ROUTE 141 MAY VARY
AS WILL THE LOCATIONS OF THE LEFT/RIGHT TURN LANES.
TYPICAL SHOWN IS S. OF CASINO CENTER DR.
SHOULDER RESURFACING IS THE SAME REGARDLESS
THE # OF CONCRETE LANES ON ROUTE 141.



TYPICAL SECTION: ROUTE 141
STA. 351+02 TO STA. 372+55.4 (NB 141)
TO STA. 372+31.8 (SB 141)



TYPICAL SECTION
STA. 362+57.1 TO STA. 365+57.1 (SB 141)

APPLICATION RATES:
SP125CLP RATE ESTIMATED AT 2 TONS/C.Y. - MAY BE ADJUSTED PER CONTRACTOR'S MIX DESIGN
BP-1 (PG 64-22) RATE ESTIMATED AT 2 TONS/C.Y. - MAY BE ADJUSTED PER CONTRACTOR'S MIX DESIGN
TACK COAT APPLICATION RATE ESTIMATED AT 0.13 GAL/S.Y.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
Daniel Savageau
08/28/2024 9:10:30 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	8/28/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	2
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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 SECTIONS
ROUTE 141
SHEET 7 OF 7

MOBILIZATION	
PAY TOTAL	1 LUMP SUM

MoDOT ITS ASSETS RELOCATION	
PAY TOTAL	500 L.F.

LUMP SUM TEMPORARY TRAFFIC CONTROL	
PAY TOTAL	1 LUMP SUM

REMOVE & RELOCATE EXISTING GROUND MOUNT SIGNS

PLAN SHEET NO.	ROADWAY	STATION	LOCATION	REMOVE & RELOCATE EXIST. GROUND MOUNT SIGNS EACH	REMARKS
31	SB RTE. 141	370+31.0	RT.	1	KEEP RT. SIGN (R4-7)
			PAY TOTAL	1	

CONTRACTOR FURNISHED SURVEYING	
PAY TOTAL	1 LUMP SUM

NOTE: NO ELECTRONIC DELIVERABLES ARE BEING PROVIDED FOR THIS PROJECT.
NOTE: CONTRACTOR TO LAY OUT ITEMS BASED UPON INFO PROVIDED WITHIN THE PLANS.

NOTE: MULTIPLE TABLES FOR REMOVAL OF IMPROVEMENTS ARE SHOWN ON QTY. SHEETS. ALL REMOVALS LISTED IN THESE TABLES TO BE INCLUDED WITHIN THAT 1 LUMP SUM PAY ITEM.

REMOVAL OF IMPROVEMENTS - SIGNS

PLAN SHEET NO.	ROADWAY	STATION	LOC.	DESCRIPTION	REMARKS
20	NB 141	280+92	LT.	2 SIGNS	SIGN #4
21	NB 141	288+81	LT.	45 MPH S.L. SIGN	SIGN #5
21	SB 141	292+98	RT.	SIGN ASSEMBLY (3 SIGNS)	SIGN #6
21	NB 141	294+27	LT.	ADOPT-A-HWY SIGN	SEE JSPs FOR REMOVAL DETAILS
22	NB 141	302+81	RT.	EXIT 30 MPH SIGN	SIGN #8 STATIONING REVERSES DIRECTION
22	NB 141	303+68	LT.	YIELD SIGN	SIGN #10
22	NB 141	303+92	LT.	2 MEDIAN SIGNS	SIGN #11
22	SB 141	303+68	LT.	YIELD SIGN	SIGN #7 STATIONING REVERSES DIRECTION
22	SB 141	302+51	RT.	EXIT 30 MPH SIGN	SIGN #9
22	SB 141	300+97	LT.	ADOPT-A-HWY SIGN	SEE JSPs FOR REMOVAL DETAILS
23	SB 141	279+70	RT.	LOW CLEARANCE SIGN	SIGN #1
23	SB 141	280+46	RT.	NO PARKING SIGN	SIGN #2
23	SB 141	281+27	RT.	NO PARKING SIGN	SIGN #3
24	NB 141	308+49	LT.	SIGN ASSEMBLY (3 SIGNS)	SIGN #12
24	SB 141	310+54	RT.	ADDED LANE SIGN	SIGN #13
25	NB 141	313+82	LT.	EXIT 50 MPH SIGN	DO NOT REPLACE - ON TRUSS
25	SB 141	314+43	RT.	RIVERPORT NORTH SIGN	SIGN #14
25	SB 141	314+96	RT.	NO PARKING SIGN	SIGN #15
25	SB 141	315+85	RT.	2 SIGNS	SIGN #16
25	SB 141	317+76	RT.	45 MPH S.L. SIGN & CITY LIMIT SIGN	SIGNs #17 & #80
26	NB 141	323+23	LT.	SIGN ASSEMBLY (6 SIGNS)	SIGNs #20 & #82
26	SB 141	322+07	RT.	HOLLYWOOD CASINO AMPHITHEATER SIGN	SIGN #18
26	NB 141	324+59	LT.	NO PARKING SIGNS	SIGN #21
26	SB 141	324+43	RT.	NO PARKING SIGNS	SIGN #22
27	SB 141	326+20	RT.	DOUBLE DOWN ARROW SIGN	SIGN #23 (NO EXIST. SIGN #25)
27	SB 141	327+76	RT.	DOUBLE DOWN ARROW SIGN	SIGN #26
27	NB 141	328+07	LT.	DOUBLE DOWN ARROW SIGN	SIGN #28
27	NB 141	326+61	LT.	YIELD SIGN	SIGN #24
27	NB 141	328+02	LT.	YIELD SIGN	SIGN #27
27	NB 141	328+95	LT.	NO PARKING SIGNS (2)	SIGN #29
27	SB 141	329+55	RT.	NO PARKING SIGNS (2)	SIGN #78
27	NB 141	330+63	LT.	NO PARKING SIGNS (2)	SIGN #30
27	SB 141	332+04	RT.	NO PARKING SIGNS (2)	SIGN #31
27	NB 141	333+65	LT.	NO PARKING SIGNS (2)	SIGN #33
27	SB 141	334+91	RT.	NO PARKING SIGNS (2)	SIGN #34
27	SB 141	333+22	RT.	RIVERPORT SOUTH SIGN	SIGN #32
28	NB 141	336+63	LT.	RIVERPORT NORTH SIGN	SIGN #37
28	NB 141	336+17	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #35
28	SB 141	336+91	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #36
28	SB 141	339+41	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #38
28	NB 141	339+29	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #39
28	SB 141	341+98	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #41
28	NB 141	341+80	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #42
28	SB 141	344+66	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #43
28	NB 141	344+70	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #44
28	NB 141	340+18	LT.	45 MPH S.L. SIGN	SIGN #40
28	NB 141	342+45	LT.	ADOPT-A-HWY SIGN	SEE JSPs FOR REMOVAL DETAILS
28	SB 141	342+49	RT.	ADOPT-A-HWY SIGN	SEE JSPs FOR REMOVAL DETAILS
29	SB 141	347+44	RT.	DOUBLE DOWN ARROW SIGN	SIGN #47
29	NB 141	348+33	LT.	DOUBLE DOWN ARROW SIGN	SIGN #49
29	SB 141	348+81	RT.	DOUBLE DOWN ARROW SIGN	SIGN #50
29	NB 141	349+17	LT.	DOUBLE DOWN ARROW SIGN	SIGN #52
29	SB 141	346+80	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #45
29	NB 141	346+82	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #46
29	SB 141	350+52	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #79
29	NB 141	350+26	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #54
29	SB 141	352+77	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #57
29	SB 141	355+17	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #60
29	NB 141	355+54	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #61
29	NB 141	348+13, 348+87	LT.	SIGNS ON SIGNAL BASES (6 SIGNS)	FOR RIVERPORT DR. SOUTH
29	NB 141	347+89	LT.	YIELD SIGN	SIGN #48
29	SB 141	349+55	RT.	YIELD SIGN	SIGN #51
29	NB 141	349+04	LT.	YIELD SIGN	SIGN #53
29	NB 141	351+28	LT.	HOLLYWOOD CASINO AMPHITHEATER SIGN	SIGN #55
29	SB 141	354+04	RT.	45 MPH S.L. SIGN	SIGN #58
29	NB 141	354+53	LT.	45 MPH S.L. SIGN	SIGN #59
29	SB 141	352+46	RT.	PRICHARD FARM RD.	SIGN #56
30	NB 141	356+80	LT.	RIVERPORT SOUTH SIGN	SIGN #63
30	NB 141	358+62	LT.	YIELD SIGN	SIGN #66
30	NB 141	359+21	LT.	DOUBLE DOWN ARROW SIGN	SIGN #68
30	NB 141	360+11	LT.	YIELD SIGN	SIGN #84
30	NB 141	360+15	LT	DOUBLE DOWN ARROW SIGN	SIGN #85
30	NB 141	359+05	LT.	ONE WAY SIGN	SIGN #67
30	SB 141	359+48	RT.	ONE WAY SIGN	SIGN #69
30	141	360+22	MEDIAN	ONE WAY SIGN	SIGN #70
30	SB 141	357+21	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #62
30	SB 141	359+10	RT.	NO PARKING SIGNS (2 SIGNS)	SIGN #64
30	NB 141	358+25	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #65
30	NB 141	363+60	LT.	NO PARKING SIGNS (2 SIGNS)	SIGN #72
30	SB 141	361+79	RT.	CASINO CENTER DR. SIGN	SIGN #71
30	141	360+05	MEDIAN	SIGNAL SIGNS (2)	R4-7 & R3-4 SIGNS
31	SB 141	368+97	RT.	DOUBLE DOWN ARROW SIGN	SIGN #74
31	SB 141	369+95	RT.	DOUBLE DOWN ARROW SIGN	SIGN #76
31	SB 141	369+20	RT.	YIELD SIGN	SIGN #75
31	SB 141	370+41	RT.	YIELD SIGN	SIGN #77
31	NB 141	369+71	LT.	OM4-3 OBJECT MARKER	
31	NB 141	369+87	LT.	W1-7 (2 POSTS)	
31	NB 141	366+51	LT.	ADOPT-A-HWY SIGN	SEE JSPs FOR REMOVAL DETAILS
31	SB 141	367+77	RT.	ADOPT-A-HWY SIGN	SEE JSPs FOR REMOVAL DETAILS
				PAY TOTAL	1 LUMP SUM

NOTE: REMOVALS ABOVE INCLUDE SIGN POST(s)

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 9:10:58 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127
DATE PREPARED

8/28/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
JSL0028

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)

QUANTITY SHEETS
SHEET 1 OF 11

NOTE: MULTIPLE TABLES FOR REMOVAL OF IMPROVEMENTS ARE SHOWN ON QTY. SHEETS. ALL REMOVALS LISTED IN THESE TABLES TO BE INCLUDED WITHIN THAT 1 LUMP SUM PAY ITEM.

REMOVAL OF IMPROVEMENTS

PLAN SHEET NO.	ROADWAY	STATION	STATION	LOC.	DESCRIPTION
5	SB 141	292+50.2	295+91.9	RT.	342 L.F. OF TWO-SIDED GUARDRAIL, 2 BRIDGE ANCHOR SECTIONS + 10' BARRIER
6	SB 141	283+47.7	285+00.0	RT.	153 L.F. OF GUARDRAIL (INSIDE SHOULDER)
6	SB 141	283+50.0	285+01.4	RT.	153 L.F. OF GUARDRAIL (OUTSIDE SHOULDER)
6	SB 141	280+00.0	284+39.2	RT.	453 L.F. OF SAW CUT & 341.6 S.Y. OF OUTSIDE SHOULDER
6	SB 141	284+39.2	284+64.2	RT.	37 L.F. OF SAWCUT & 16.7 S.Y. OF SHOULDER (INSIDE SHOULDER)
6	SB 141	284+38.6	284+63.6	RT.	42 L.F. OF SAWCUT & 22.2 S.Y. OF SHOULDER (OUTSIDE SHOULDER)
7	NB 141	302+45	-	LT.	TYPE 'T' INLET, 12" PIPE & FES
7	NB 141	303+28	-	LT.	TYPE 'T' INLET, 18" PIPE & FES
7	NB 141	301+04.8	303+25.0	LT.	222 L.F. OF GUARDRAIL, CWET & BRIDGE ANCHOR SECTION
7	SB 141	301+08.1	303+05.6	LT.	198 L.F. OF GUARDRAIL, CWET & BRIDGE ANCHOR SECTION STATIONING REVERSES IN THIS SECTION
7	NB 141	300+94.8	303+92.3	LT.	318 L.F. OF SAWCUTS & MOUNTABLE CURB/BARRIER
7	NB 141	300+94.8	303+92.3	LT.	201 S.Y. OF RAISED SHOULDER
7	SB 141	300+98.3	303+68.8	LT.	290 L.F. OF SAWCUTS & MOUNTABLE CURB/BARRIER STATIONING REVERSES IN THIS SECTION
7	SB 141	300+98.3	303+68.8	LT.	189.6 S.Y. OF RAISED SHOULDER
7	141	302+49.4	303+42.7	MEDIAN	94 L.F. OF TYPE 'A' BARRIER
7	141	303+85.7	305+20.7	MEDIAN	159.9 S.Y. MEDIAN ISLAND
7	141	303+85.7	305+20.7	MEDIAN	294 L.F. OF SAWCUT FOR REMOVAL OF MEDIAN ISLAND, CURB & 9" PVMT.
7	141	303+85.7	305+20.7	MEDIAN	7.5. S.Y. OF 9" PVMT PRIOR TO 3.5' WIDENING
8 & 9	NB 141	304+50.0	312+27.7	LT.	796 L.F. OF SAWCUT & 777.7 S.Y. OF OUTSIDE SHOULDER
9	NB 141	313+28.0	314+80.3	LT.	153 L.F. OF GUARDRAIL, CWET & END ANCHOR
9	SB 141	316+97.8	320+00.7	RT.	304 L.F. OF GUARDRAIL, CWET & END ANCHOR
9	NB 141	313+69.7	313+94.7	LT.	37 L.F. OF SAWCUT & 16.7 S.Y. OF SHOULDER (OUTSIDE SHOULDER)
11	NB 141	-	-	LT.	44 L.F. OF SAWCUTS & 4.56 S.Y. RT. TURN ISLAND
11	NB 141	-	-	LT.	54 L.F. OF SAWCUTS & 5.78 S.Y. RT. TURN ISLAND
11	SB 141	-	-	RT.	36 L.F. OF SAWCUTS & 3.33 S.Y. RT. TURN ISLAND
11	SB 141	-	-	RT.	56 L.F. OF SAWCUTS & 5.11 S.Y. RT. TURN ISLAND
11	SB 141	329+60.0	-	RT.	BENCH SOUTH OF RIVERPORT DRIVE (NORTH) - SEE JSPs
13	NB 141	-	-	LT.	39 L.F. OF SAWCUTS & 4.44 S.Y. RT. TURN ISLAND
13	NB 141	-	-	LT.	57 L.F. OF SAWCTUS & 6.44 S.Y. RT. TURN ISLAND
13	SB 141	-	-	RT.	30 S.F. OF TRUNCATED DOMES IN CUT-THROUGH
13	SB 141	-	-	RT.	48 L.F. OF SAWCTUS & 6.44 S.Y. RT. TURN ISLAND
13	SB 141	352+72.9	355+14.7	LT.	242 L.F. OF GUARDRAIL, CWET & END ANCHOR
14	NB 141	-	-	LT.	60 L.F. OF SAWCUTS & 6.33 S.Y. RT. TURN ISLAND
14	NB 141	-	-	LT.	46 L.F. OF SAWCUTS & 5 S.Y. RT. TURN ISLAND
15	SB 141	372+73.9	373+58.0	LT.	143 L.F. OF GUARDRAIL, BRIDGE ANCHOR SECTION & END ANCHOR
15	SB 141	-	-	RT.	74 L.F. OF SAWCUTS & 9.78 S.Y. RT. TURN ISLAND
15	SB 141	-	-	RT.	92 L.F. OF SAWCUTS & 17.78 S.Y. RT. TURN ISLAND
28	SB 141	341+00.0	-	RT.	EXIST. SIGN TRUSS OR SIGNAL FOUNDATION (N. OF SIGN #41)
					PAY TOTAL = 1 LUMP SUM

EARTHWORK

PLAN SHEET NO.	ROADWAY	STA.	STA.	LOCATION	LENGTH	WIDTH	DEPTH	EMBANKMENT IN PLACE C.Y.	SHAPING SLOPES CLASS II 100 FT.	LINEAR GRADING CLASS 2 STA.	REMARKS
14 & 15	SB RTE. 141	363+99.5	368+65.0	RT.	465.5	N/A	N/A		4.7		AREA 100' N. OF GUARDRAIL CWET TO BE PAID SEPARATELY
10	SB RTE. 141	322+00.0	-	RT.	20	20	4	177.8			
7	NB RTE. 141	301+41.2	303+92.3	LT.	251.1	N/A	N/A			2.51	
7	SB RTE. 141	301+45.0	303+68.8	LT.	223.8	N/A	N/A			2.24	
							SUBTOTALS	177.8	4.7	4.75	
							PAY TOTALS	178	5	4.8	

SEEDING

PLAN SHEET NO.	ROADWAY	STA.	STA.	LOCATION	LENGTH	WIDTH	SEEDING COOL SEASON GRASSES AC.	TEMP. SEEDING AC.	MULCHING AC.	ADDITIONAL MOBILIZATION FOR SEEDING EACH	REMARKS
10	SB RTE. 141	322+00.0	-	RT.	20	20	0.01	0.01	0.02	1	
6	SB 141	280+00.0	284+39.2	RT.	439.2	5	0.05	0.05	0.10	1	
7	NB RTE. 141	301+41.2	303+92.3	LT.	251.1	5	0.03	0.03	0.06	1	
7	SB RTE. 141	301+45.0	303+68.8	LT.	223.8	5	0.03	0.03	0.06	1	
8	NB 141	304+50.0	312+27.7	LT.	777.7	5	0.09	0.09	0.18	1	
47 & 48	SB RTE. 141	331+14.0	340+73.0	RT.	959.0	19	0.42	0.42	0.84	1	MAX. WIDTH LISTED
						SUBTOTALS	0.63	0.63	1.26	6	
						PAY TOTALS	0.7	0.7	1.3	6	

NOTE: THE CONTRACTOR WILL NOT BE PAID ADDITIONAL MOBILIZATION FOR BOTH TEMP. AND FINAL SEEDING FOR EACH LOCATION. EACH LOCATION IS PAID ONCE.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 9:11:30 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED
8/28/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
JSL0028

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)

QUANTITY SHEETS
SHEET 2 OF 11

CONCRETE MEDIAN

PLAN SHEET NO.	ROADWAY	STATION	STATION	LOC.	CONCRETE MEDIAN S.Y.	REMARKS
7	141	303+85.7	305+20.7	MEDIAN	152.40	SEE NOTE BELOW ***
11	NB 141	-	-	RT. TURN ISLAND	4.56	FROM EARTH CITY LANDFILL
11	NB 141	-	-	RT. TURN ISLAND	5.78	TO EARTH CITY LANDFILL
11	SB 141	-	-	RT. TURN ISLAND	3.33	FROM RIVERPORT NORTH
11	SB 141	-	-	RT. TURN ISLAND	5.11	TO RIVERPORT NORTH
13	NB 141	-	-	RT. TURN ISLAND	4.44	FROM FIRE STATION
13	NB 141	-	-	RT. TURN ISLAND	6.44	TO FIRE STATION
13	SB 141	-	-	RT. TURN ISLAND	15.89	FROM RIVERPORT SOUTH
13	SB 141	-	-	RT. TURN ISLAND	6.44	TO RIVERPORT SOUTH
14	NB 141	-	-	RT. TURN ISLAND	6.33	FROM PRICHARD FARM RD.
14	NB 141	-	-	RT. TURN ISLAND	5.00	TO PRICHARD FARM RD.
15	SB 141	-	-	RT. TURN ISLAND	9.78	TO CASINO
15	SB 141	-	-	RT. TURN ISLAND	17.78	FROM CASINO
15	141	368+97.0	369+15.3	MEDIAN	30.90	N. SIDE MEDIAN
				SUBTOTALS	274.18	
				PAY TOTAL	274.2	

NOTE: *** CONTRACTOR MAY REDUCE ISLAND REPLACED WITH APPROVAL FROM ENGINEER - DEPENDS ON PAVEMENT BELOW EXIST. MEDIAN & REMOVAL METHODS OF EXIST. ISLAND

NOTE: FOR MEDIAN LISTED ABOVE ON SHEET #7, USE 4" THICK MEDIAN. OTHER LOCATIONS ESTIMATED TO BE 6" MEDIAN.

REMOVAL OF SNOWPLOWABLE RAISED PAVEMENT MARKER

PLAN SHEET NO.	ROADWAY	LOCATION	REMOVAL OF SNOWPLOWABLE RAISED PMVT MARKER EACH	REMARKS
15	NB RTE. 141	S. OF CASINO CENTER DR.	24	
15	SB RTE. 141	S. OF CASINO CENTER DR.	6	
14 & 15	NB RTE. 141	BETWEEN PRITCHARD & CASINO	5	
14 & 15	SB RTE. 141	BETWEEN PRITCHARD & CASINO	5	
11	NB RTE. 141	CONC. SECTION NEAR LANDFILL	10	
		PAY TOTAL	50	

GUARDRAIL & CURB

PLAN SHEET NO.	ROADWAY	STATION	STATION	LOC.	MGS GUARDRAIL 6'-3" SPACING L.F.	MGS GUARDRAIL 6 FT. POSTS 3'-1.5" SPACING L.F.	MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR / NO CURB) EA	MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB) EA	MGS DOUBLE FACED GUARDRAIL L.F.	MGS END ANCHOR EA	INTEGRAL CURB (6" HEIGHT & UNDER) TYPE A L.F.	TYPE A CWET (MASH) EA	SHAPING SLOPES CLASS III - MODIFIED MATERIAL REQUIREMENT 100 FT.	REMARKS
5	141	293+06.6	295+44.5	MEDIAN			2		237.5			1	1	TYPE A CWET ATTACHED TO DOUBLE FACED GR MGS APPROACH SECTION SHALL BE 2-SIDED & CONNECT TO DOUBLE FACED GR
6	SB 141	283+51.1	284+01.1	RT.	50		1					1	1	SIGN TRUSS OVER SB 141 (MEDIAN)
6	SB 141	283+76.9	284+01.9	RT.	25		1					1	1	SIGN TRUSS OVER SB 141 (OUTSIDE SHOULDER)
7	SB 141	301+45.8	302+70.6	LT.	125			1				1	1	SIGN TRUSS NORTH OF BRIDGE - FLARE @ 25:1 MAX. STATIONING RUNS SOUTH TO NORTH
7	NB 141	301+41.2	302+92.1	RT.	150			1				1	1	SIGN TRUSS SOUTH OF BRIDGE - FLARE @ 25:1 MAX. STATIONING RUNS SOUTH TO NORTH
7	141	303+85.2	305+20.7	MEDIAN							145			
9	SB 141	318+27.6	320+02.6	RT.	175					1		1	1	POWER SUPPLY & DMS BOARD ALONG SB 141
9	NB 141	314+31.7	314+81.7	LT.	50		1					1	1	SIGN TRUSS OVER NB 141
13	SB 141	353+22.9	354+97.9	RT.	175					1		1	1	SIGN TRUSS SOUTH OF RIVERPORT DR. (SOUTH)
14 & 15	SB 141	363+99.5	364+99.5	RT.	75	25				1		1	1	SIGN TRUSS NORTH OF CASINO
15	SB 141	372+66.1	373+45.6	RT.	37.5		1			1				CREEK BRIDGE SOUTH OF CASINO
				SUBTOTALS	862.5	25.0	6	2	237.5	4	145.0	9	9	
				PAY TOTALS	863	25	6	2	238	4	145	9	9	

NOTE: ALL GRADING FOR MASH CWETs, AS PAID FOR WITH MODIFIED SHAPING SLOPES - CLASS III, SHALL USE ALTERNATE GRADING LIMITS AS SHOWN IN THE STD. PLANS.

NOTE: 2 BRIDGE ANCHOR SECTIONS SHALL BE PAID FOR TYING INTO TYPE C BARRIER BLOCK, WHICH CONNECTS TO THE DOUBLE FACED GUARDRAIL IN MEDIAN OF RTE. 141.

NOTE: CONTRACTOR MAY USE TYPE 'A' CURB DOWELED IN EXIST. CONCRETE OR TYPE 'S' CURB.

PAVEMENT & BARRIER

PLAN SHEET NO.	ROADWAY	STATION	STATION	LOC.	LENGTH FT.	WIDTH FT.	CONCRETE PAVEMENT (9" NON-REINF., 15' JOINTS) S.Y.	CONCRETE PAVEMENT (7.5" NON-REINF., 15' JOINTS) S.Y.	A2 SHOULDER S.Y.	TYPE 5 AGGR. FOR BASE (6" THICK) S.Y.	CONCRETE TRAFFIC BARRIER TYPE 'C' L.F.	TYPE 'E' CRASHWORTHY END TERMINAL (MASH) EACH	REMARKS
5	141	295+82.1	295+92.1	MEDIAN	10	2		2.22		2.2	10		MAY USE EXIST. BARRIER IN PLACE FOR BRIDGE ANCHOR SECTION(s) TIE-INS.
6	SB 141	280+00.0	284+39.2	RT.	439.2	7			341.60	414.8			
6	SB 141	284+39.2	284+64.2	RT.	25	8		22.22		22.2	25		NEXT TO EXIST. TRUSS (OUTSIDE SHOULDER)
6	SB 141	284+38.6	284+63.6	RT.	25	6		16.67		16.7	25		NEXT TO EXIST. TRUSS (INSIDE SHOULDER)
7	SB 141	300+98.3	301+08.3	LT.	10	2		2.22		2.2	10		TRANSITION FROM TYPE 'B' TO TYPE 'C' BARRIER STATIONING RUNS SOUTH TO NORTH
7	NB 141	301+05.3	301+70.3	RT.	65	2		14.44		14.4	65		INSTALL TYPE 'C' BARRIER FROM BRIDGE NORTH TO PAST CCTV CAMERA STATIONING RUNS SOUTH TO NORTH
7	NB 141	301+31.2	301+41.2	RT.	10	2		2.22		2.2	10		TRANSITION FROM TYPE 'B' TO TYPE 'C' BARRIER STATIONING RUNS SOUTH TO NORTH
7	141	302+49.4	303+42.7	MEDIAN	-	-					94	1	
7	141	303+85.7	305+20.7	MEDIAN	135.0	3.5	52.50			75.0			USE 4" BASE TO MATCH EXISTING - PAID AS 6" BASE
7	SB 141	301+45.8	302+45.8	LT.	100.0	3' TO 8'			61.11	61.1			START 3' A2 SHOULDER AT CONNECTION OF BAS & NEW GUARDRAIL
7	SB 141	302+45.8	303+68.8	LT.	125.9	8			111.91	111.9			
7	NB 141	301+41.2	302+41.2	LT.	100.0	3' TO 8'			61.11	61.1			START 3' A2 SHOULDER AT CONNECTION OF BAS & NEW GUARDRAIL
7	NB 141	302+41.2	303+92.3	LT.	152.4	8			135.47	135.5			
8	NB 141	304+50.0	312+27.7	LT.	777.7	9			777.70	907.3			
9	NB 141	313+69.7	313+94.7	LT.	25	6		16.67		16.7	25		FOR EXIST. SIGN TRUSS OVER NB 141
15	SB 141	373+95.6	373+45.6	RT.	50	2		11.11		11.1	50		TRANSITION FROM TYPE 'B' BARRIER ON BRIDGE TO TYPE 'C'
						SUBTOTALS	52.50	87.77	1488.90	1854.4	314	1	
						SUBTOTALS - FENCING	0.00	0.00	0.00	53.3	0	0	
						PAY TOTALS	52.5	87.8	1488.9	1908	314	1	

NOTE: CONTRACTOR MAY CHOOSE TO USE EITHER CONCRETE OR ASPHALT FOR NEW A2 SHOULDER PER MODOT STD. PLANS

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 9:11:58 AM
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DATE PREPARED
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ROUTE	STATE
141	MO
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COUNTY: ST. LOUIS

JOB NO.: JSL0028

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

QUANTITY SHEETS
SHEET 3 OF 11

PAVEMENT REPAIRS

ROADWAY	LOC.	LANE# IN DIRECTION OF TRAVEL	# OF LOCATIONS	LENGTH FT.	WIDTH FT.	REMOVAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR S.Y.	FURNISHING & PLACING BIT. MATERIAL FOR CLASS C PARTIAL DEPTH PVMT REPAIR TONS	FURNISHING & PLACING CONC. MATERIAL FOR FULL DEPTH PVMT. REPAIR S.Y.	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR) S.Y.	TYPE 1 OR 5 AGGR. FOR BASE (4" THICK) (PAVEMENT REPAIR) S.Y.	FULL DEPTH PVMT. REPAIR SAW CUT (FOR PERIMETER & INTERNAL SAW CUTS) L.F.	DOWEL BAR (DRILLING, FURNISHING & INSTALLATION) FOR FULL DEPTH PVMT. REPAIR EA	DOWEL BAR (FURNISHING & INSTALLATION WITH BASKETS) FOR FULL DEPTH PVMT. REPAIR EA	TIE BAR (DRILLING, FURNISHING & INSTALLATION FOR FULL DEPTH PAVEMENT REPAIR (TYPE L JOINTS) EA	REMARKS
NB 141	S. OF SIGN TRUSS TO EB 70	1 TO 3	1	6	36			24	24	24	114	72			
NB 141	S. OF SIGN TRUSS TO EB 70	1 TO 3	1	6	36			24	24	24	114	72			
NB 141	UNDER 70 BRIDGE	3	1	6	12			8	8	8	42	24			
NB 141	N. OF LOOPS	2	1	12	12			16	16	16	72	24			
NB 141	N. OF LOOPS	2	1	6	12			8	8	8	42	24			
NB 141	N. OF WB OFF-RAMP	1	1	6	12			8	8	8	42	24			
NB 141	JUST S. OF BEGINNING OF JOB	1 & 2	1	15	24			40	40	40	159	48	24	5	
NB 141	TBD BY THE ENGINEER	TBD	2	6	12			16	16	16	42	24			
SB 141	NEXT TO EXIST. REPAIR S. OF RAMP FROM EB 70	2 & 3	1	20	24			53.3	53.3	53.3	204	48	24	7	
SB 141	S. OF SIGN TRUSS OVER NB 141	2 & 3	1	6	24			16	16	16	78	48			
SB 141	N. OF SIGN TRUSS OVER NB 141	1 TO 3	1	6	36			24	24	24	114	72			
SB 141	N. OF ADDED LANE SIGN NEAR RAMP FROM EB 70	1	1	6	12			8	8	8	42	24			
SB 141	N. OF ADDED LANE SIGN NEAR RAMP FROM EB 70	2	1	6	12			8	8	8	42	24			
SB 141	S. OF RAMP TO EB 70	1 & 2	2	6	24			32	32	32	78	48			
SB 141	S. OF RAMP TO EB 70	2	2	6	12			16	16	16	42	24			
SB 141	N. OF 2-SIDED GUARDRAIL CWET APPROACHING 70	1 & 2	1	6	24			16	16	16	78	48			
SB 141	N. OF SIGN TRUSS TO WB 70	2 & 3	1	12	24			32	32	32	132	48		4	
SB 141	TBD BY THE ENGINEER	TBD	2	6	12			16	16	16	42	24			
SB 141	NEAR BEGINNING OF PROJECT	1	1	2	2	0.44	0.07								
SB 141	NEAR BEGINNING OF PROJECT	2	1	2	2	0.44	0.07								
SB 141	N. OF SIGN TRUSS	2	1	2	2	0.44	0.07								
SB 141	S. OF SIGN TRUSS	2	1	2	2	0.44	0.07								
SB 141	NEAR TWO SIDED GUARDRAIL	1	1	2	2	0.44	0.07								
SB 141	N. OF BRIDGE	2	2	2	2	0.89	0.15								
SB 141	UNDER 70 BRIDGE	2	1	2	2	0.44	0.07								
SB 141	S. OF BRIDGE	2	1	2	2	0.44	0.07								
SB 141	N. OF EXIT TO EB 70	2	1	2	2	0.44	0.07								
SB 141	N. OF EXIT TO EB 70	1	1	2	2	0.44	0.07								
SB 141	N. OF RAMP FROM WB 70	2	1	2	2	0.44	0.07								
SB 141	TBD BY THE ENGINEER	TBD	20	2	2	8.89	1.48								
NB 141	N. OF EXIT TO EB 70	1	1	4	2	0.89	0.15								
NB 141	AT RAMP FROM WB 70 TO NB 141	1	1	2	2	0.44	0.07								
NB 141	UNDER 70 BRIDGE	2	1	2	2	0.44	0.07								
NB 141	UNDER 70 BRIDGE	3	1	2	2	0.44	0.07								
NB 141	S. OF BEGINNING OF PROJECT	1	1	2	2	0.44	0.07								
NB 141	TBD BY THE ENGINEER	TBD	10	2	2	4.44	0.74								
					SUBTOTALS	21.27	3.50	365.3	365.3	365.3	1479	720	48	16	
					PAY TOTALS	21.3	3.5	365.3	366	366	1479	720	48	16	

NOTE: INSTEAD OF CL. B PARTIAL DEPTH REPAIRS W/ ASPHALT, REPAIR AREAS SHALL BE MILLED AND THEN FILLED IN W/ BP-1.
NOTE: EXIST. CONC. PAVEMENT IS EITHER 9" NRPCCP OR 10" RPCCP.
NOTE: BEFORE INSTALLING UBAWS OVERLAY, CONTRACTOR SHALL MAKE REPAIRS AFTER EXIST. UBAWS IS REMOVED & DRIVEN UPON.
NOTE: ALL REPAIRS NOTED ABOVE ARE FOR SECTION OF PAVEMENT NORTH OF RIVERPORT DRIVE - NORTH INTERSECTION.

ADJUSTING MANHOLES, VALVES, AND PULL BOXES

PLAN SHEET NO.	ROADWAY	STATION	LOC.	ATG AT&T MANHOLE EACH	ATG AMEREN MANHOLE EACH	CONCRETE MANHOLE APRON EACH	REMARKS
11	SB 141	326+99.3	157.9' RT.	0	0	0	MSD SANITARY MANHOLE - DND
11	SB 141	328+44.6	53.5' RT.	1		1	
11	SB 141	328+58.5	51.2' RT.	1		1	
12	SB 141	343+00.0	48.2' RT.	1		1	
13	SB 141	349+09.0	95.9' RT.	1		1	
13	SB 141	349+46.7	74.6' RT.	1		1	
14	SB 141	359+59.4	58.8' RT.		1	1	
14	SB 141	364+06.5	62.9' RT.		1	1	
15	SB 141	368+15.0	68.4' RT.		1	1	
15	SB 141	373+31.6	56.8' RT.	0		0	ADJUSTED ALREADY ON JSL0017??
ADDITIONAL LOCATIONS DETERMINED IN FIELD	141	-	-	1	1	2	
			PAY TOTALS	10		10	

NOTE: NEXTLINK MANHOLES MAY BE LABELED AS AT&T MANHOLES

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:07:02 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED 7/23/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	3

COUNTY ST. LOUIS
JOB NO. JSL0028
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)

QUANTITY SHEETS
SHEET 4 OF 11

COLDMILLING & RESURFACING

PLAN SHEET NO.	STATION	STATION	ROADWAY	LOCATION	LANES	LENGTH FT.	WIDTH FT.	AREA S.F.	COLDMILLING BIT. PAVEMENT FOR REMOVAL OF SURFACING (3" OR LESS) S.Y.	MODIFIED COLDMILLING (DEPTH TRANSITIONS) S.Y.	ULTRATHIN BONDED WEARING SURFACE, TYPE 'B' S.Y.	ASPHALTIC CONC. MIXTURE PG 70-22 (SP125CLP MIX) 2 TONS/C.Y. TONS	BIT. PAVEMENT MIXTURE PG 64-22 (BP-1) 2 TONS/C.Y. TONS	TACK COAT 0.13 GAL/S.Y. GAL.	REMARKS
4 & 5	277+61.1	278+36.1	NB 141	LT.	ALL LANES & INSIDE SHLDR	75.00	VARIES	4123.5	458.2		458.2				
4	278+36.1	287+91.5	NB 141	LT.	LANES 1 TO 3	955.40	VARIES	42426.1	4714.0		4714.0				
4	277+61.1	285+50.0	NB 141	LT.	OVERLAP ONTO OUTSIDE SHDR.	788.90	1.5	1183.35	0.0		131.5				
4 & 5	277+61.1	288+54.6	NB 141	LT.	OUTSIDE SHLDR	1093.50	VARIES	11556.6	1284.1				214.02	166.9	
5	287+91.5	295+99.5	NB 141	LT.	OUTSIDE SHLDR	808.00	VARIES	9391.4	1043.5				173.92	135.7	
5	287+19.5	295+99.5	NB 141	LT.	OVERLAP ONTO OUTSIDE SHDR.	880.00	1.5	1320	0.0		146.7				
5	287+85.3	288+63.4	WB 70 OFF-RAMP	LT.	RAMP	74.70	VARIES	1248.7	0.0	138.7	138.7				
5	287+85.3	288+63.4	WB 70 OFF-RAMP	LT.	OVERLAP ONTO RAMP	74.70	1.5	112.05	0.0		12.5				
5 TO 9	287+91.5	314+74.0	NB 141	LT.	LANES 1 TO 3	2682.50	VARIES	84059.7	9340.0		9340.0				
5	295+13.9	295+73.6	WB 70 ON-RAMP	LT.	RAMP	68.80	VARIES	1588.8	176.5		176.5				
5 & 7	295+13.9	295+73.6	WB 70 ON-RAMP	LT.	OVERLAP ONTO RAMP	68.80	1.5	103.2	0.0		11.5				
7	302+80.1	304+16.8	EB OFF-RAMP	LT.	RAMP	136.70	VARIES	2029.3	225.5		225.5				
7	304+16.8	304+80.4	EB OFF-RAMP	LT.	RAMP	63.60	VARIES	1298.5	144.3		225.5				
6	279+25.0	280+00.0	SB 141	RT.	LANES 1 TO 3	75.00	VARIES	3029.1	336.6		336.6				
6 TO 9	280+00.0	314+74.3	SB 141	RT.	LANES 1 TO 3	3474.30	VARIES	110515.7	12279.5		12279.5				
6 & 5	284+45.0	296+01.6	SB 141	RT.	OUTSIDE SHLDR	1156.60	VARIES	13625.1	1513.9				252.32	196.8	
6	284+64.3	286+15.0	SB 141	RT.	OUTSIDE RAMP SHDR.	150.70	VARIES	1073.7	119.3				19.88	15.5	
6 & 7	284+45.0	285+57.6	SB 141 RAMP TO WB 70	RT.	RAMP	112.60	VARIES	1950.7	216.7		216.7				
6	279+25.0	286+15.0	START TO END OF RAMP TO WB 70	RT.	OVERLAP ONTO OUTSIDE SHDR.	700.50	1.5	1050.75	0.0	0.0	116.8				
6 & 7	284+45.0	296+01.6	SB 141	RT.	OVERLAP ONTO OUTSIDE SHDR.	1156.60	1.5	1734.9	0.0	0.0	192.8				
6 & 7	284+45.0	286+23.3	INSIDE SHDR. OF RAMP FROM SB 141 TO WB 70	RT.	RAMP SHDLR.	185.80	1.5	278.7	0.0	0.0	31.0				
7 TO 9	304+85.6	313+44.7	SB 141	RT.	OVERLAP ONTO OUTSIDE SHDR.	859.10	1.5	1288.65	0.0	0.0	143.2				
7 TO 9	304+49.6	313+47.9	NB 141	LT.	OVERLAP ONTO OUTSIDE SHDR.	898.30	1.5	1347.45	0.0	0.0	149.7				
9	313+52.3	319+62.4	SB 141	RT.	OVERLAP ONTO OUTSIDE SHDR.	610.10	1.5	915.15	0.0	0.0	101.7				
9	313+69.7	321+03.2	NB 141	LT.	OVERLAP ONTO OUTSIDE SHDR.	733.50	1.5	1100.25	0.0	0.0	122.3				
6	285+57.6	286+23.3	SB 141 RAMP TO WB 70	RT.	RAMP	69.90	VARIES	1181.8	131.3		131.3				
7	303+21.1	304+24.2	SB RAMP TO EB 70	RT.	RAMP	103.10	VARIES	2181.2	242.4		242.4				
7	304+24.2	304+77.4	SB RAMP TO EB 70	RT.	RAMP	60.00	VARIES	1199.3	133.3		133.3				
5 & 7	295+50.9	295+97.8	WB 70 OFF-RAMP TO SB 141	LT.	RAMP	46.90	VARIES	917	101.9		101.9				
6 & 7	295+97.8	302+69.7	WB 70 OFF-RAMP TO SB 141	LT.	RAMP	135.90	VARIES	1973.5	219.3		219.3				
7	303+77.7	304+83.7	NB 141	LT.	OUTSIDE RAMP SHLDR.	106.00	VARIES	999.1	111.0				18.50	14.4	
7 TO 9	304+02.2	313+47.9	SB 141	RT.	OUTSIDE RAMP SHLDR.	945.70	VARIES	10085.7	1120.6				186.77	145.7	
9	311+67.2	312+23.5	NB 141	LT.	INSIDE RAMP SHLDR.	56.30	VARIES	274.6	30.5				5.08	4.0	
9	311+77.1	313+69.7	NB 141	LT.	OUTSIDE RAMP SHLDR.	192.60	VARIES	692.4	76.9				12.82	10.0	
9	311+76.0	312+30.4	NB 141	LT.	RAMP	59.30	VARIES	1096.5	121.8		121.8				
9	312+25.3	313+44.6	NB 141	LT.	RAMP	119.30	VARIES	2306	256.2		256.2				
9	314+74.0	315+48.9	NB 141	LT.	LANES 1 TO 3	74.90	VARIES	2815.1		312.8	312.8				
9 TO 10	315+48.9	323+24.3	NB 141	LT.	LANES 1 TO 3	775.40	VARIES	27727.9	0.0	0.0	3080.9				
10	323+24.3	323+99.5	NB 141	LT.	LANES 1 TO 3	75.20	VARIES	2658.8	0.0	295.4	295.4				
9	311+76.5	319+88.7	SB 141	RT.	OUTSIDE SHLDR.	812.20	VARIES	7101.8	789.1				131.52	102.6	
9 & 10	313+94.7	323+77.4	NB 141	LT.	OUTSIDE SHLDR.	982.70	VARIES	11093	1232.6				205.43	160.2	
9	311+74.7	312+47.4	SB 141	RT.	EB OFF-RAMP	72.70	VARIES	1773.2	197.0		197.0				
9	312+47.4	313+52.3	SB 141	RT.	EB OFF-RAMP	104.90	VARIES	1302.9	144.8		144.8				
10 & 11	323+99.5	326+79.5	NB 141	LT.	LANE 1	280.00	VARIES	10078.9	1119.9	0.0	1119.9				
9	314+74.3	315+49.3	SB 141	RT.	LANES 1 TO 3	75.00	VARIES	2771.5	0.0	307.9	307.9				
9 & 10	315+49.3	323+27.4	SB 141	RT.	LANES 1 TO 5	778.10	VARIES	38009.8	0.0	0.0	4223.3				
10	323+27.4	324+02.4	SB 141	RT.	LANES 1 TO 6	75.00	VARIES	5631.4	0.0	625.7	625.7				
10 & 11	324+02.4	325+79.8	SB 141	RT.	LANE 5	177.40	VARIES	2155.9	239.5	0.0	239.5				
10 & 11	324+02.4	326+67.0	SB 141	RT.	LANE 5 & 6	264.60	VARIES	4213	468.1	0.0	468.1				
11 TO 13	327+76.6	350+27.0	141	LT. & RT.	ALL LANES	2250.40	VARIES	143162.2	0.0	0.0	15906.9				
11 TO 13	327+76.6	350+27.0	141	LT. & RT.	RT. LANES ONLY	2250.40	VARIES	43971.6	0.0	4885.7	4885.7				
13	347+13.9	350+27.0	SB 141	RT.	FAR RT. LANE	313.10	VARIES	3820.5	0.0	424.5	424.5				
13	347+34.4	349+18.8	NB 141	LT.	FAR RT. LANE	184.40	VARIES	2182.2	0.0	242.5	242.5				NOT RT. TURN INTO FIRE HOUSE
13	349+18.8	350+27.0	NB 141	LT	NEXT TO RT. TURN LANE	108.20	VARIES	1245.6	0.0	0.0	138.4				
13	350+27.0	351+02.0	141	LT. & RT.	ALL LANES	75.00	VARIES	8641.2	0.0	960.1	960.1				
13	349+18.7	350+27.0	NB 141	LT.	RT. TURN LANE TO FIRE HOUSE	108.30	VARIES	1691.8	0.0	188.0	188.0				
11	329+94.0	330+69.0	NB 141	LT.	LANES 1 TO 5	75.00	VARIES	4629.9	0.0	514.4	514.4				
11	326+67.0	327+17.3	SB 141	RT.	LANE 5 & 6	50.30	VARIES	2367	0.0	263.0	263.0				TIE INTO RIVERPORT NORTH
11	RP NORTH	329+94.0	SB 141	RT.	LANE 4	-	VARIES	3441.3	382.4	0.0	382.4				
11	328+00.0	329+94.0	SB 141	RT.	LANE 1	194.00	VARIES	2328	258.7	0.0	258.7				
11	328+00.0	329+94.0	SB 141	RT.	LANES 2 & 3	194.00	VARIES	4689.3	521.0	0.0	521.0				
11	-	-	RIVERPORT NORTH	RT.	LANE 3	-	VARIES	817.3		90.8	90.8				
11	-	-	RIVERPORT NORTH	RT.	WITHIN EX. ROW	-	VARIES	4990.7	554.5			61.61		72.1	
11			LANDFILL	LT.	WITHIN EX. ROW	-	VARIES	3441.2	382.4			42.49		49.7	
13	-	-	RIVERPORT SOUTH	RT.	WITHIN EX. ROW	-	VARIES	15322.8	1702.5			189.17		221.3	
13 & 14	352+05.8	359+18.6	NB 141	LT.	OUTSIDE SHLDR.	712.80	VARIES	9202.2	1022.5				170.42	132.9	TO PRICHARD FARM RD.
13 TO 15	350+86.0	369+31.3	SB 141	RT.	OUTSIDE SHLDR.	1845.30	VARIES	22234.6	2470.5				411.75	321.2	TO CASINO CTR. DR.
15	370+03.3	372+31.8	SB 141	RT.	OUTSIDE SHLDR.	228.50	VARIES	3231	359.0				59.83	46.7	S. OF CASINO CTR. DR.
14 TO 15	359+71.0	372+55.4	NB 141	LT.	OUTSIDE SHDLR.	1284.40	VARIES	17053.2	1894.8				315.80	246.3	FROM PRICHARD FARM RD.
14 & 15	362+57.1	365+57.1	SB 141	RT.	LANE 3	300.00	12+	3719.0	413.2			45.91		53.7	
								SUBTOTALS	48549.8	9249.5	66268.8	339.18	2178.06	2095.7	
								PAY TOTALS	48550	9250	66269	339.2	2178.1	2096	

NOTE: THE 1.5' WIDTH IS TO OVERLAP UBAWS ONTO OUTSIDE SHOULDER
NOTE: SIDE STREETS TO HAVE 2" MILL/FILL, SHOULDERS TO HAVE 3" MILL/FILL.

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:07:17 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED: 7/23/2024
ROUTE: 141 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0028
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)

QUANTITY SHEETS
SHEET 5 OF 11

PAVEMENT MARKINGS

PLAN SHEET NO.	ROADWAY	STA.	STA.	4" YELLOW HIGH BUILD WATERBORNE PAINT (S.Y.) (L.F.)	4" YELLOW HIGH BUILD WATERBONE PAINT (D.S.Y.) (L.F.)	6" YELLOW HIGH BUILD WATERBORNE PAINT (S.Y.) (L.F.)	12" WHITE HIGH BUILD WATERBORNE PAINT (S.W.) (L.F.)	6" WHITE HIGH BUILD WATERBORNE PAINT (S.W.) (L.F.)	6" WHITE HIGH BUILD WATERBORNE PAINT (I.W.) (L.F.)	6" WHITE HIGH BUILD WATERBORNE PAINT (DOTTED) (L.F.)	PAVEMENT MARKING REMOVALS L.F.	REMARKS
20	NB 141	277+61.1	285+50.0			788.9		788.9	394.5			
21	NB 141	285+50.0	296+10.0			1266.0	434.0	1232.0	265.0			
21	SB 141	285+50.0	296+10.0			1060.0		265.0	1060.0			
22	SB 141	296+10.0	306+00.0			1025.0	548.0		244.3			
22	SB 141	302+69.7	302+35.9					1035.0				
23	SB 141	279+25.0	285+50.0			704.0	407.0	700.0	156.3			
24	SB 141	306+00.0	310+50.0			450.0		450.0	112.5			
25	SB 141	310+50.0	321+00.0			1126.0	298.0	434.3	1022.0			
26	SB 141	321+00.0	325+50.0					450.0				EDGE LINE ONLY - NOT IN BETWEEN LANES
26	SB 141	321+00.0	323+21.9			221.9						
26	141	323+21.9	325+50.0		456.2							
22	NB 141	296+10.0	306+00.0			1027.0	487.0	1044.5	244.3			
24	NB 141	306+00.0	310+50.0			450.0		450.0	112.5			
25 TO 27	NB 141	314+73.7	326+77.7									
25	NB 141	310+50.0	321+00.0			1090.0	406.0	996.0	262.5			
26	NB 141	321+00.0	323+21.9			221.9						
26	NB 141	321+00.0	325+50.0					450.0	112.5			
27	141	325+50.0	326+78.1		256.2							
27	SB 141	329+10.0	331+61.7							62.9		
27	SB 141	327+97.1	335+00.0		1405.8				351.5			
28	SB 141	335+00.0	345+00.0		2000.0			1000.0	500.0	44.0		6" D.W. CALC. FROM 343+22 TO 345+00
29	SB 141	345+00.0	348+12.0					618.0				
29	SB 141	349+00.0	355+00.0					1078.7	300.0			
30	SB 141	359+36.8	359+86.8								20.0	REMOVE I.W. STRIPE THRU INTERSECTION FOR LANE 3
30 & 31	SB 141	360+13.5	365+31.2								129.4	REMOVE I.W. STRIPE - REPLACE W/ 12" DOTTED STRIPE
31	SB 141	365+31.2	368+65.0				333.8					
27	NB 141	325+50.0	327+33.0					186.0	32.0			
27	NB 141	332+16.1	335+00.0						142.0			
27	NB 141	326+80.1	335+00.0					1106.0				INCLUDES ISLAND AT LANDFILL ENTRANCE
28	NB 141	335+00.0	345+00.0		2000.0			1000.0	500.0			
29	NB 141	345+00.0	348+12.0					248.2	147.2			
29	NB 141	349+10.0	355+00.0					848.5	154.0			
31	NB 141	364+25.0	BRIDGE (373+19.3)			869.3		894.3	234.5			STRIPE ONLY EDGE LINE
27	RIVERPORT NORTH	-	-		138.0				17.0			
27	LANDFILL	-	-		76							TO NB 141
29	FIRE STATION	-	-		394							TO NB 141
29	RIVERPORT SOUTH	-	-		154							TO SB 141
30	PRICHARD FARM RD.	-	-		167				20			TO NB 141
			SUBTOTALS	0.0	7047.2	10300.0	2913.8	15275.4	6384.6	106.9	149.4	
			SUBTOTALS - THERMO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3672.0	
			SUBTOTALS - TEMPORARY	3266.5	0.0	0.0	0.0	10338.1	0.0	0.0	0.0	
			PAY TOTALS	10314		10300	2914	32105			3821	

NOTE: D.S.Y. QTY. PAID FOR AS INDIVIDUAL S.Y. STRIPES

PAVEMENT EDGE TREATMENT

ROADWAY	STATION	STATION	LOCATION	PAVEMENT EDGE TREATMENT L.F.	REMARKS
NB 141	277+61.1	288+55.5	LT.	1094.4	START TO WB 70 OFF-RAMP
NB 141	287+93.5	296+01.5	LT.	808.0	BETWEEN WB OFF-RAMP & LOOP TO WB 70
SB 141	285+77.1	296+01.5	RT.	1024.4	BETWEEN WB ON-RAMP & LOOP FROM WB 70
SB 141	304+02.2	313+47.9	RT.	945.7	BETWEEN LOOP FOR EB ON-RAMP & RAMP FROM EB 70
NB 141	313+94.7	323+78.4	LT.	983.7	N. OF LANDFILL DRIVE
SB 141	311+76.5	319+87.3	RT.	810.8	N. OF RIVERPORT DRIVE - NORTH
NB 141	349+31.8	351+10.6	LT.	178.8	S. OF FIRE STATION
NB 141	352+11.4	359+08.5	LT.	766	S. OF FIRE STATION
NB 141	359+71.0	372+55.4	LT.	1296	PRITCHARD FARM RD. TO BRIDGE
SB 141	351+20.5	369+21.2	RT.	1800.7	RP SOUTH TO CASINO
SB 141	370+02.8	372+31.8	RT.	293	CASINO TO BRIDGE
			PAY TOTAL	10002	

NOTE: ALL PET SHOWN FOR 3" MILL SHOULDER AREAS

DRAINAGE

PLAN SHEET NO.	ROADWAY	STATION	LOCATION	5x3 GRATE & BEARING PLATE EACH	CULVERT CLEANOUT EACH	REMARKS
7	NB 141	301+00	RT.		1	
7	NB 141	300+75	RT.		1	
7	NB 141	300+50	RT.		1	
7	NB 141	301+44	LT.		1	
7	SB 141	301+30	LT.		1	
7	SB 141	301+00	LT.		1	
7	SB 141	300+75	LT.		1	
7	SB 141	300+50	LT.		1	
7	SB 141	301+45	RT.	1	1	
7	SB 141	302+45	RT.		1	
7	SB 141	303+41	RT.		1	
7	SB 141	304+34	RT.		1	
			PAY TOTALS	1	12	

NOTE: STATIONING REVERSES @ I-70, HEADS BOTH SOUTH & NORTH FROM I-70 TIE.

NOTE: CULVERT CLEAN-OUT SHALL BE USED TO CLEAN EACH INLET NOTED ABOVE - NO PIPES ARE INCLUDED WITHIN THE CLEANING.

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:07:32 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED: 7/23/2024

ROUTE	STATE
141	MO

DISTRICT	SHEET NO.
SL	3

COUNTY: ST. LOUIS

JOB NO.: JSL0028

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)

QUANTITY SHEETS
SHEET 6 OF 11

PAVEMENT MARKINGS (THERMOPLASTIC)

PLAN SHEET NO.	STA.	STA.	ROADWAY	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" WHITE L.F.	24" YELLOW L.F.	LEFT ARROW EACH	RIGHT ARROWS EACH	COMBINATION STR/LT ARROWS EACH	COMBINATION STR/RT ARROWS EACH	12" YIELD TRIANGLES EACH	LANE REDUCTION ARROW EACH	PAVEMENT MARKING REMOVALS L.F.	PAVEMENT MARKING REMOVALS (SYMBOLS) EACH	REMARKS
26	321+00.0	325+50.0	SB RTE. 141			1	6						1	REMOVE 1 IN CONC. SECTION (LT. TURN LANE)
25	310+50.0	321+00.0	NB RTE. 141				4							
26	321+00.0	325+50.0	NB RTE. 141				1							
27	325+50.0	335+00.0	SB RTE. 141	103		1					1	618	1	REMOVE 1 IN CONC. SECTION (LT TURN LANE)
29	345+00.0	355+00.0	SB RTE. 141	48		4	2						2	REMOVE 2 IN CONC. SECTION (LT. TURN LANES)
30	355+50.0	364+25.0	SB RTE. 141		39	7						234	7	REMOVE 7 IN CONC. SECTION (LT. TURN LANES)
31	364+25.0	370+00.0	SB RTE. 141		386		4					2316	4	REMOVE 4 IN CONC. SECTION (RT. TURN LANE)
27	325+50.0	335+00.0	NB RTE. 141	60		12	1		3			360	4	REMOVE 4 IN CONC. SECTION (LT. TURN LANES)
28	335+00.0	345+00.0	141 MEDIAN		401	1								
29	345+00.0	355+00.0	NB RTE. 141	186	261	5	2						3	REMOVE 3 IN CONC. SECTION (LT. TURN LANES)
30	355+50.0	364+25.0	NB RTE. 141	167	96		3				1		3	REMOVE 3 IN CONC. SECTION (RT. TURN LANE)
27	0+80	1+84	RIVERPORT NORTH	24		1	1	1						
27	-	-	LANDFILL	29		1		1						
29	-	-	RIVERPORT SOUTH	33		2	1	1						
30	-	-	PRICHARD FARM RD.	24		2	1					144	0	ARROWS MARKINGS MOSTLY GONE
27	-	-	LANDFILL							11				TO NB 141
27	-	-	LANDFILL							11				FROM NB 141
29	-	-	FIRE STATION							9				TO NB 141
29	-	-	FIRE STATION							9				FROM NB 141
29	-	-	RIVERPORT SOUTH							11				TO SB 141
30	-	-	PRICHARD FARM RD.							11				TO NB 141
30	-	-	PRICHARD FARM RD.							11				FROM NB 141
31	-	-	CASINO CENTER DR.							11				FROM SB 141
31	-	-	CASINO CENTER DR.							12				TO SB 141
31	-	-	BRIDGE			0 (4)								NO DIRECT PAY TO ADD 1.5" COTRAST BORDER TO 4 LT. TURN ARROWS
			SUBTOTALS	674	1183	37	26	3	3	96	2	3672	25	
			PAY TOTALS	674	1183	63		6		96	2	**	25	

NOTE: ALL THERMOPLASTIC PAVEMENT MARKINGS ON BOTH CONCRETE & ASPHALT/UBAWS PAVEMENT SHALL RECEIVE 1.5" CONTRAST BORDER.
NOTE: UIP ALL EXIST. THERMOPLASTIC MARKINGS INSTALLED SOUTH OF CASINO CENTER DR. AS PART OF JOB JSL0017.
NOTE: ALL REMOVALS ARE BASED UPON 4" MARKING, EXCEPT FOR 6" MARKINGS. FOR 24" WIDE STRIPE, REMOVALS ARE MULTIPLIED BY 6 TO GET TOTAL.
NOTE: SOME MEDIAN MARKINGS ARE SHOWN IN TOTALS FOR NB 141.
NOTE: ** INDICATES SEE PVMT MARKING TABULATION FOR FINAL PAY QUANTITIES.

CONC. SLOPE PROTECTION & EROSION CONTROL

PLAN SHEET NO.	ROADWAY	STATION	STATION	LOCATION	LENGTH OF SLOPE PROTECTION L.F.	DITCH WIDTH FT.	DITCH AREA S.F.	SLOPE PROTECTION S.Y.	ROCK DITCH CHECK L.F.	SILT FENCE L.F.	SEDIMENT REMOVAL C.Y.	REMARKS
6	SB 141	280+00.0	284+39.2	RT.	N/A	N/A	N/A			459.2	4.6	FOR A2 SHLDR CONSTRUCTION
7 & 8	NB 141	304+50.0	312+27.7	LT.	N/A	N/A	N/A			797.7	8.0	FOR A2 SHLDR CONSTRUCTION
7	NB 141	301+44.0	-	LT.	N/A	N/A	N/A		15		1.0	PLACE AROUND S-INLET
7	SB 141	301+30.0	-	LT.	N/A	N/A	N/A		15		1.0	PLACE AROUND S-INLET
7	SB 141	301+45.8	303+68.8	LT.	N/A	N/A	N/A			243.0	2.4	FOR REMOVAL OF RAISED SHLDR & NEW A2 SHDLR
7	NB 141	301+41.2	303+92.3	LT.	N/A	N/A	N/A			271.1	2.7	FOR REMOVAL OF RAISED SHLDR & NEW A2 SHDLR
10	SB 141	322+00.0	-	RT.	N/A	N/A	N/A			40.0	0.4	PLACE SILT FENCE AROUND ERODED AREA
47	SB 141	331+14.00		RT.	12.0	6	72.0	8.0		18.0	0.2	
47	SB 141	331+64.00		RT.	12.0	6	72.0	8.0		18.0	0.2	
47	SB 141	332+14.00		RT.	13.0	6	78.0	8.7		18.0	0.2	
47	SB 141	332+64.00		RT.	15.0	6	90.0	10.0		18.0	0.2	
47	SB 141	333+14.00		RT.	16.0	6	96.0	10.7		18.0	0.2	
47	SB 141	333+64.00		RT.	18.0	6	108.0	12.0		18.0	0.2	
47	SB 141	334+14.00		RT.	20.0	6	120.0	13.3		18.0	0.2	
47	SB 141	334+64.00		RT.	21.0	6	126.0	14.0		18.0	0.2	
48	SB 141	335+14.00		RT.	19.0	6	114.0	12.7		18.0	0.2	
48	SB 141	335+64.00		RT.	7.0	6	42.0	4.7		18.0	0.2	
48	SB 141	336+14.00		RT.	13.0	6	78.0	8.7		18.0	0.2	
48	SB 141	336+64.00		RT.	13.0	6	78.0	8.7		18.0	0.2	
48	SB 141	337+13.00		RT.	11.0	6	66.0	7.3		18.0	0.2	
48	SB 141	337+58.00		RT.	16.0	6	96.0	10.7		18.0	0.2	
48	SB 141	338+17.00		RT.	20.0	6	120.0	13.3		18.0	0.2	
48	SB 141	338+67.00		RT.	20.0	6	120.0	13.3		18.0	0.2	
48	SB 141	339+17.00		RT.	11.5	6	69.0	7.7		18.0	0.2	
48	SB 141	339+70.00		RT.	7.0	6	42.0	4.7		18.0	0.2	
48	SB 141	340+09.00		RT.	7.0	6	42.0	4.7		18.0	0.2	
48	SB 141	340+73.00		RT.	4.0	6	24.0	2.7		18.0	0.2	
47 & 48	NB 141	340+00.00	348+35.00	LT.	12.0	6	72.0	56.0		126.0	1.3	7 CURB CUTS
47 & 48	SB 141	TBD		RT.	12.0	6	72.0	40.0		90.0	0.9	5 ADDITIONAL CURB CUTS
							SUBTOTALS	279.9	30.0	2387.0	26.3	
							PAY TOTALS	280	30	2387	27	

NOTE: SEDIMENT REMOVAL IS BASED ON 1 CY PER DITCH CHECK AND 1 CY PER 100' OF SILT FENCE
NOTE: CONTRACTOR TO REMOVE EXIST. PERM. EROSION CONTROL AT CURB CUTS & INSTALL NEW CONC. SLOPE PROTECTION
NOTE: DEPTH OF CONC. SLOPE PROTECTION AT CURB CUTS SHALL BE 4" THICK.

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:07:46 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED: 7/23/2024
ROUTE: 141 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0028
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)

QUANTITY SHEETS
SHEET 7 OF 11

PAVEMENT MARKINGS (THERMOPLASTIC) - WHITE LINE MARKINGS

PLAN SHEET NO.	ROADWAY	STA.	STA.	PREFORMED THERMOPLASTIC PAVEMENT MARKING 6" WHITE (L.F.)	6" DOTTED WHITE (L.F.)	12" DOTTED WHITE (L.F.)	REMARKS
25	SB RTE. 141	31820.5	32100		69.9		
26	SB RTE. 141	321+00.0	325+50.0	1800			
26	SB RTE. 141	324+00.0	325+50.0	300			ON EITHER SIDE OF CHEVRONS
27	SB RTE. 141	325+50.0	RP DRIVE	355			AROUND RT. TURN (1 LINE IN BETWEEN LANES)
27	SB RTE. 141	325+50.0	327+00.0	578.3			
28 - 29	SB	341+11.0	345+29.0		104.5		
29	SB RTE. 141	345+29.0	348+12.0	856.0			
29	SB RTE. 141	353+57.0	355+50.0	193.0			
30	SB RTE. 141	355+50.0	358+87.2	997.5			
30	SB RTE. 141	-	-		49.7		FROM PRICHARD FARM RD.
31	SB RTE. 141	365+31.2	369+07.6	376.4			
27	NB RTE. 141	327+95.0	332+16.0	842			
27	NB RTE. 141	327+95.0	334+87.0	1384			
27	NB RTE. 141	-	-		49.4		TO RP-NORTH
27	NB RTE. 141	-	-		38.5		FROM RP-NORTH
27	SB RTE. 141	-	-		37.3		TO LANDILL
27	SB RTE. 141	-	-		42.5		FROM LANDFILL
27 - 28	NB RTE. 141	334+87.0	336+56.0		42.3		
29	NB RTE. 141	349+10.0	353+21.0	1442			
29	NB RTE. 141	-	-		38.0		TO RP-SOUTH
29	NB RTE. 141	-	-		95.0		FROM RP-SOUTH
29 - 30	NB RTE. 141	353+21.6	356+25.0		75.9		
30	NB RTE. 141	360+08.3	362+41.4	737.2	271.0		
30	NB RTE. 141	357+15.3	358+63.0	45	27.5		
30 - 31	NB RTE. 141	362+41.0	364+78.0		59.3		
27	RIVERPORT NORTH	0+80	1+84	186.1			
27	LANDFILL	-	-	49.6			
29	RIVERPORT SOUTH	-	-	265.5			
30	PRICHARD FARM RD.	-	-	188.1			
22	SB 141	296+10.0	306+00.0			126.0	
22	SB 141	302+69.7	302+35.9			126.0	
23	SB 141	279+25.0	285+50.0			82.0	
22	NB 141	296+10.0	306+00.0			133.0	
25 TO 27	NB 141	314+73.7	326+77.7			301.0	
30 & 31	SB 141	360+13.5	365+31.2			129.4	
			SUBTOTALS	10595.7	1000.8	897.4	
			PAY TOTAL	11597		898	

NOTE: ALL THERMOPLASTIC PAVEMENT MARKINGS ON BOTH CONCRETE & ASPHALT/UBAWS PAVEMENT SHALL RECEIVE 1.5" CONTRAST BORDER, EXCEPT 6" LINE MARKING.
NOTE: 6" DOTTED INTERSECTION MARKINGS SHALL BE 3' IN LENGTH FOLLOWED BY 6' GAP

TUBULAR MARKERS

PLAN SHEET NO.	ROADWAY	LOCATION	18" YELLOW ISLAND TUBULAR MARKER EACH	18" WHITE ISLAND TUBULAR MARKER EACH	REMARKS
15	CASINO CENTER DR.	RT. TURN ISLAND		3	FROM SB 141
15	CASINO CENTER DR.	RT. TURN ISLAND		3	TO SB 141
14 & 15	141	MEDIAN ISLAND	6		INSTALL AT NOSE
14	PRITCHARD FARM RD.	RT. TURN ISLAND		3	FROMP NB 141
14	PRITCHARD FARM RD.	RT. TURN ISLAND		3	TO NB 141
13	RIVERPORT SOUTH	RT. TURN ISLAND		3	FROM SB 141
13	RIVERPORT SOUTH	RT. TURN ISLAND		3	TO SB 141
13	FIRE STATION	RT. TURN ISLAND		3	FROM NB 141
13	FIRE STATION	RT. TURN ISLAND		3	TO NB 141
11	RIVERPORT NORTH	RT. TURN ISLAND		3	FROM SB 141
11	RIVERPORT NORTH	RT. TURN ISLAND		3	TO SB 141
11	LANDFILL	RT. TURN ISLAND		3	FROM NB 141
11	LANDFILL	RT. TURN ISLAND		3	TO NB 141
7 TO 10	141	MEDIAN ISLAND	6		INSTALL AT NOSE
		PAY TOTALS	12	36	

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:08:08 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED: 7/23/2024
ROUTE: 141 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0028
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)

QUANTITY SHEETS
SHEET 8 OF 11

FENCING

PLAN SHEET NO.	ROADWAY	BRIDGE#	QUADRANT	60" CHAIN-LINK FENCE L.F.	TYPE 5 AGGR. FOR BSE (6" THICK) S.Y.	
15	RTE. 141	A8121 & A8122	NW	60	13.3	
15	RTE. 141	A8121 & A8122	NE	67	14.9	CLEAR BRUSH BEFORE INSTALLING NEW FENCE
15	RTE. 141	A8121 & A8122	SW	63	14.0	
15	RTE. 141	A8121 & A8122	SE	50	11.1	
			SUBTOTALS	240	53.3	
			PAY TOTALS	240	**	

NOTE: FENCE TO BE PLACED ALONG EXIST. CIP (CAST-IN-PLACE) CONCRETE ABUTMENT WING WALL.
NOTE: INSTALL 2' WIDE AGGR. BASE ALONG EACH ABUTMENT WALL WING TO SEPARATE GRASS FOR MOWING
NOTE: A PORTION OF WING WALLS ARE BURIED - FENCING DOES NOT RUN ENTIRE LENGTH OF WINGS.
NOTE: ** INDICATES SEE PAVEMENT/BARRIER TABULATION FOR FINAL PAY TOTAL.

EXISTING IN-PAVEMENT WIRELESS DETECTION SYSTEMS REMOVAL & DISPOSAL

PLAN SHEET NO.	ROADWAY	LOCATION	REMARKS
6	SB 141	RT.	6 SENSYS PUCKS IN LANE 3 AT SIGN TRUSS FOR RAMP TO WB 70
7	NB 141	RT.	14 SENSYS PUCKS IN LANES 1, 2 & 3 NEAR RAMP FROM NB 141 TO WB 70
7	SB 141	LT.	3 SENSYS PUCKS IN LANES 1, 2 & 3 NEAR RAMP FROM WB 70 TO SB 141
7	SB 141	RT.	14 SENSYS PUCKS IN LANES 1, 2 & 3 NEAR RAMP FROM SB 141 TO EB 70
7	NB 141	LT.	4 SENSYS PUCKS IN LANES 1, 2 & 3 NEAR RAMP FROM EB 70 TO NB 141
9	NB 141	LT.	9 SENSYS PUCKS IN LANES 1, 2, & 3 AT SIGN TRUSS FOR RAMP TO EB 70
9	SB 141	RT.	9 SENSYS PUCKS IN LANES 2 & 3 AT THE SIGN TRUSS FOR RAMP FROM NB 141 TO EB 70
13	NB 141	LT.	9 SENSYS PUCKS IN LANES 1, 2 & 3 NORTH OF RIVERPORT DRIVE - SOUTH INTERSECTION
13	SB 141	RT.	9 SENSYS PUCKS IN LANES 1, 2 & 3 SOUTH OF RIVERPORT DRIVE - SOUTH INTERSECTION
		PAY TOTAL	1 LUMP SUM

NOTE: SEE JSP FOR ALL ITEMS TO BE INCLUDED IN SYSTEM REMOVAL - ONLY SENSYS PUCKS NOTED IN THE TABLE ABOVE BUT OTHER ITEMS TO BE REMOVED MAY BE INCLUDED.

SL DISTRICT TRAFFIC SIGNAL DETECTION

PLAN SHEET NO.	ROADWAY	INTERSECTION	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM EACH	REMARKS
18	RTE. 141	RIVERPORT (SOUTH)	1	
		TOTALS	1	

NOTE: SEE D37 SIGNAL SHEETS FOR ADDITIONAL INFORMATION

RESET EXIST. CONCRETE SIGNAL PULLBOX METAL FRAME & LID

PLAN SHEET NO.	ROADWAY	INTERSECTION	STATION	RESET EXIST. CONC. SIGNAL PULLBOX METAL FRAME & LID EACH	REMARKS
15	RTE. 141	CASINO CENTER DR.	369+02.3	1	REPLACE EXIST.
			PAY TOTAL	1	

RETROREFLECTIVE BACKPLATES

ROADWAY	INTERSECTION	RETROREFLECTIVE BACKPLATES EACH	REMARKS
NB RTE. 141	CASINO CENTER DRIVE	2	
SB RTE. 141	CASINO CENTER DRIVE	0	
CASINO CENTER DR.	RTE. 141	3	
NB RTE. 141	RIVERPORT (SOUTH)	5	
SB RTE. 141	RIVERPORT (SOUTH)	5	
RIVERPORT SOUTH APPROACH	RTE. 141	5	
FIRE STATION APPROACH	RTE. 141	3	
NB RTE. 141	RIVERPORT (NORTH)	5	
SB RTE. 141	RIVERPORT (NORTH)	5	
RIVERPORT NORTH APPROACH	RTE. 141	3	
LANDFILL APPROACH	RTE. 141	3	
	PAY TOTAL	39	

NOTE: SEE JSP FOR ADDITIONAL DETAILS
NOTE: RETROREFLECTIVE BACKPLATES TO BE INSTALLED FOR ALL SIGNAL HEADS ON ALL APPROACHES.
NOTE: PAY SHALL BE MADE FOR EACH SIGNAL HEAD REGARDLESS OF NUMBER OF INDICATIONS A SIGNAL HEAD HAS.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
Daniel Savageau
08/28/2024 9:13:23 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED: 8/28/2024
ROUTE: 141 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0028
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)

QUANTITY SHEETS
SHEET 9 OF 11

TEMPORARY BARRIER (FOR INFORMATIONAL PURPOSES ONLY)

PLAN SHEET NO.	ROADWAY	LOCATION	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED L.F.	IMPACT ATTENUATOR 45 MPH (SAND BARREL ARRAY) EACH	REMARKS
5	SB 141	RT.	336	1	INSIDE SHOULDER - NEW DOUBLE FACED GUARDRAIL
6	SB 141	RT.	252	1	INSIDE SHOULDER - NEW BARRIER NEXT TO SIGN TRUSS
6	SB 141	RT.	732	1	OUTSIDE SHOULDER - NEW BARRIER NEXT TO SIGN TRUSS
7	SB 141	LT.	108	1	OUTSIDE SHOULDER - EXTEND BARRIER N. OF I-70 BRIDGE STATIONING RUNS SOUTH TO NORTH
7	NB 141	RT.	396	1	OUTSIDE SHOULDER - EXTEND BARRIER S. OF I-70 BRIDGE STATIONING RUNS SOUTH TO NORTH
7	141	MEDIAN	684	2	NEW BARRIER/CWET IN MEDIAN S. OF I-70
8	NB 141	LT.	876	1	OUTSIDE SHOULDER RECONSTRUCTION
9	NB 141	LT.	252	1	OUTSIDE SHOULDER - NEW BARRIER NEXT TO SIGN TRUSS
15	SB 141	RT.	100	1	NEW BARRIER NEXT TO RESURFACED OUTSIDE SHOULDER
		TOTALS	3736	10	

NOTE: SEE TCP QTY. SHEET FOR PAY TOTALS
NOTE: FLARE TEMP. BARRIER @ 15:1
NOTE: TEMP. BARRIER SECTION LENGTH ESTIMATED @ 12'

TEMPORARY PAVEMENT MARKINGS

PLAN SHEET NO.	ROADWAY	STA.	STA.	4" YELLOW HIGH BUILD WATERBORNE PAINT (S.Y.) TYPE 'L' BEADS (L.F.)	6" WHITE HIGH BUILD WATERBORNE PAINT (S.W.) TYPE 'L' BEADS L.F.	REMARKS
20	NB 141	277+61.1	285+50.0	197.2	591.7	
21	NB 141	285+50.0	296+10.0	265.0	530.0	
21	SB 141	285+50.0	296+10.0	265.0	530.0	
22	SB 141	296+10.0	306+00.0	247.5	742.5	
22	SB 141	296+10.0	306+00.0	247.5	742.5	
23	SB 141	279+25.0	285+50.0	156.3	468.8	
24	SB 141	306+00.0	310+50.0	112.5	225.0	
25	SB 141	310+50.0	321+00.0	262.5	787.5	
26	SB 141	321+00.0	323+81.0	70.3	351.5	
26	141	323+81.0	324+00.0	4.8		
24	NB 141	306+00.0	310+50.0	112.5	225.0	
25	NB 141	310+50.0	321+00.0	262.5	787.5	
26	NB 141	321+00.0	323+81.0	70.3	210.9	
27	NB 141	325+50.0	326+78.1	32.0	96.0	
27	NB 141	329+94.0	335+00.0	0.0	632.5	S.Y. INCLUDED IN SB QTY.
27	SB 141	328+95.0	331+62.0	66.8	267.2	
27	SB 141	331+62.0	335+00.0	84.5	338.0	
28	SB 141	335+00.0	345+00.0	250.0	750.0	
29	SB 141	345+00.0	348+12.0	78.0	390.0	
29	SB 141	349+00.0	351+02.0	50.5	151.5	
28	NB 141	335+00.0	345+00.0	250.0	750.0	
29	NB 141	345+00.0	348+12.0	78.0	234.0	
29	NB 141	349+10.0	351+02.0	48.0	288.0	
27	RIVERPORT NORTH	-	-	26.0	104.0	
29	RIVERPORT SOUTH	-	-	28.8	144.0	
			SUBTOTALS	3266.5	10338.1	
			TOTALS	**	**	

NOTE: NO MEASUREMENT WILL BE MADE FOR TEMPORARY STRIPING.
NOTE: ALL TEMP. STRIPING MAY USE 10' STRIPE FOLLOWED BY 30' GAP.
NOTE: ** INDICATES SEE PERMANENT PAVEMENT MARKINGS FOR FINAL PAY TOTALS

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
Daniel Savageau
08/28/2024 9:13:53 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED
8/28/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
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DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

QUANTITY SHEETS
SHEET 10 OF 11

EFFECTIVE: 07-01-2024

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00	1	16			40	YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00	1	16				MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00	2	32			6a	MERGE (LEFT)
WO4-1aR	48X48	16.00	4	64			6a	MERGE (RIGHT)
WO5-1	48X48	16.00	1	16			43	ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00	4	64			22	LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00	4	64			23	SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00	4	20			23	SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00	12	48				DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
W012-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25	1	6.3			49	ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	10	160			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	6	96			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	4	64			6	RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	4	64			21	SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19	4	8.8				WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00	1	12			49	GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00	1	12			60	EXIT CLOSED
GO20-1	60X24	10.00	2	20			1	ROAD WORK NEXT 2 MILES
GO20-2	48X24	8.00	2	16			26	END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	8	48			54	WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93	11	76.2			13	YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	14	168			4/25	SPEED LIMIT 35, 45, 50, 60
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25	1	6.3			45	LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75	1	6.8				ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75	2	13.5				ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00	2	20			29	ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00	2	24			57	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL	1162
616-10.10 RELOCATED SIGNS	TOTAL	*

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009	**10	IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020	**9	REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123001	+++	TRUCK MOUNTED ATTENUATOR (TMA)
6161008		ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	400	CHANNELIZER (TRIM LINE)
6161030	16	TYPE III MOVEABLE BARRICADE
6161033	56	DIRECTION INDICATOR BARRICADE
6161040	4	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	**4	CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D	**3736	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

NOTE: CMS LOCATIONS TO BE APPROVED BY THE ENGINEER.

** INDICATES ITEM NOT INCLUDED IN TEMP. TRAFFIC CONTROL LUMP SUM BID ITEM.

NOTE: EXIST. SIGNS SHALL NOT BE REMOVED UNTIL NEW OR TEMP. SIGNS HAVE BEEN INSTALLED UNLESS APPROVED BY THE ENGINEER.

NOTE: QUANTITIES PROVIDED ARE SETUP USING GENERIC TRAFFIC CONTROL. IF THE CONTRACTOR CHOOSES TO SETUP TRAFFIC CONTROL DIFFERENTLY, THEN THOSE ADDITIONAL QUANTITIES SHALL BE PAID AT THE EXPENSE OF THE CONTRACTOR.

* NOTE: NO DIRECT PAYMENT SHALL BE MADE TO RELOCATE OR COVER/UNCOVER EXISTING OR TCP SIGNS OR RELOCATE OTHER TCP DEVICES.

+++ INDICATES TMAs WILL BE REQUIRED FOR MOBILE OPERATIONS ON THIS JOB BUT AT NO DIRECT PAY. THE CONTRACTOR MAY USE TMAs AT STATIONARY LOCATIONS OF HIS OR HER OWN CHOOSING BUT NO PAYMENT SHALL BE MADE FOR THESE TMAs.

NOTE: ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99.01, LUM SUM TEMPORARY TRAFFIC CONTROL, UNLESS NOTED OTHERWISE IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE & ARE SUBJECT TO CHANGE BASED UPON FIELD CONDITIONS.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
Daniel Savageau
08/28/2024 9:14:28 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED: 8/28/2024
ROUTE: 141
STATE: MO
DISTRICT: SL
SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0028
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)

QUANTITY SHEET
11 OF 11
TRAFFIC CONTROL ITEMS

GENERAL NOTES:

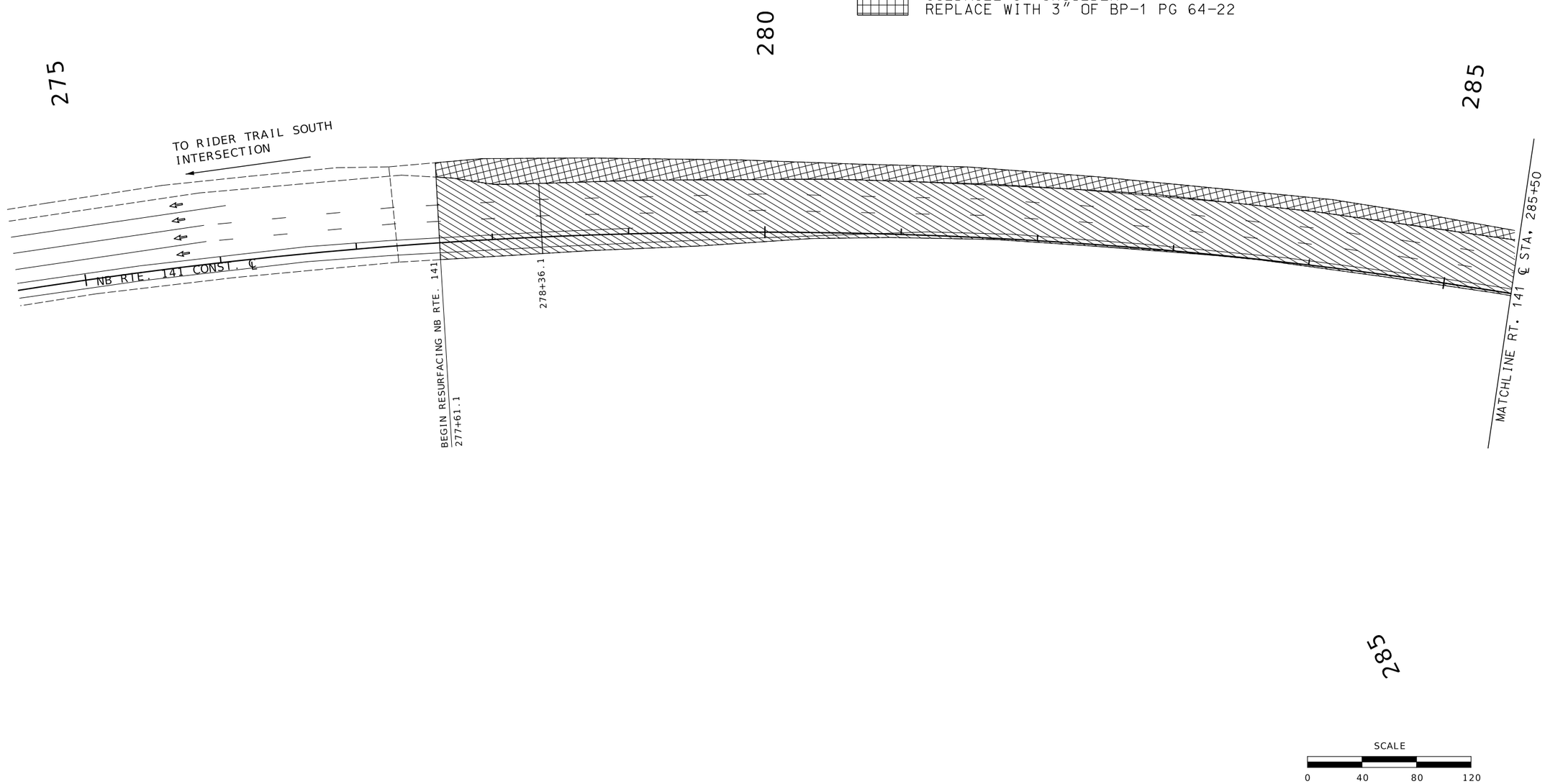
1. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

2. ALL CLEARING & GRUBBING SHALL BE CONSIDERED INCIDENTAL & PAID FOR AT NO DIRECT PAY.

LEGEND

COLDMILL 3/4" EXISTING UBAWS OVERLAY
REPLACE WITH TYPE 'B' UBAWS OVERLAY

COLDMILL 3" SHOULDER
REPLACE WITH 3" OF BP-1 PG 64-22



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:08:47 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

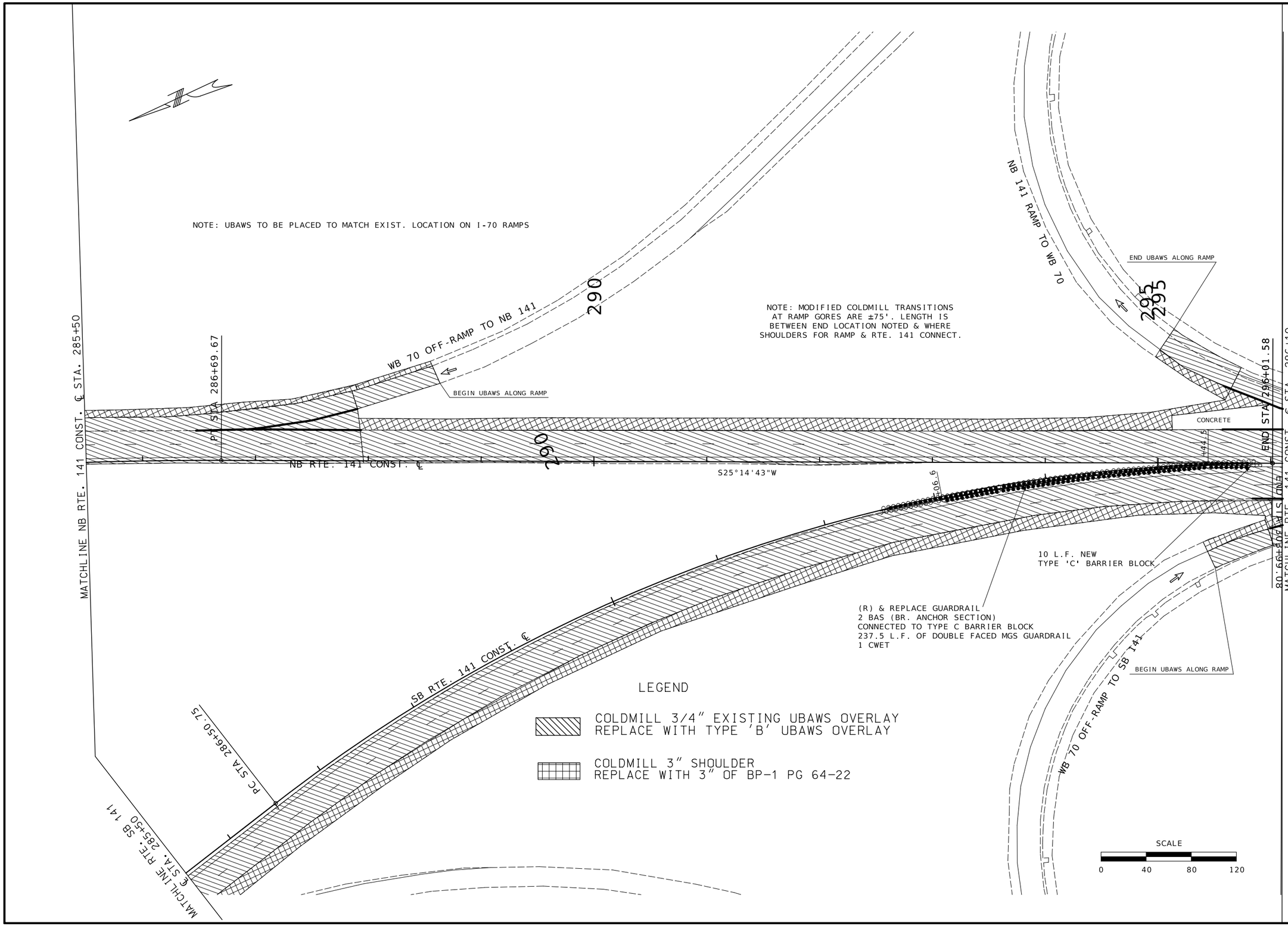
DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	4
COUNTY	ST. LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CONSTRUCTION PLANS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:09:04 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	5
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

CONSTRUCTION PLANS

START STA 276+27.46

BEGIN RESURFACING SB RTE. 141
STA. 279+25.0

280

285

25 L.F. NEW TYPE 'C' BARRIER
INSTALL 12.5' ON EACH SIDE OF TRUSS ℄

(R) & REPLACE GUARDRAIL
1 BAS (BR. ANCHOR SECTION)
50 L.F. OF MGS GUARDRAIL
1 CWET

+01.9

+01.9

S12°45'33"E

UIP GUARDRAIL

(R) & REPLACE SHOULDER
INSTALL 7' A2 SHOULDER

REMOVE 14 SENSYS PUCKS
0 SB LANE 1
0 SB LANE 2
6 SB LANE 3

+76.9

+01.9

RAMP FRO

MATCHLINE RT. 141 ℄ STA. 285+50

(R) & REPLACE GUARDRAIL
1 BAS (BR. ANCHOR SECTION)
25 L.F. OF MGS GUARDRAIL
1 CWET

25 L.F. NEW TYPE 'C' BARRIER
INSTALL 12.5' ON EACH SIDE OF TRUSS ℄

LEGEND

COLDMILL 3/4" EXISTING UBAWS OVERLAY
REPLACE WITH TYPE 'B' UBAWS OVERLAY

COLDMILL 3" SHOULDER
REPLACE WITH 3" OF BP-1 PG 64-22

NEW A2 SHOULDER

NOTE: MODIFIED COLDMILL TRANSITIONS AT RAMP GORES ARE ±75'. LENGTH IS BETWEEN END LOCATION NOTED & WHERE SHOULDERS FOR RAMP & RTE. 141 CONNECT.

NOTE: UBAWS TO BE PLACED TO MATCH EXIST. LOCATION ON I-

SCALE

0 40 80 120

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:09:21 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

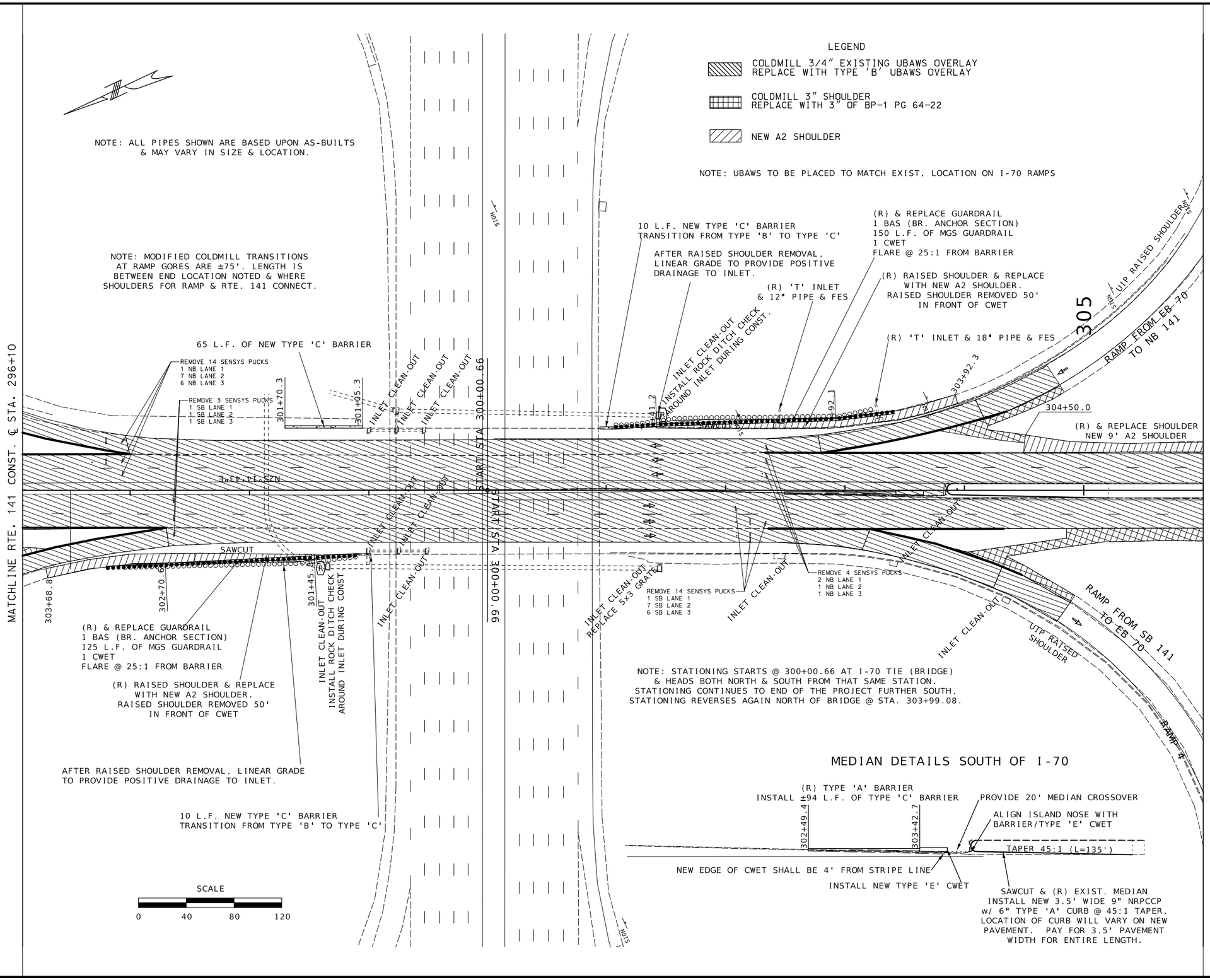
DATE PREPARED	
7/23/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	6
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CONSTRUCTION PLANS



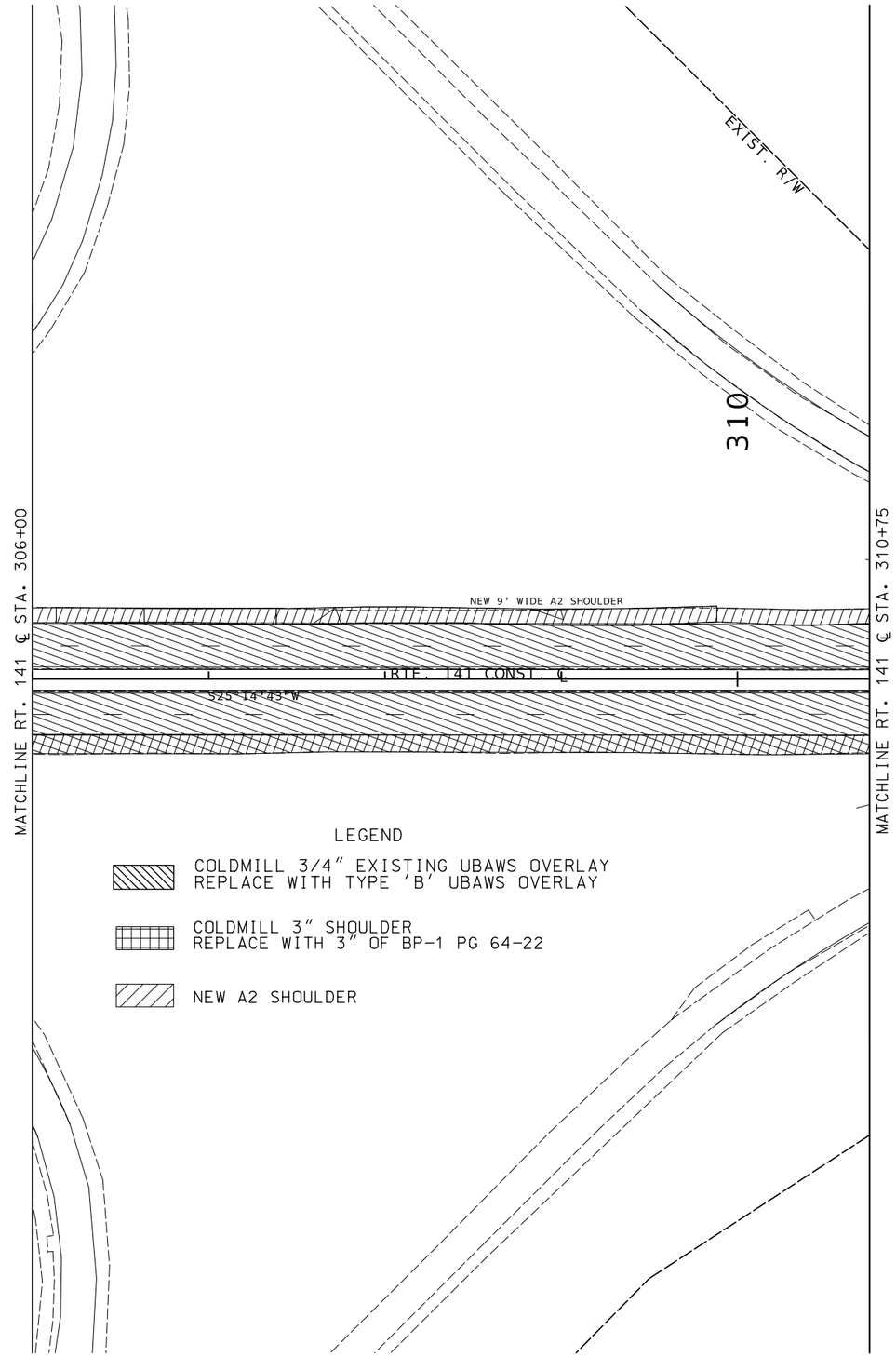
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:09:45 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 7
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

CONSTRUCTION PLANS



SCALE

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STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:11:19 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

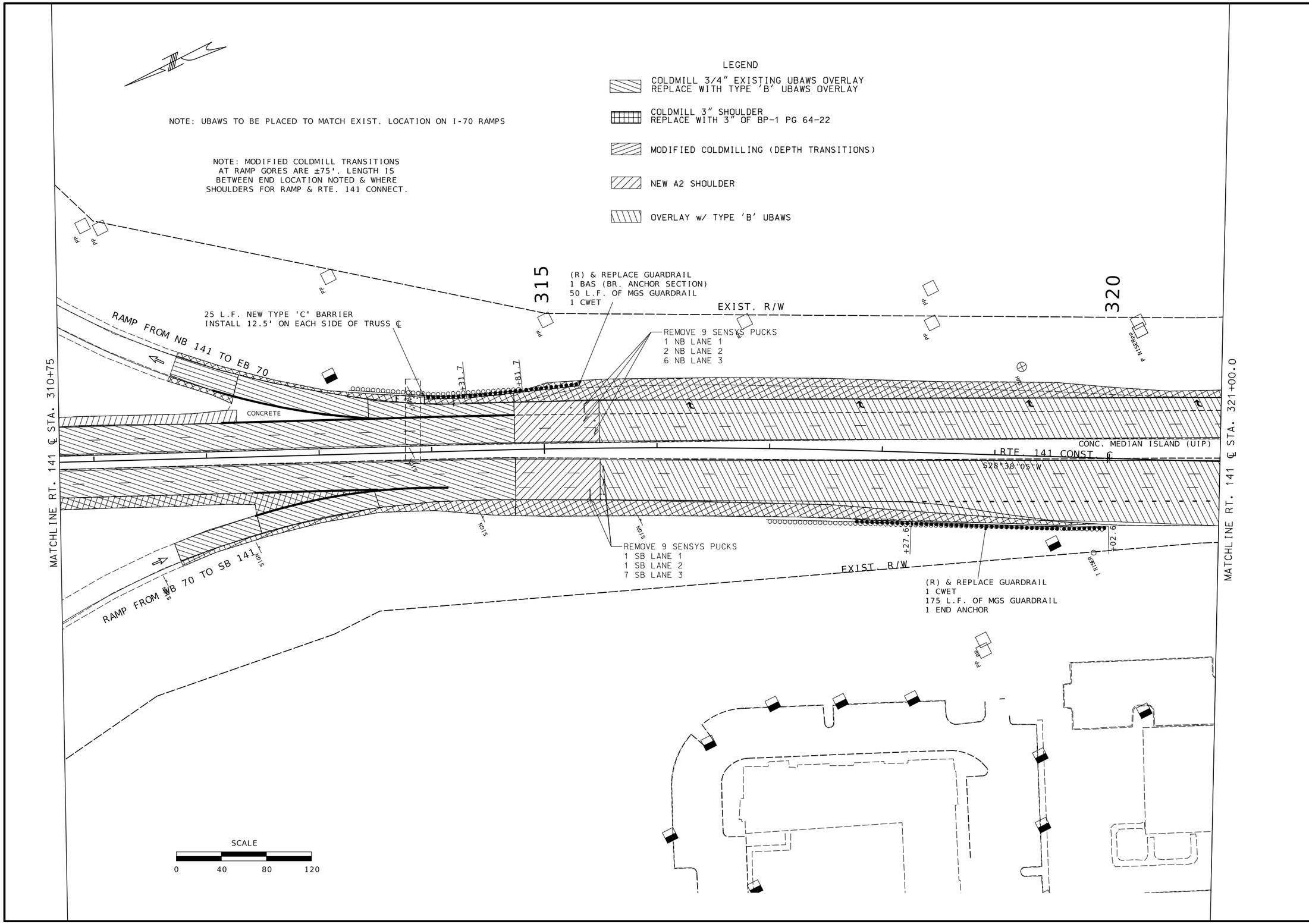
DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	8
COUNTY	ST. LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CONSTRUCTION PLANS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:11:36 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/23/2024
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 9
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

CONSTRUCTION PLANS

LEGEND

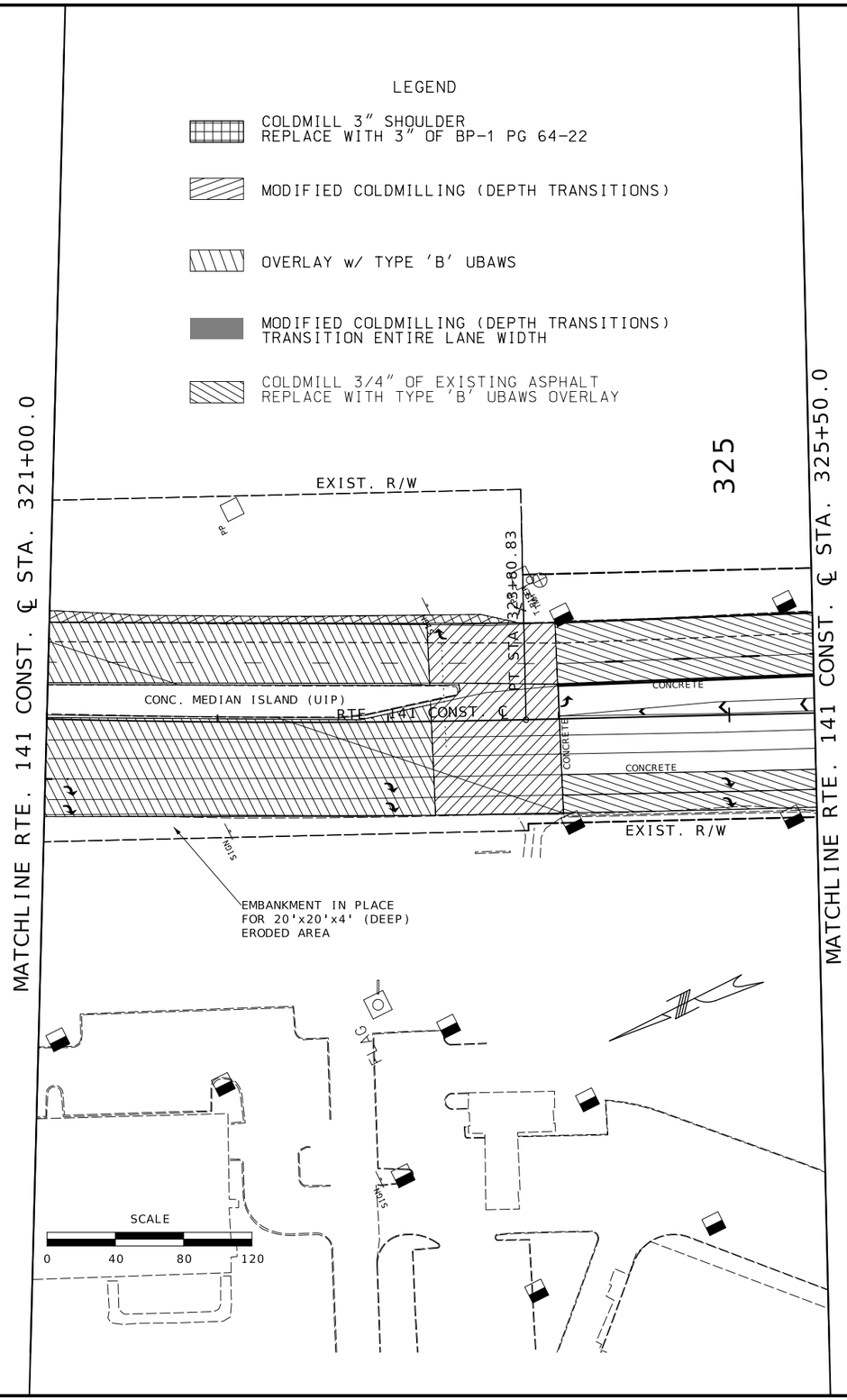
COLDMILL 3" SHOULDER
REPLACE WITH 3" OF BP-1 PG 64-22

MODIFIED COLDMILLING (DEPTH TRANSITIONS)

OVERLAY w/ TYPE 'B' UBAWS

MODIFIED COLDMILLING (DEPTH TRANSITIONS)
TRANSITION ENTIRE LANE WIDTH

COLDMILL 3/4" OF EXISTING ASPHALT
REPLACE WITH TYPE 'B' UBAWS OVERLAY



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER
PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:11:49 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

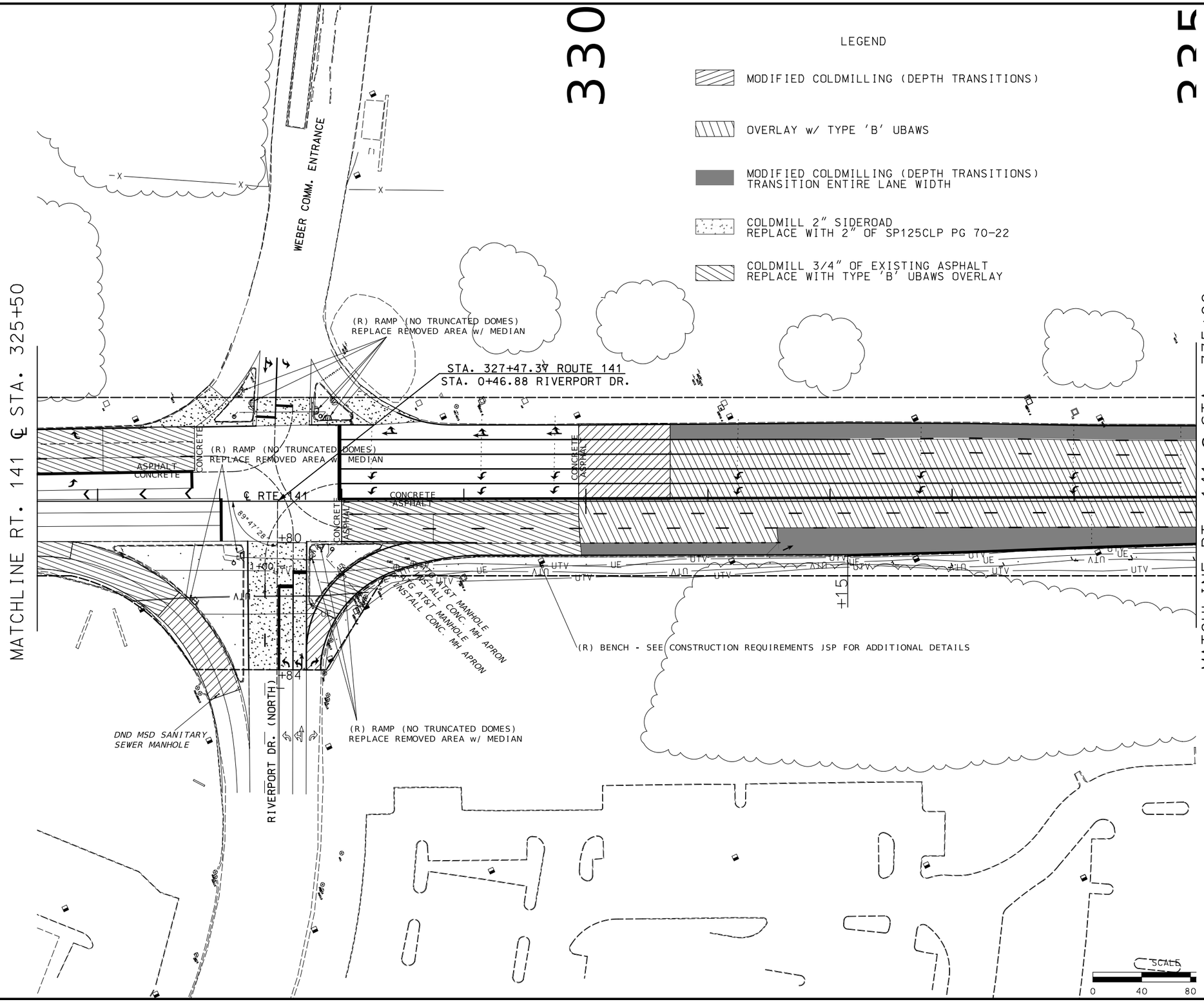
DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	10
COUNTY	ST. LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CONSTRUCTION PLANS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:12:06 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-200401720 2

DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	11
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

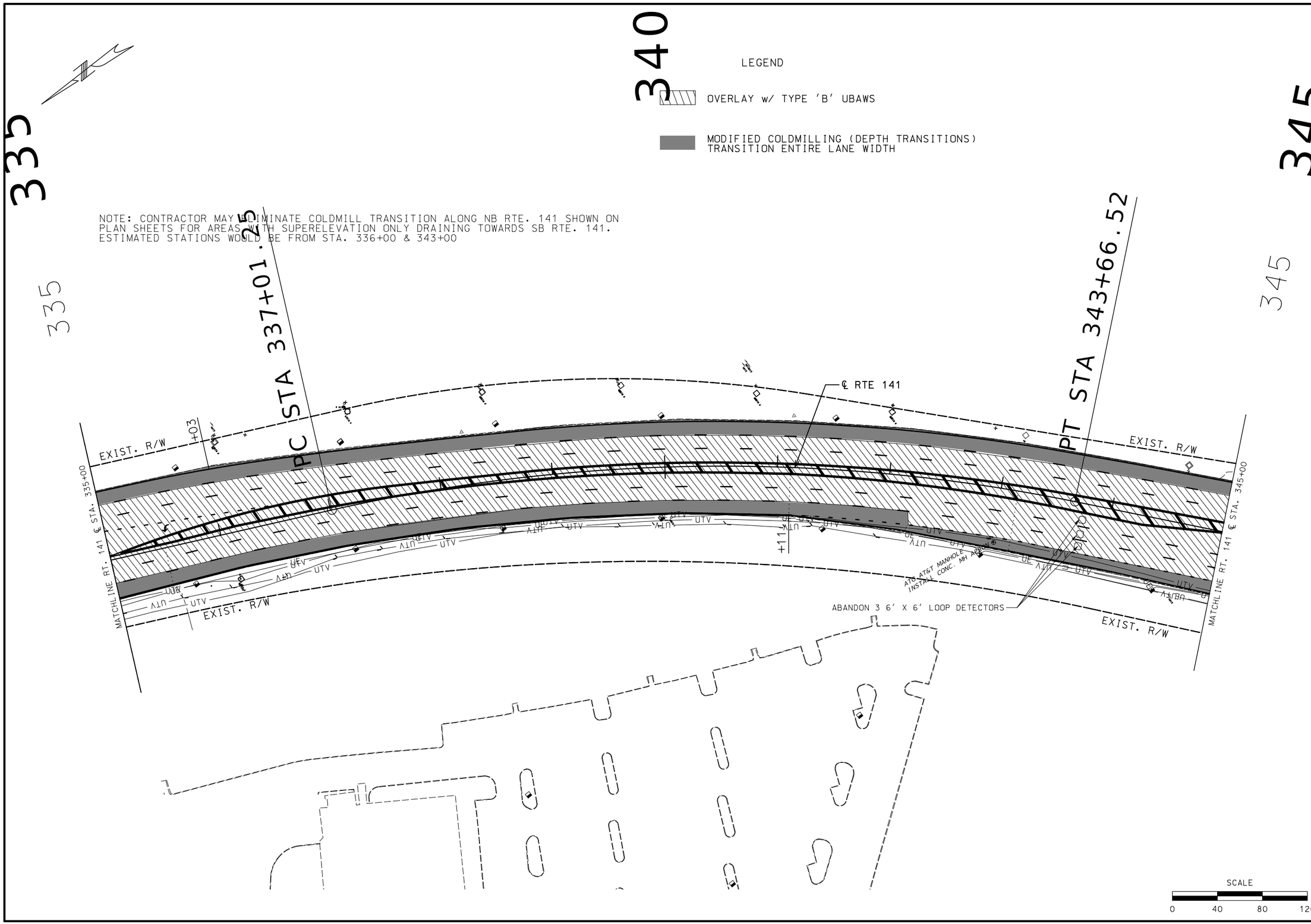
CONSTRUCTION PLANS

LEGEND

OVERLAY w/ TYPE 'B' UBAWS

MODIFIED COLDMILLING (DEPTH TRANSITIONS) TRANSITION ENTIRE LANE WIDTH

NOTE: CONTRACTOR MAY ELIMINATE COLDMILL TRANSITION ALONG NB RTE. 141 SHOWN ON PLAN SHEETS FOR AREAS WITH SUPERELEVATION ONLY DRAINING TOWARDS SB RTE. 141. ESTIMATED STATIONS WOULD BE FROM STA. 336+00 & 343+00



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:12:21 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

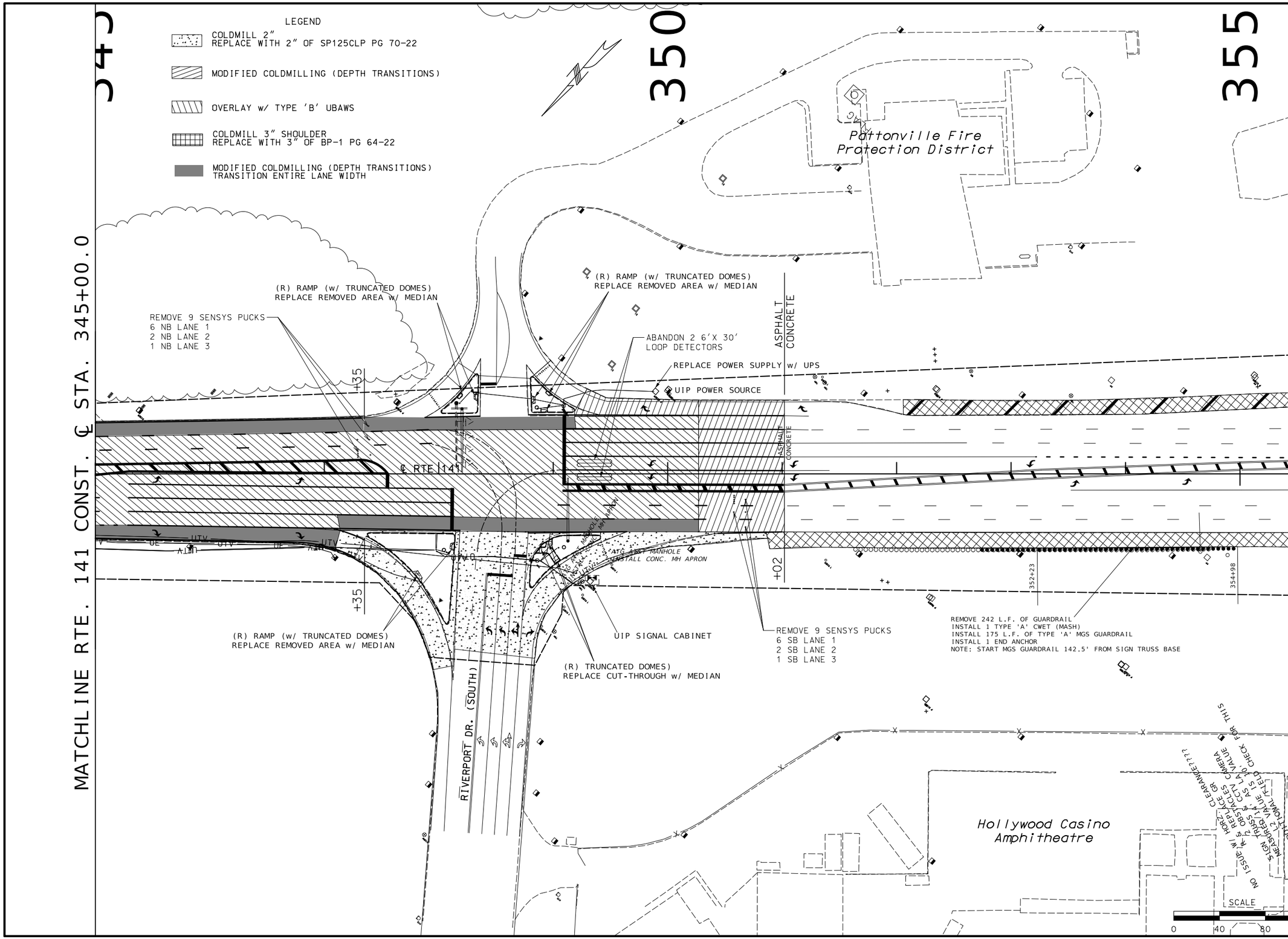
DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	12
COUNTY	ST.LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CONSTRUCTION PLANS



STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

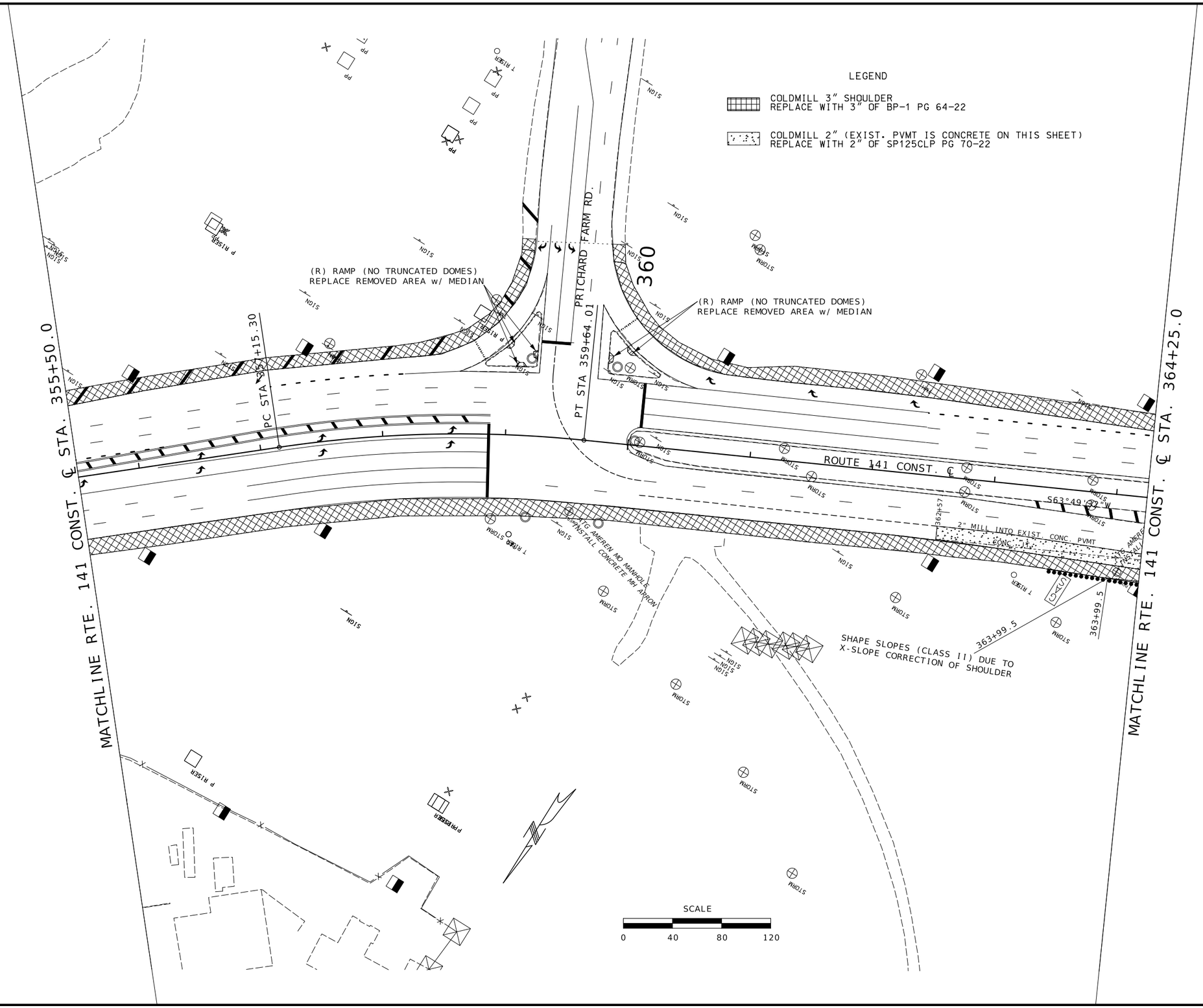
Daniel Savageau
08/28/2024 2:16:42 PM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	8/28/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	13
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

CONSTRUCTION PLANS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:12:52 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	14
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
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)

CONSTRUCTION PLANS

NOTE: CONTRACTOR SHALL REMOVE EXIST. METAL FRAME & LID OF EXIST. CONC. SIGNAL PULLBOX. AFTER NEW CONCRETE MEDIAN ISLAND IS POURED, THE CONTRACTOR SHALL RESET/REINSTALL THE METAL FRAME & LID. UIP EXIST. PULLBOX SIDEWALLS.

LEGEND

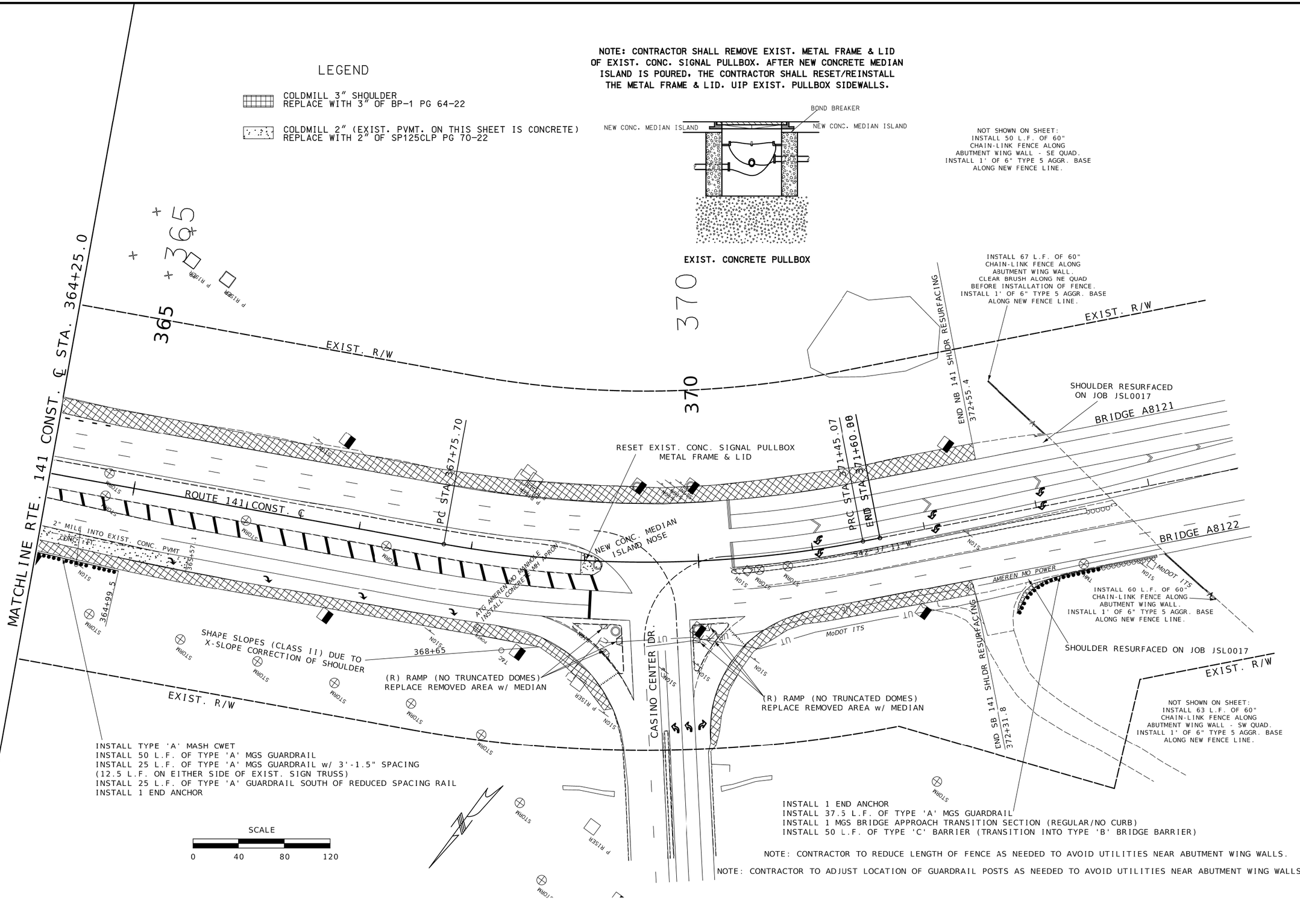
COLDMILL 3" SHOULDER
REPLACE WITH 3" OF BP-1 PG 64-22

COLDMILL 2" (EXIST. PVMT. ON THIS SHEET IS CONCRETE)
REPLACE WITH 2" OF SP125CLP PG 70-22

EXIST. CONCRETE PULLBOX

NOT SHOWN ON SHEET:
INSTALL 50 L.F. OF 60"
CHAIN-LINK FENCE ALONG
ABUTMENT WING WALL - SE QUAD.
INSTALL 1' OF 6" TYPE 5 AGGR. BASE
ALONG NEW FENCE LINE.

INSTALL 67 L.F. OF 60"
CHAIN-LINK FENCE ALONG
ABUTMENT WING WALL.
CLEAR BRUSH ALONG NE QUAD
BEFORE INSTALLATION OF FENCE.
INSTALL 1' OF 6" TYPE 5 AGGR. BASE
ALONG NEW FENCE LINE.



NOTE: CONTRACTOR TO REDUCE LENGTH OF FENCE AS NEEDED TO AVOID UTILITIES NEAR ABUTMENT WING WALLS.

NOTE: CONTRACTOR TO ADJUST LOCATION OF GUARDRAIL POSTS AS NEEDED TO AVOID UTILITIES NEAR ABUTMENT WING WALLS.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

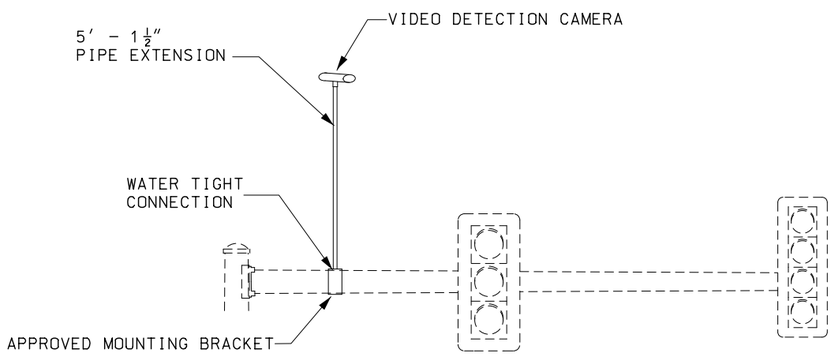
Daniel Savageau
08/28/2024 9:09:15 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 15
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

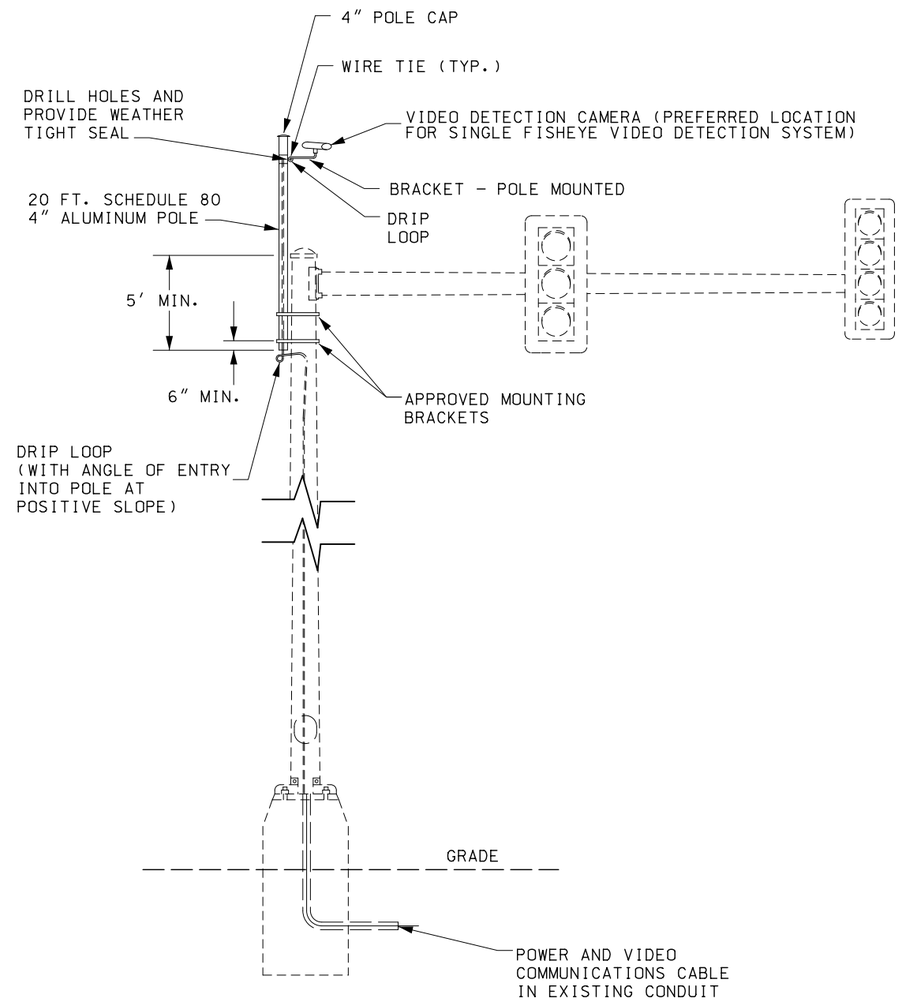
DATE	DESCRIPTION

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

CONSTUCTION PLANS



CAMERAS SHALL BE AS CLOSE AS POSSIBLE TO CENTER OF SIGNALIZED APPROACH



GENERAL NOTES:

1) PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT.
2) CAMERAS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
3) NO CAMERA SHALL BE INSTALLED ON PEDESTALS UNLESS DIRECTED BY THE ENGINEER.
4) NO CAMERA SHALL BE INSTALLED ON 15' LUMINAIRE ARM UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

NOT TO SCALE

REVISED 07/27/2023

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:13:24 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

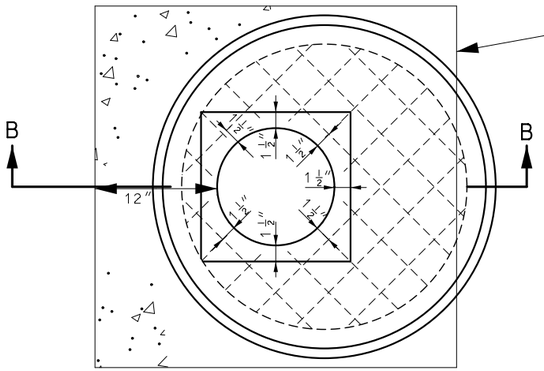
DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 16
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

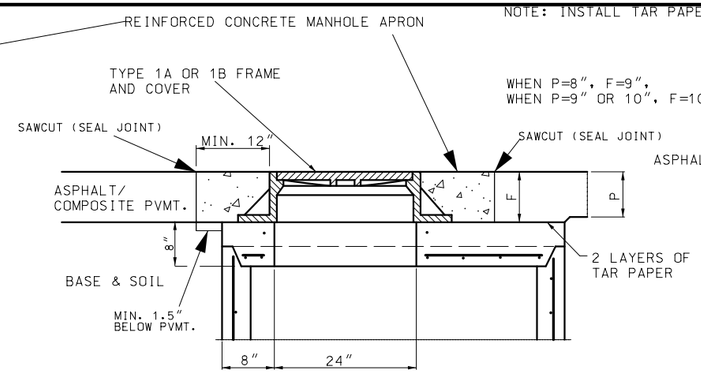
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGNAL SHEET
VIDEO DETECTION DETAIL

NOTE: INSTALL TAR PAPER BETWEEN FRAME & COVER AND THE NEW CONCRETE MANHOLE APRON AS DIRECTED BY THE ENGINEER.

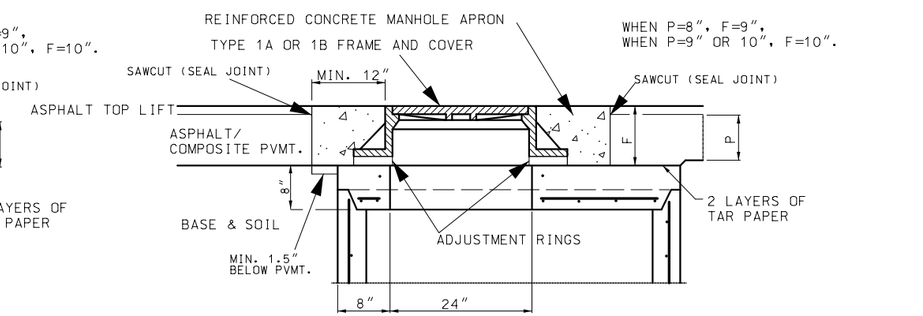


PLAN OF FLAT SLAB MANHOLE TOP



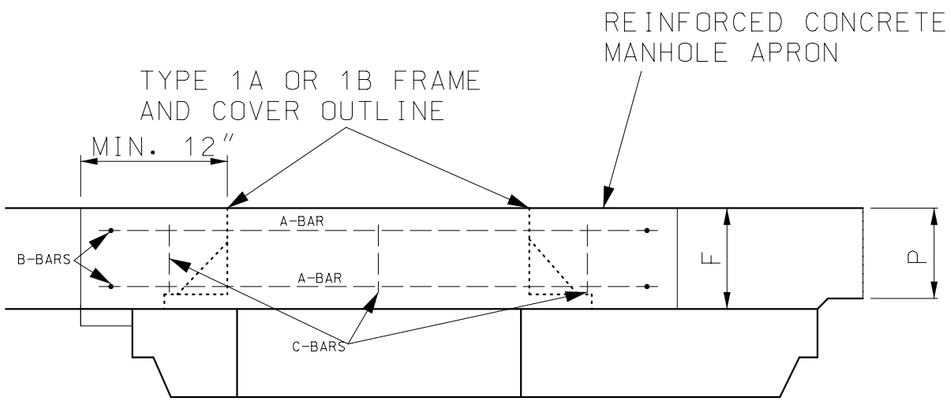
FLAT SLAB MANHOLE TOP (PAVED AREA)

SECTION B-B



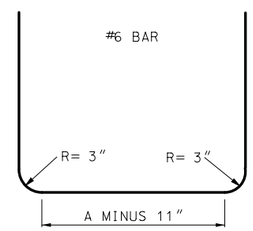
FLAT SLAB MANHOLE TOP (PAVED AREA) W/ ADJUSTMENT RINGS NEXT TO ASPHALT OVERLAY

SECTION B-B



SECTION B-B

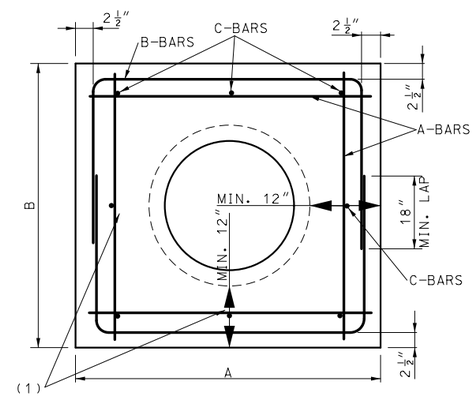
APRON REINFORCEMENT DETAIL



FOR MANHOLE APRON

BENDING DIAGRAM FOR B-BARS

(1) PROVIDE MIN. 4.75" CLEARANCE BETWEEN REINFORCING & MANHOLE FRAME & COVER OR CIRCULAR PRECAST MANHOLE.

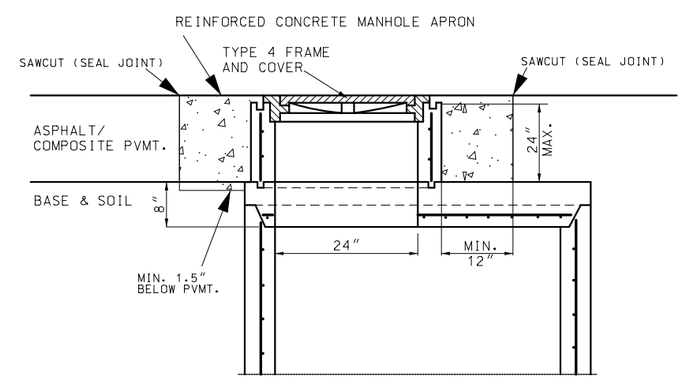


TOP VIEW OF MANHOLE APRON WITH REINFORCEMENT

NOTE: INSTALL 'C' BARS VERTICALLY INTO MANHOLE APRON CONCRETE. PROVIDE MIN. 1.5" CLEARANCE FROM TOP OF PAVEMENT & BOTTOM OF APRON. LENGTH OF 'C' BARS FOR 'F' DIMENSION SHALL BE 6". BAR LENGTH MAY VARY. 'C' BARS SHALL BE TIED TO 'A' REINFORCEMENT. 'B' BARS SHALL BE TIED TO 'A' REINFORCEMENT. 'A' BAR REINFORCEMENT SHALL HAVE 1.5" CLEARANCE TO EDGE OF APRON.

GENERAL NOTES:

1. IF MANHOLE STRUCTURE DOES NOT HAVE FRAME & COVER BUT INSTEAD THE ENTIRE STRUCTURE REACHES THE TOP OF ROADWAY, THEN THIS SHEET SHALL NOT BE USED.
2. THIS SHEET SHALL TYPICALLY BE USED WHERE THE MANHOLE FRAME & COVER NEED TO BE RAISED TO GRADE, BUT CAN BE USED FOR NEW STRUCTURES AS WELL, PARTICULARLY FOR STRUCTURES INSTALLED WITHIN ASPHALT PAVEMENT.
3. THE CONTRACTOR SHALL USE 2 LAYERS OF 'A' & 'B' BAR REINFORCEMENT AS LONG AS 'F' THICKNESS NOTED ABOVE IS GREATER THAN OR EQUAL TO 9".
4. PAYMENT FOR REINFORCED CONCRETE MANHOLE APRON SHALL BE MADE PER EACH AND SHALL INCLUDE ALL NECESSARY REINFORCEMENT AND SAW CUTS OF EXISTING OR PROPOSED PAVEMENT.
5. MIN. DIMENSIONS OF 'A' AND 'B' IS THE FOLLOWING: 12" WALL + MANHOLE (INCLUDING WALL THICKNESS) + 12".
6. CONTRACTOR SHALL PROVIDE EITHER A SQUARE OR RECTANGLE SHAPED FULL DEPTH SAWCUT AROUND THE CONCRETE MANHOLE APRON AFTER CONSTRUCTION. THE MIN. WIDTH SHALL BE 12" BUT MAY VARY. THE CONTRACTOR SHALL NOT DO A CIRCULAR SAWCUT AROUND THE REINFORCED CONCRETE MANHOLE APRON.
7. CONCRETE USED FOR MANHOLE APRON SHALL BE THE SAME AS THAT USED FOR FULL DEPTH PAVEMENT REPAIRS. PLEASE SEE SECTION 613.10 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS. CONTRACTOR MAY BE ALLOWED TO USE HIGH EARLY STRENGTH CONCRETE, WITH APPROVAL FROM THE ENGINEER.
8. THE CONTRACTOR SHALL RAISE THE MANHOLE FRAME & COVER USING CONCRETE RINGS AND APPROVED MECHANICAL ADJUSTMENT DEVICES TO FINISH GRADE MATCHING PROFILE AND CROSS SLOPE.
9. REINFORCING BARS IN PAVEMENT SHALL BE EPOXY COATED AND SECURELY TIED TOGETHER AND FASTENED TO AVOID ANY POSSIBLE DISPLACEMENT DURING THE PLACING OF CONCRETE.
10. NO DIRECT PAYMENT WILL BE MADE FOR PROVIDING, CUTTING OR BENDING REINFORCING STEEL.
11. THE CONTRACTOR SHALL SEAL JOINTS FORMED BETWEEN THE INTERFACE OF THE NEW APRON AND THE ASPHALT PAVEMENT ALONG WITH JOINTS CREATED BY THE OVERCUT OF SAWING FOR THE REMOVAL OF PAVEMENT. SEE THE JSP FOR ADDITIONAL INFORMATION.



ALTERNATE MANHOLE TOP

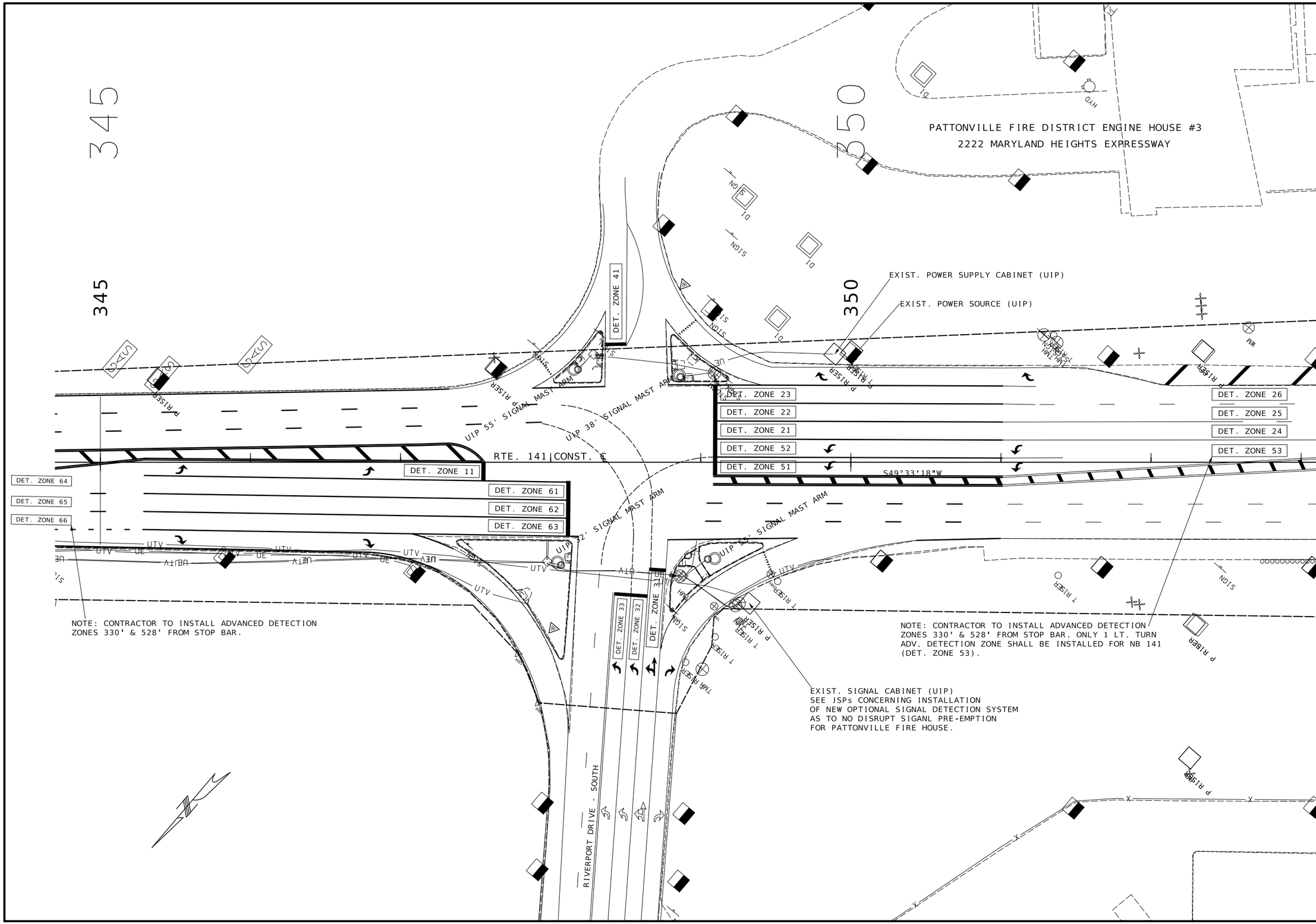
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:13:38 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 17
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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
CONCRETE MANHOLE APRON



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:13:52 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/17/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	18
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

SIGNAL PLAN

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY	CIRCUIT BREAKER TRIP RATING*					LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
				CONTROLLER		POWER SUPPLY DISCONNECT						
						MAIN BREAKER						
ROADWAY	STATION	OFFSET	BASED MOUNTED POWER SUPPLY	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
RTE. 141 (SE QUAD)	349+89.4	72.1' LT.	Type UIP	15 Amps	Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type	15 Amps	Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
ROADWAY	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
RTE. 141 (SW QUAD)	349+32.3	93.9' RT.			UIP												UIP					

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1								
	2								

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø1 SBLT	Ø2 NB	N/U	Ø4 WB	Ø5 NBLT	Ø6 SB	N/U	Ø8 EB	N/U	N/U	N/U	N/U

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
	R10-3E	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
1	M4-5 (BL)	24 X 12	2.0	2.0	1
1	M1-1 (BL)	30 X 24	4.0	4.0	1
1	M6-1 (BL)	21 X 15	7.5	2.19	1
1	M4-5	24 X 12	2.0	2.0	1
1	M1-5	30 X 24	5.0	5.0	1
1	M6-1	21 X 15	7.5	2.19	1
			SUBTOTAL	17.38	6
			SUBTOTAL 2	14.00	3
			TOTAL	32	9

NOTE: (BL) INDICATES SIGN ON BLUE BACKGROUND

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	DETECTOR ZONE	TYPE: PRESSURE ACTIVATED PUSH BUTTON	INDUCTION LOOP (2): STANDARD	INDUCTION LOOP (2): DELAY/ EXTEND ✳	INDUCTION LOOP (2): CALL UNIT ✳	VIDEO	OPTIONAL DETECTION (3)
21	NB RTE. 141	STOP BAR						X
22	NB RTE. 141	STOP BAR						
23	NB RTE. 141	STOP BAR						
51	NB RTE. 141 - LT.	STOP BAR						
52	NB RTE. 141 - LT.	STOP BAR						
24	NB RTE. 141	ADV. DET (330')						
25	NB RTE. 141	ADV. DET (330')						
26	NB RTE. 141	ADV. DET (330')						
53	NB RTE. 141 - LT.	ADV. DET (330')						
27	NB RTE. 141	ADV. DET (528')						
28	NB RTE. 141	ADV. DET (528')						
29	NB RTE. 141	ADV. DET (528')						
61	SB RTE. 141	STOP BAR						X
62	SB RTE. 141	STOP BAR						
63	SB RTE. 141	STOP BAR						
11	SB RTE. 141 - LT.	STOP BAR						
64	SB RTE. 141	ADV. DET (330')						
65	SB RTE. 141	ADV. DET (330')						
66	SB RTE. 141	ADV. DET (330')						
67	SB RTE. 141	ADV. DET (528')						
68	SB RTE. 141	ADV. DET (528')						
69	SB RTE. 141	ADV. DET (528')						
41	WB - FIRE STATION	STOP BAR						X
31	EB RIVERPORT SOUTH - LT.	STOP BAR						X
32	EB RIVERPORT SOUTH - LT.	STOP BAR						
33	EB RIVERPORT THRU/LT.	STOP BAR						
		SUBTOTALS						1

SIGNAL SIGNS (ADDITIONAL LOCATIONS)

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34	LOCATION
		INCHES	SQ.FT.	SQ.FT.	EA.	
1	R4-7	24 X 30	5.0	5.0	1	PRICHARD FARM RD.
1	R3-4	24 X 24	4.0	4.0	1	PRICHARD FARM RD.
1	R4-7	24 X 30	5.0	5.0	1	CASINO CTR. DR.
			SUBTOTAL 2	14.00	3	

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) SEE ADVANCED TRAFFIC CONTROLLER JSP FOR ADDITIONAL DETAILS.

(3) SEE OPTIONAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION, INCLUDING ADVANCED DETECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING ALL DETECTION ZONES AS SHOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) SEE MODOT TS2 TYPE 1 CABINET ASSEMBLY JSP FOR ADDITIONAL DETAILS.

(5) SEE 120 VOLT IP ADDRESSABLE POWER STRIP JSP FOR ADDITIONAL DETAILS.

RTE. 141 & RIVERPORT DRIVE (SOUTH)

INTERSECTION

D-37C

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:14:31 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 19
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

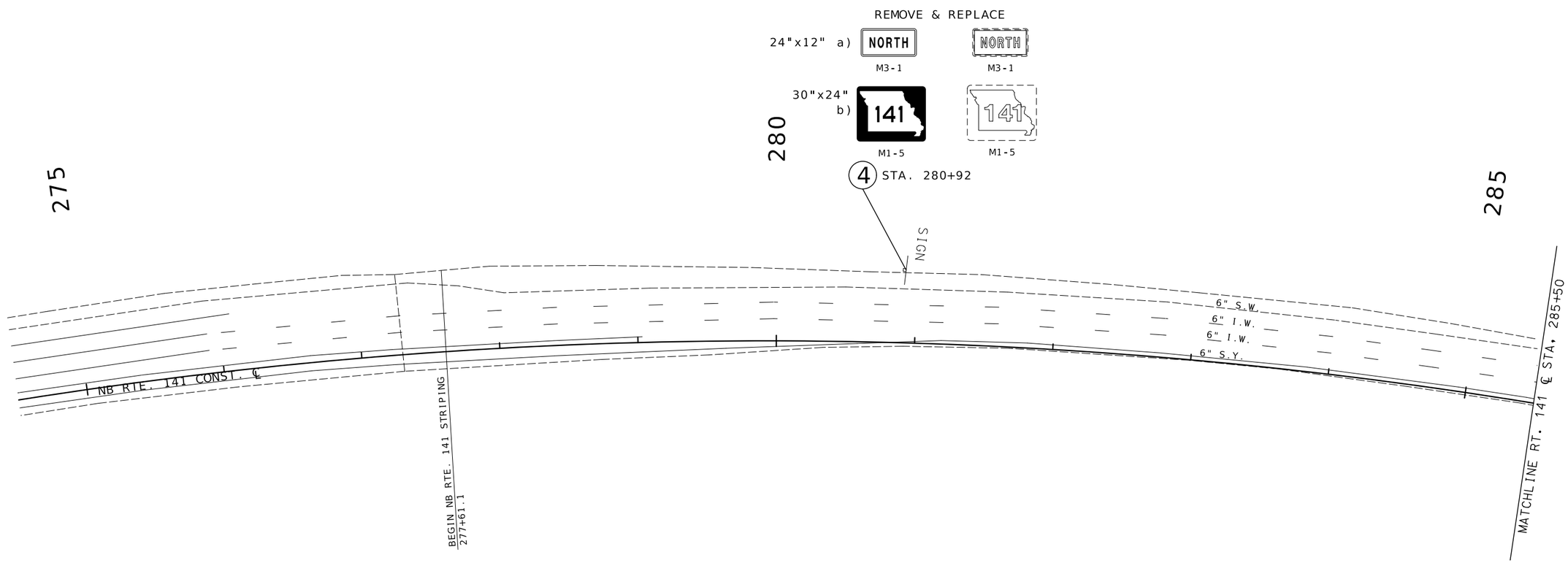
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNAL PLANS



STRIPING LEGEND

D.S.Y. - 4" DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
S.W. - 6" SOLID WHITE
EDGE LINE - (HIGH BUILD WATERBORNE PAINT)
LANE LINES - (HIGH BUILD WATERBORNE PAINT)
S.Y. - 4" SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
I.W. - 6" INTERMITTENT WHITE (HIGH BUILD WATERBORNE PAINT)
S.B. - 24" S.W. STOP BAR (PREFORMED THERMOPLASTIC PVMT. MARKING)
D.W. - 6" or 12" DOTTED WHITE (PREFORMED THERMOPLASTIC PVMT. MARKING) 3' LONG WITH 9' GAP
PREFORMED THERMOPLASTIC PVMT. MARKING
EXISTING PAVEMENT MARKING

SCALE
0 40 80 120

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:14:48 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 20
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

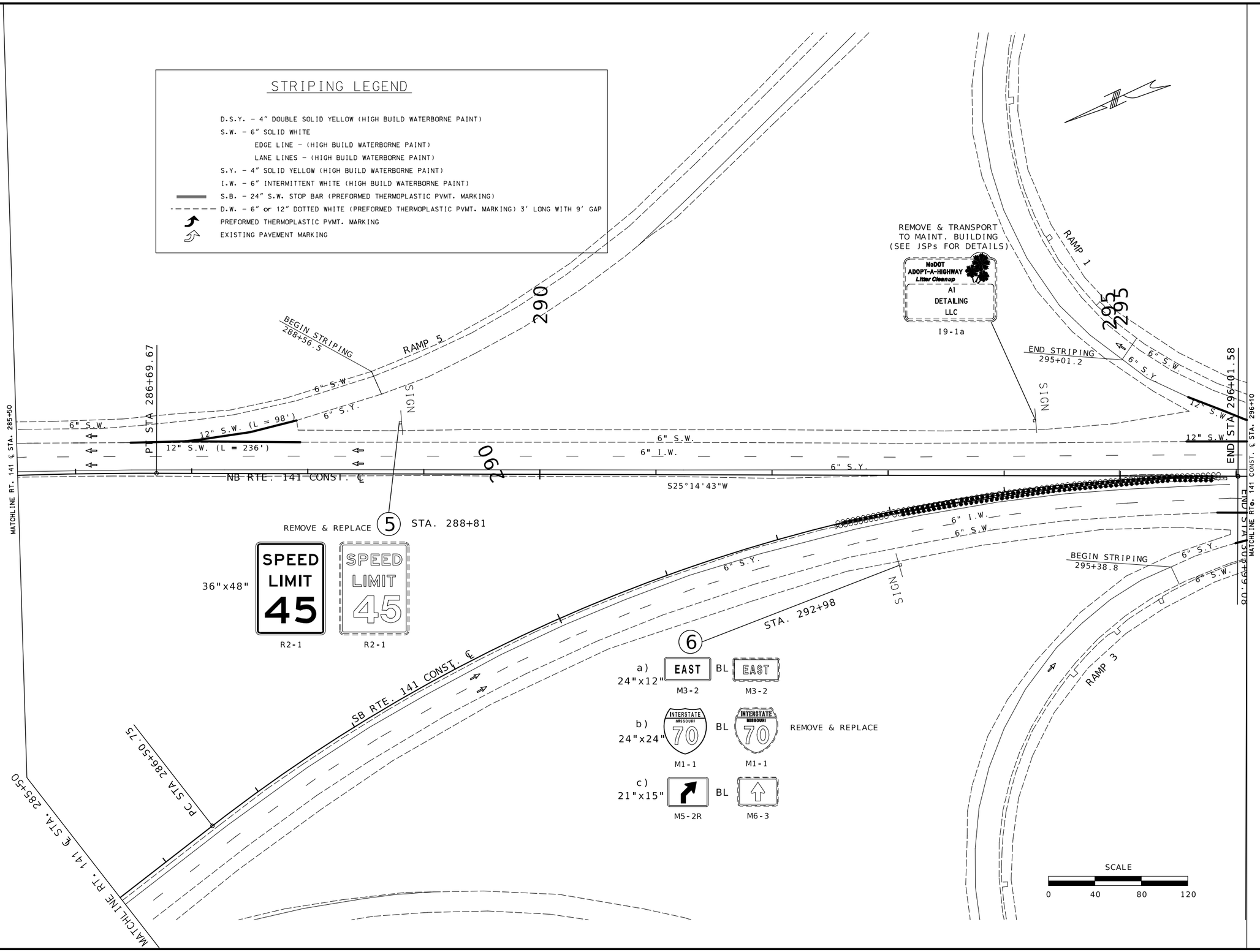
DATE	DESCRIPTION

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

PAVEMENT MARKING & SIGNING PLAN

STRIPING LEGEND

D.S.Y. – 4" DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
S.W. – 6" SOLID WHITE
EDGE LINE – (HIGH BUILD WATERBORNE PAINT)
LANE LINES – (HIGH BUILD WATERBORNE PAINT)
S.Y. – 4" SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
I.W. – 6" INTERMITTENT WHITE (HIGH BUILD WATERBORNE PAINT)
S.B. – 24" S.W. STOP BAR (PREFORMED THERMOPLASTIC PVMT. MARKING)
D.W. – 6" or 12" DOTTED WHITE (PREFORMED THERMOPLASTIC PVMT. MARKING) 3' LONG WITH 9' GAP
PREFORMED THERMOPLASTIC PVMT. MARKING
EXISTING PAVEMENT MARKING



STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

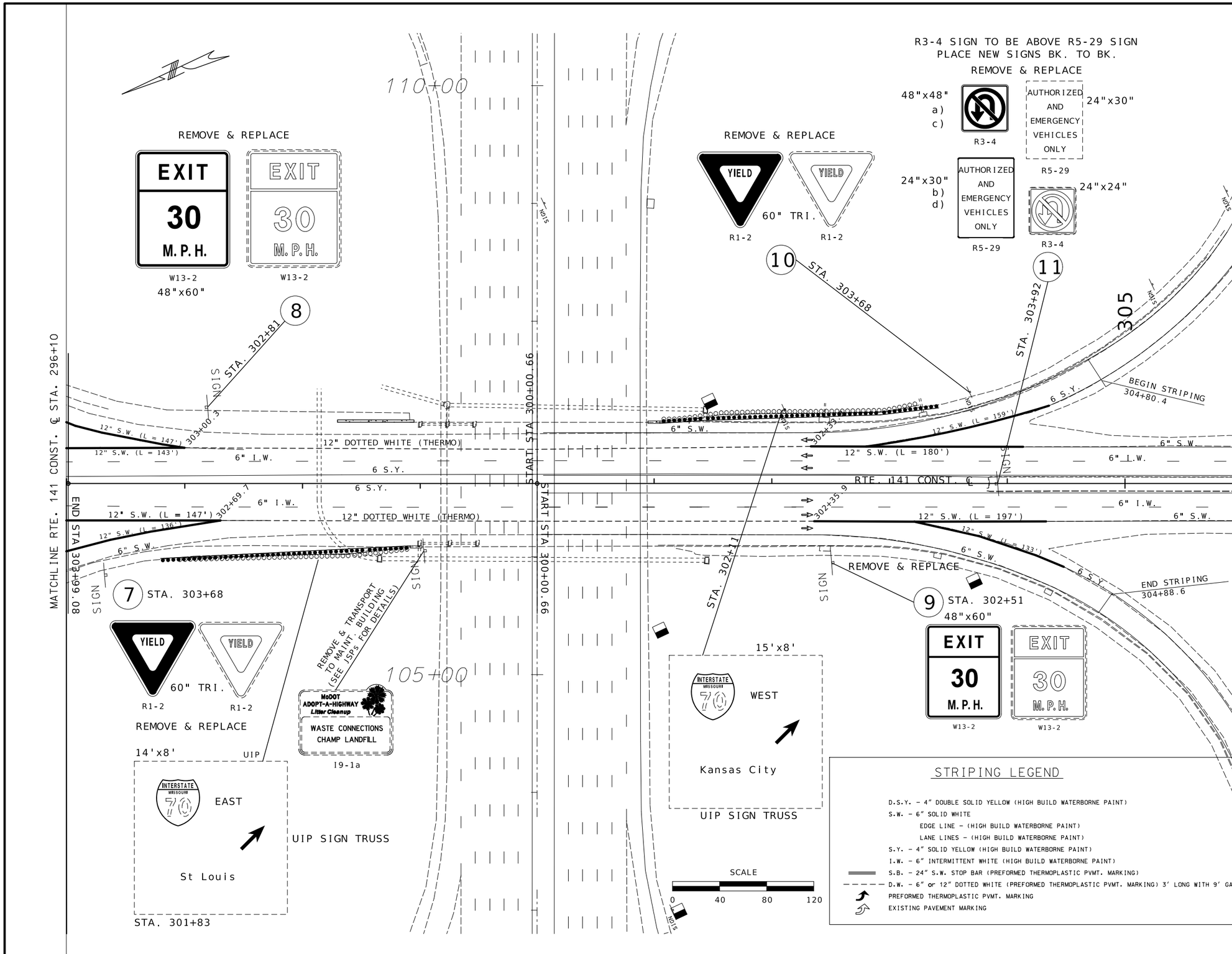
Daniel Savageau
08/28/2024 9:18:56 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 21
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

PAVEMENT MARKING & SIGNING SHEET



STRIPING LEGEND

D.S.Y. - 4" DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
S.W. - 6" SOLID WHITE
EDGE LINE - (HIGH BUILD WATERBORNE PAINT)
LANE LINES - (HIGH BUILD WATERBORNE PAINT)
S.Y. - 4" SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
I.W. - 6" INTERMITTENT WHITE (HIGH BUILD WATERBORNE PAINT)
S.B. - 24" S.W. STOP BAR (PREFORMED THERMOPLASTIC PVMT. MARKING)
D.W. - 6" or 12" DOTTED WHITE (PREFORMED THERMOPLASTIC PVMT. MARKING) 3' LONG WITH 9' GAP
PREFORMED THERMOPLASTIC PVMT. MARKING
EXISTING PAVEMENT MARKING

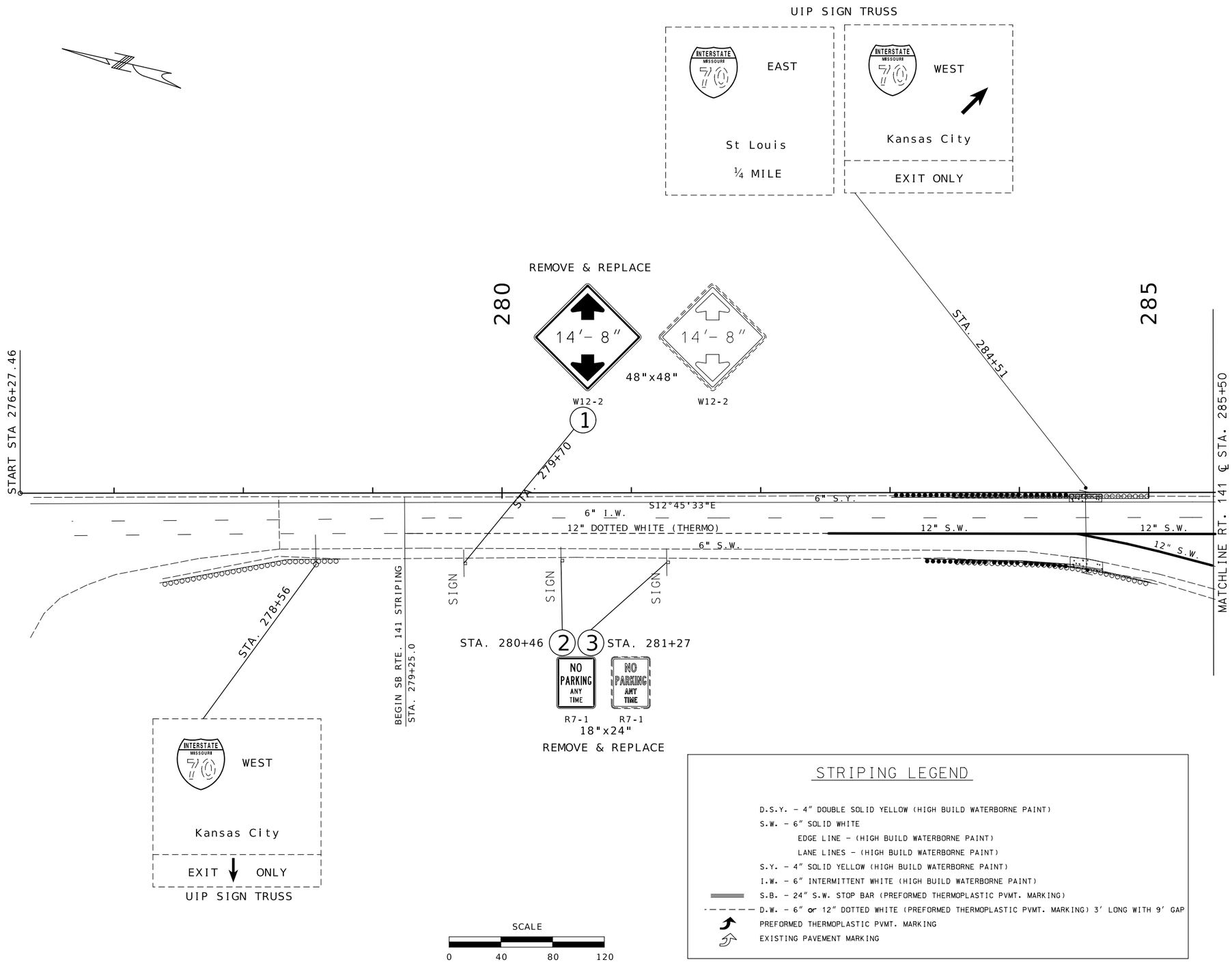
STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
08/28/2024 8:49:32 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 22
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

PAVEMENT MARKING & SIGNING PLANS



STRIPING LEGEND

D.S.Y. – 4″ DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
S.W. – 6″ SOLID WHITE
EDGE LINE – (HIGH BUILD WATERBORNE PAINT)
LANE LINES – (HIGH BUILD WATERBORNE PAINT)
S.Y. – 4″ SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
I.W. – 6″ INTERMITTENT WHITE (HIGH BUILD WATERBORNE PAINT)
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D.W. – 6″ or 12″ DOTTED WHITE (PREFORMED THERMOPLASTIC PVMT. MARKING) 3′ LONG WITH 9′ GAP
PREFORMED THERMOPLASTIC PVMT. MARKING
EXISTING PAVEMENT MARKING

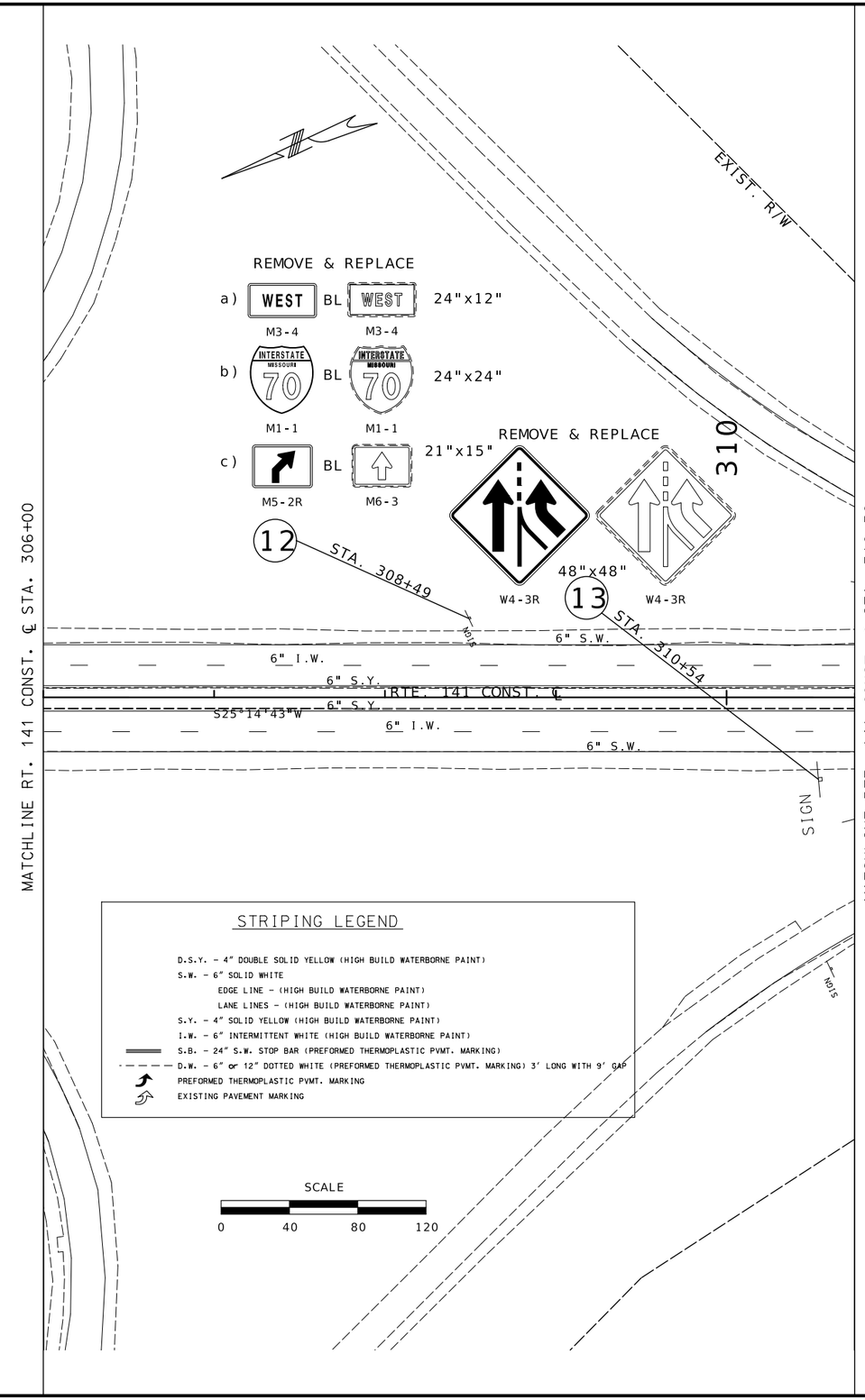
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:20:42 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	23
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
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)

PAVEMENT MARKING & SIGNING PLAN



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:20:58 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

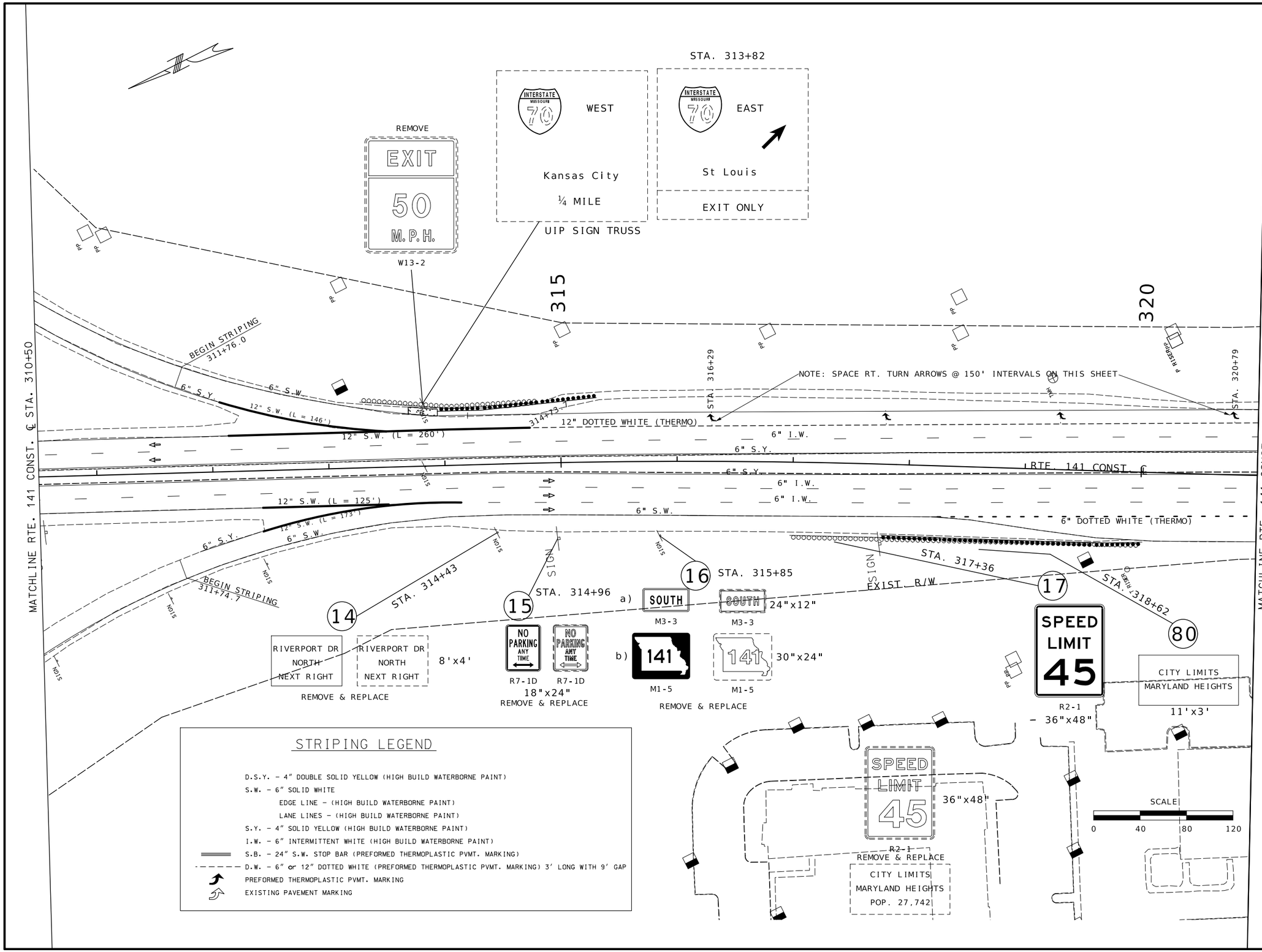
DATE PREPARED	7/23/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	24
COUNTY	ST. LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING & SIGNING SHEET



STRIPING LEGEND

D.S.Y. – 4" DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
S.W. – 6" SOLID WHITE
EDGE LINE – (HIGH BUILD WATERBORNE PAINT)
LANE LINES – (HIGH BUILD WATERBORNE PAINT)
S.Y. – 4" SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
I.W. – 6" INTERMITTENT WHITE (HIGH BUILD WATERBORNE PAINT)
S.B. – 24" S.W. STOP BAR (PREFORMED THERMOPLASTIC PVMT. MARKING)
D.W. – 6" or 12" DOTTED WHITE (PREFORMED THERMOPLASTIC PVMT. MARKING) 3' LONG WITH 9' GAP
PREFORMED THERMOPLASTIC PVMT. MARKING
EXISTING PAVEMENT MARKING

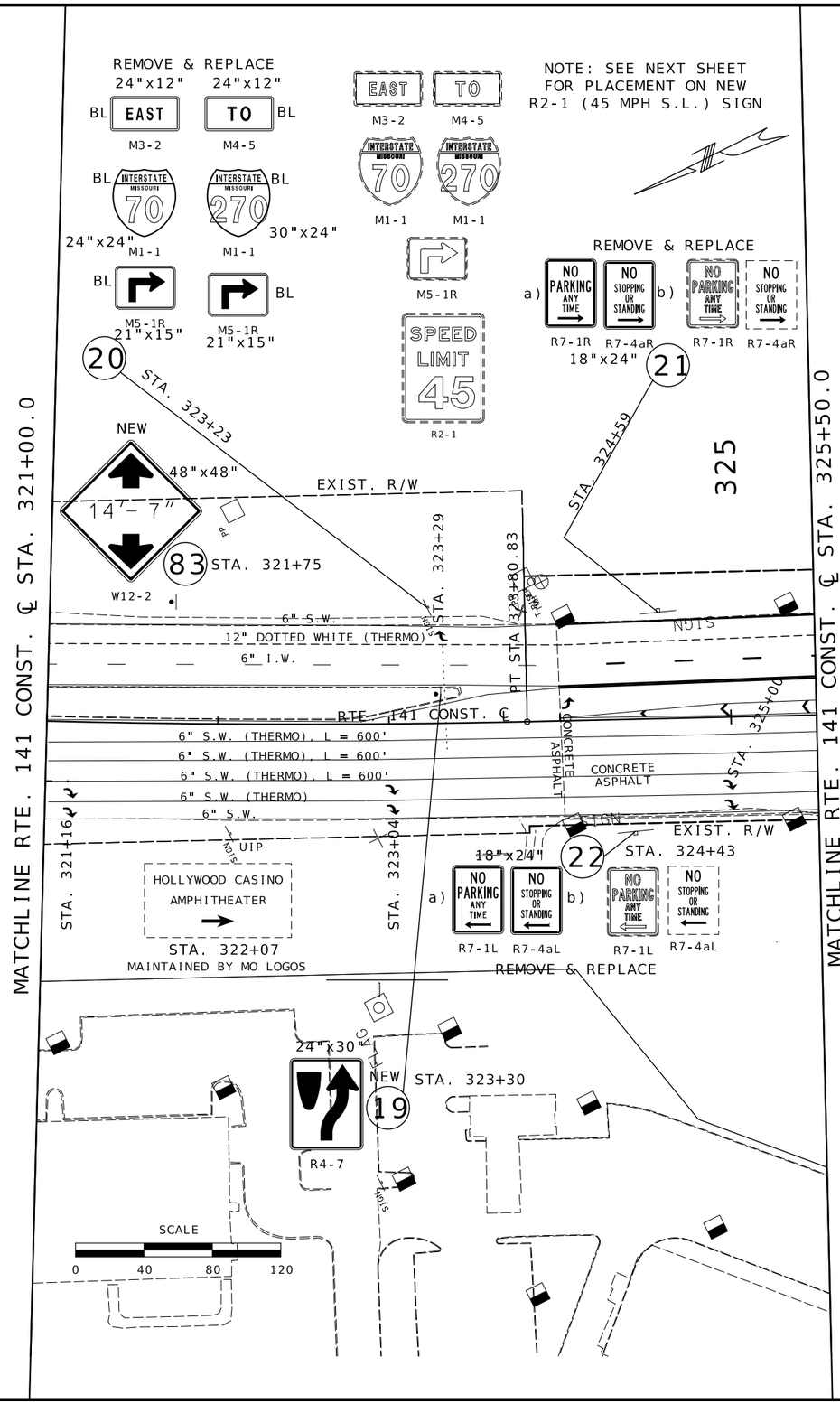
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:21:18 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-200401720 2

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 25
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

PAVEMENT MARKING & SIGNING SHEET



STRIPING LEGEND

D.S.Y. - 4" DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
S.W. - 6" SOLID WHITE
EDGE LINE - (HIGH BUILD WATERBORNE PAINT)
LANE LINES - (HIGH BUILD WATERBORNE PAINT)
S.Y. - 4" SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
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D.W. - 6" DOTTED WHITE (HIGH BUILD WATERBORNE PAINT) 3' LONG WITH 9' GAP
PREFORMED THERMOPLASTIC PVMT. MARKING
EXISTING PAVEMENT MARKING

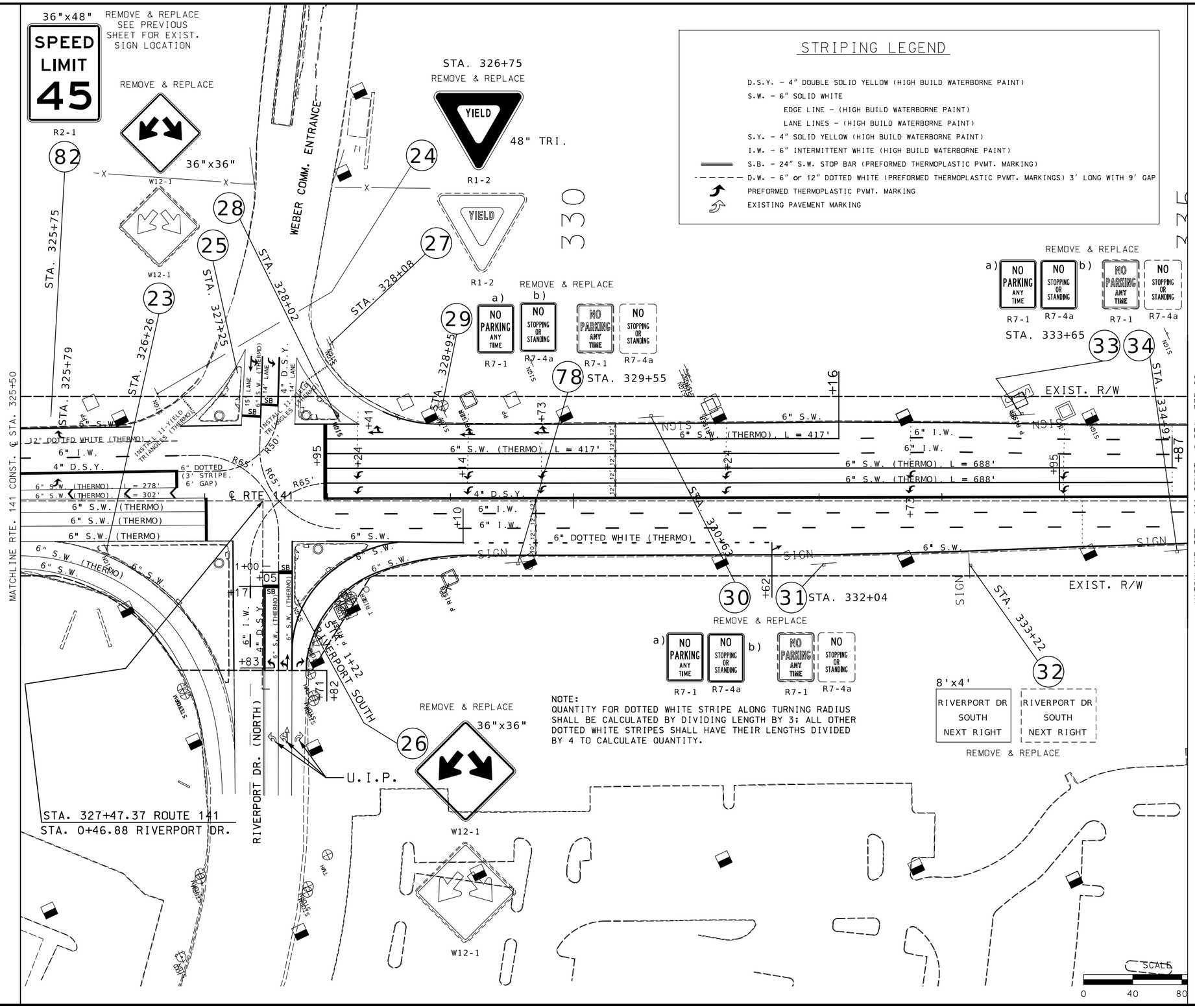
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:22:56 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 26
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

PAVEMENT MARKING & SIGNING PLAN



STRIPING LEGEND

- D.S.Y. – 4" DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
- S.W. – 6" SOLID WHITE
  - EDGE LINE – (HIGH BUILD WATERBORNE PAINT)
  - LANE LINES – (HIGH BUILD WATERBORNE PAINT)
- S.Y. – 4" SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
- I.W. – 6" INTERMITTENT WHITE (HIGH BUILD WATERBORNE PAINT)
- S.B. – 24" S.W. STOP BAR (PREFORMED THERMOPLASTIC PVMT. MARKING)
- D.W. – 6" or 12" DOTTED WHITE (PREFORMED THERMOPLASTIC PVMT. MARKINGS) 3' LONG WITH 9' GAP
- PREFORMED THERMOPLASTIC PVMT. MARKING
- EXISTING PAVEMENT MARKING

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:23:16 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 27
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

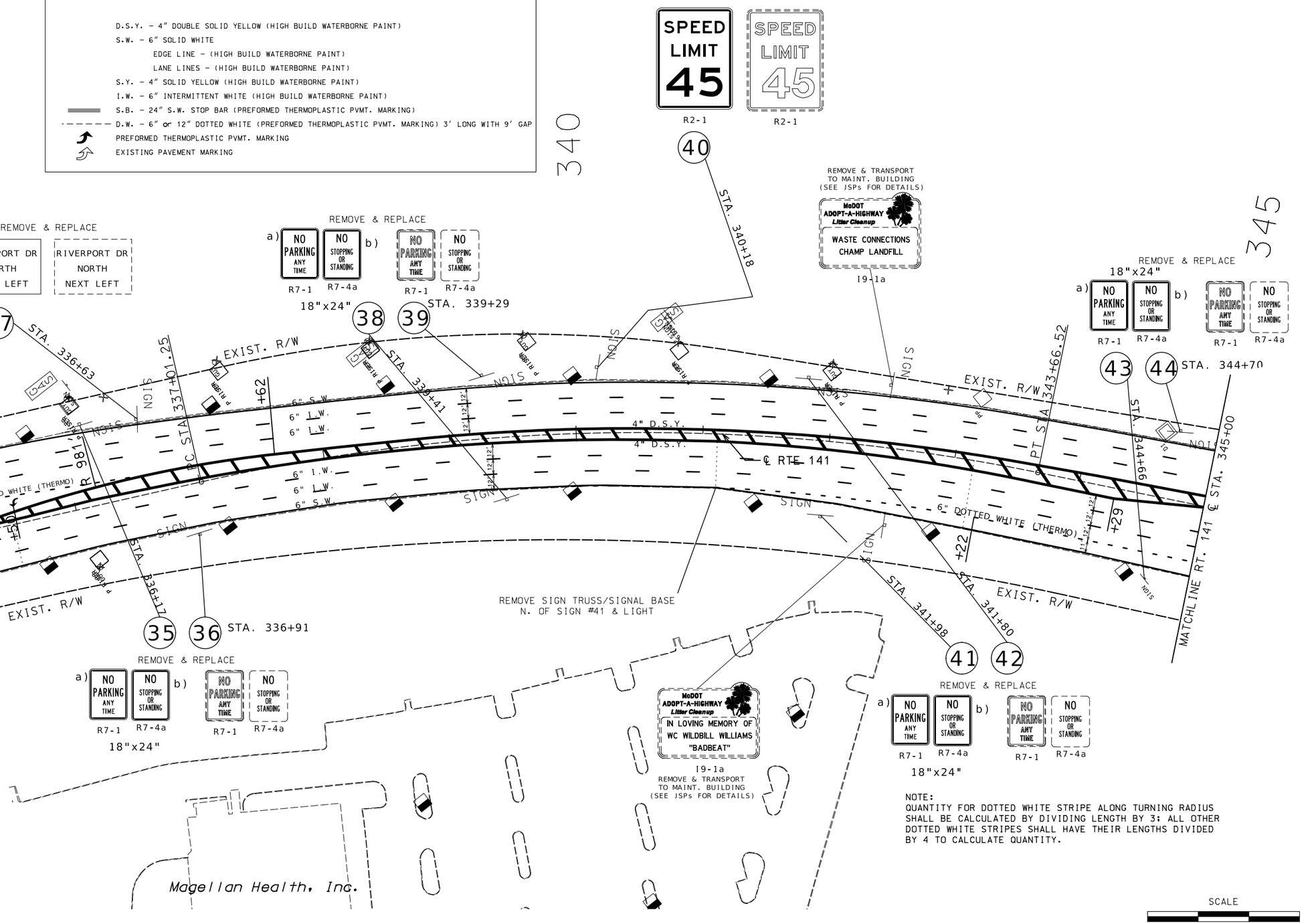
DATE	DESCRIPTION

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

PAVEMENT MARKING & SIGNING PLAN

STRIPING LEGEND

D.S.Y. - 4" DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
S.W. - 6" SOLID WHITE
EDGE LINE - (HIGH BUILD WATERBORNE PAINT)
LANE LINES - (HIGH BUILD WATERBORNE PAINT)
S.Y. - 4" SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
I.W. - 6" INTERMITTENT WHITE (HIGH BUILD WATERBORNE PAINT)
S.B. - 24" S.W. STOP BAR (PREFORMED THERMOPLASTIC PVMT. MARKING)
D.W. - 6" or 12" DOTTED WHITE (PREFORMED THERMOPLASTIC PVMT. MARKING) 3' LONG WITH 9' GAP
PREFORMED THERMOPLASTIC PVMT. MARKING
EXISTING PAVEMENT MARKING



NOTE:
QUANTITY FOR DOTTED WHITE STRIPE ALONG TURNING RADIUS SHALL BE CALCULATED BY DIVIDING LENGTH BY 3; ALL OTHER DOTTED WHITE STRIPES SHALL HAVE THEIR LENGTHS DIVIDED BY 4 TO CALCULATE QUANTITY.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
Daniel Savageau
08/28/2024 8:48:56 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 28
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

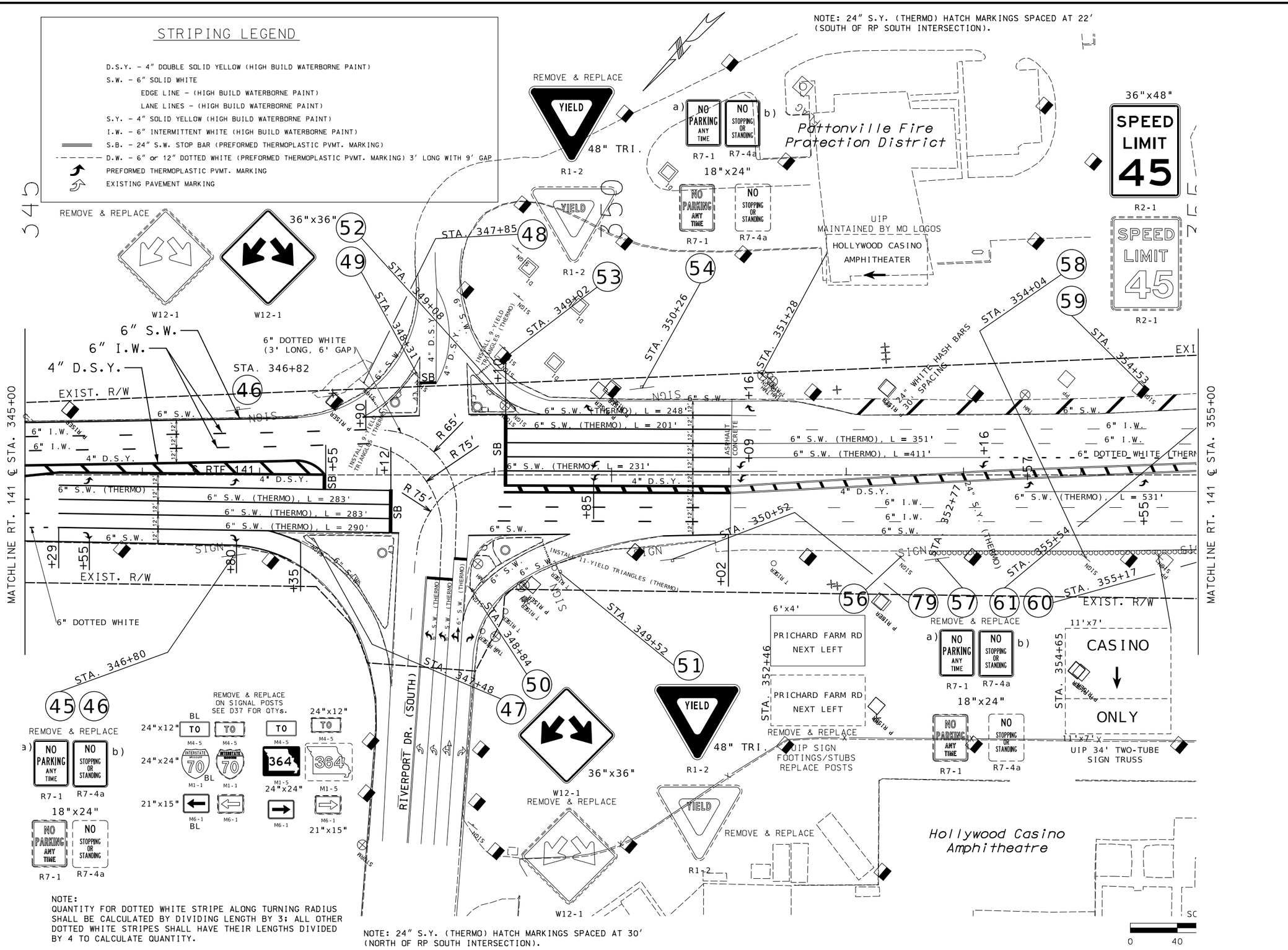
DATE	DESCRIPTION

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

PAVEMENT MARKING & SIGNING PLANS

STRIPING LEGEND

D.S.Y. – 4″ DOUBLE SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
S.W. – 6″ SOLID WHITE
EDGE LINE – (HIGH BUILD WATERBORNE PAINT)
LANE LINES – (HIGH BUILD WATERBORNE PAINT)
S.Y. – 4″ SOLID YELLOW (HIGH BUILD WATERBORNE PAINT)
I.W. – 6″ INTERMITTENT WHITE (HIGH BUILD WATERBORNE PAINT)
S.B. – 24″ S.W. STOP BAR (PREFORMED THERMOPLASTIC PVMT. MARKING)
D.W. – 6″ or 12″ DOTTED WHITE (PREFORMED THERMOPLASTIC PVMT. MARKING) 3′ LONG WITH 9′ GAP
PREFORMED THERMOPLASTIC PVMT. MARKING
EXISTING PAVEMENT MARKING



NOTE:
QUANTITY FOR DOTTED WHITE STRIPE ALONG TURNING RADIUS SHALL BE CALCULATED BY DIVIDING LENGTH BY 3; ALL OTHER DOTTED WHITE STRIPES SHALL HAVE THEIR LENGTHS DIVIDED BY 4 TO CALCULATE QUANTITY.

NOTE: 24″ S.Y. (THERMO) HATCH MARKINGS SPACED AT 30′ (NORTH OF RP SOUTH INTERSECTION).

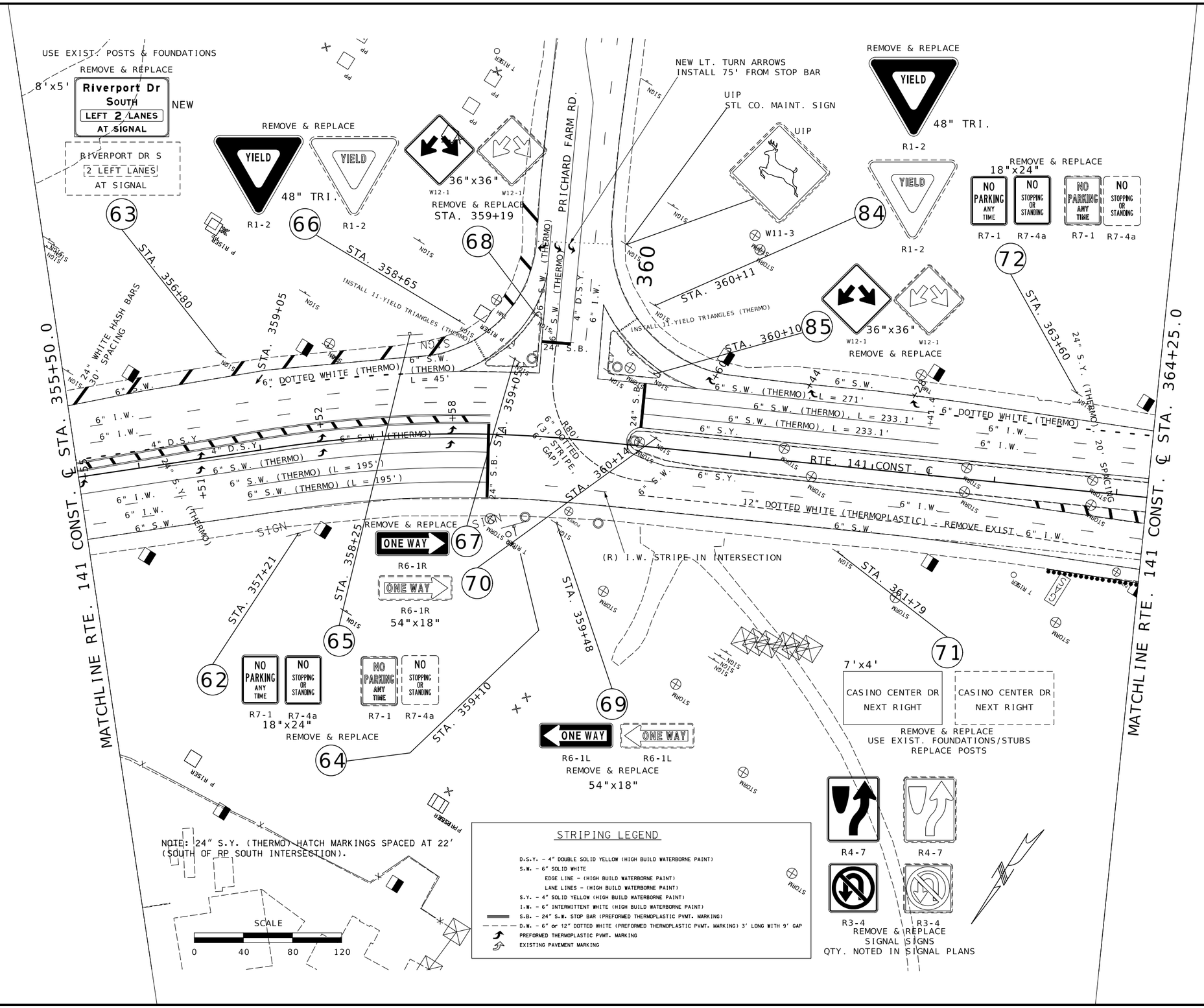
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:23:49 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 29
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

PAVEMENT MARKING & SIGNING PLANS



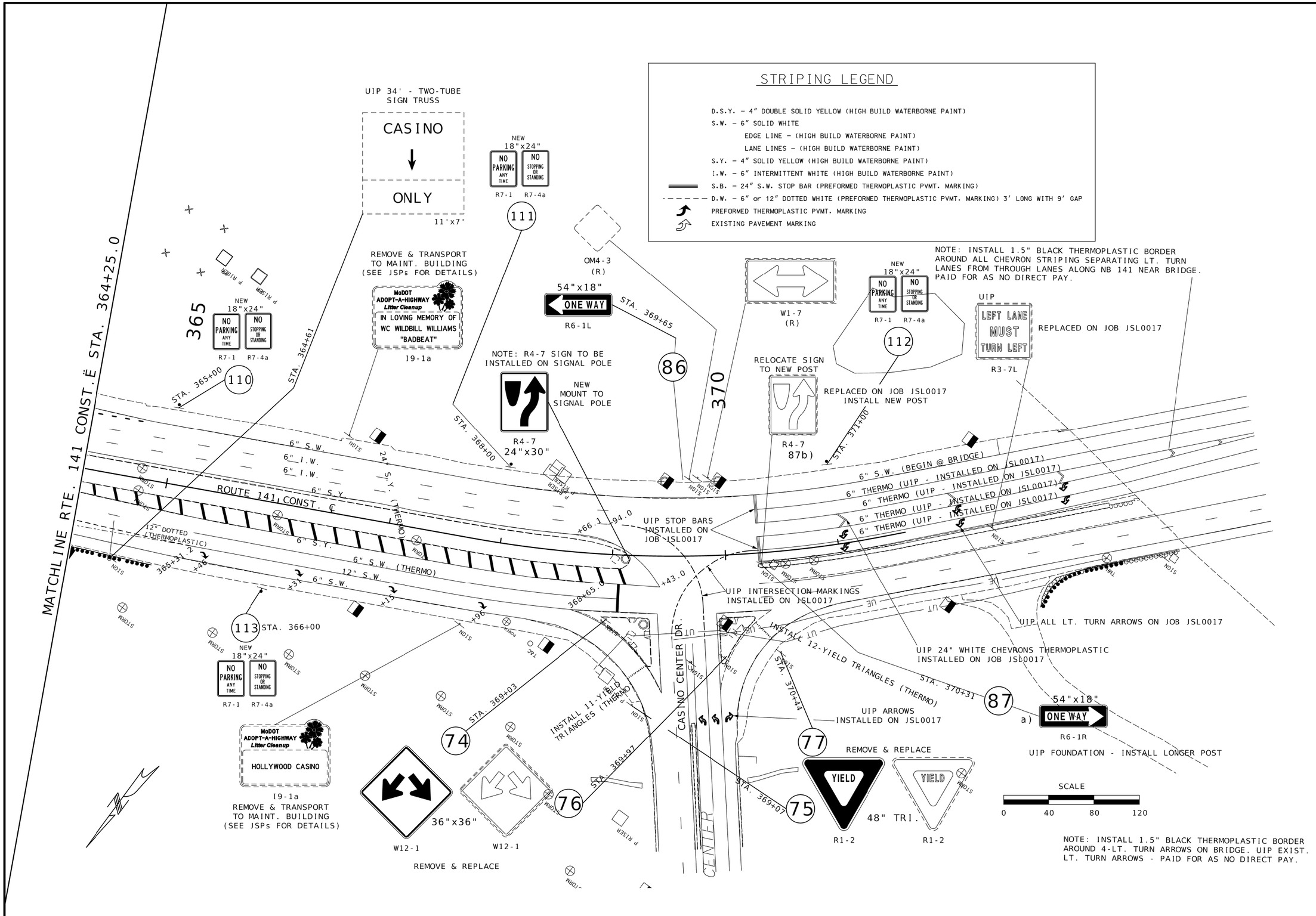
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:24:02 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/23/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 30
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

PAVEMENT MARKING & SIGNING PLANS



STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 8:46:45 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 31
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

PAVEMENT MARKING & SIGNING PLANS

SIGNS								STRUCTURAL STEEL POSTS*						PIPE POST *					BACKING BARS **				CONCRETE	U	PERFORATED SQUARE STEEL TUBE POST													
902 SIGNAL SIGNS TABULATED ON D-37A SHEET																			2" X 3/8" BARS BARS @ 2.55 LBS PER LIN FT				FOOTINGS	CHANNEL	2 IN. POST						2.5 IN. POST						BREAK-AWAY	
								POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL					EMBEDDED	POST	POST NO. 1	POST NO. 2	TOTAL	ANCHORS DRIVEN 12 GA.	ANCHORS DRIVEN 7 GA.	ANCHORS CONCRETE 7 GA.	POST NO. 1	POST NO. 2	TOTAL	2.25" INSERT (6 FT.)	ANCHORS DRIVEN 7 GA.	ANCHORS CONCRETE 7 GA.	ASSEMBLY	
SIGN NO.	SIGN SIZE	PLAN SHEET	STATION	HORZ CLEAR IF NOT STD. (FT.)	LOCATION	TOTAL SIGN HT. FOR POST CALC. IN.	SIGN DTL. SHT. NO.						ITEM NO. 9031210 LBS					ITEM NO. 9031220 LBS	NO. EACH	LGTH IN.	TOTAL LF	ITEM NO. 9031210 TOTAL LBS	ITEM NO. 9031010 CY YDS	ITEM NO. 9031250A LF			ITEM NO. 9031270A	ITEM NO. 9031271A	ITEM NO. 9031273A	ITEM NO. 9031274			ITEM NO. 9031280	ITEM NO. 9031272A	ITEM NO. 9031281A	ITEM NO. 9031285	ITEM NO. 9031241	SIGN NO.
									LF	LF	LF			IN.	LF	LF		LBS							LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	
1	48x48	23	279+70		RT.	67.9	STD.							4	21.25		10.79	229					0.36														1	1
2	18x24	23	280+46		RT.	24.0	STD.							2.5	15.5		5.79	90					0.13														1	2
3	18x24	23	281+27		RT.	24.0	STD.							2.5	15.5		5.79	90					0.13														1	3
4	24x12 30x24	20	280+92		LT.	37.0	STD.							2.5	17		5.79	98					0.13														1	4
5	36x48	21	288+81		LT.	48.0	STD.							2.5	15.5		5.79	90					0.13														1	5
6	24x12 24x24 21x15	21	292+98		RT.	53.0	STD.							2.5	16		5.79	93					0.13														1	6
7	60" TRI.	22	303+68		LT.	52.0	STD.							4	17.0		10.79	183					0.36														1	7
8	48x60	22	302+81		RT.	60.0	STD.							4	17.5		10.79	189					0.36														1	8
9	48x60	22	302+51		RT.	60.0	STD.							4	17.5		10.79	189					0.36														1	9
10	60" TRI.	22	303+68		LT.	52.0	STD.							4	17.0		10.79	183					0.36														1	10
11	24x30 48x48	22	303+94	2.5	LT.	79.0	STD.							4	19.25		10.79	208					0.36														1	11
12	24x12 24x24 21x15	24	308+49		LT.	53.0	STD.							2.5	18.5		5.79	107					0.13														1	12
13	48x48	24	310+54		RT.	67.9	STD.							4	18.25		10.79	197					0.36														1	13
14	96x48	25	314+43		RT.	48.0	35							4	18.75	20.5	10.79	424					0.72														2	14
15	18x24	25	314+96		RT.	24.0	STD.							2.5	13.5		5.79	78					0.13														1	15
16	24x12 30x24	25	315+85		RT.	37.0	STD.							2.5	14.75		5.79						0.13														1	16
17	36x48	25	317+36		RT.	48.0	STD.							2.5	15.5		5.79	90					0.13														1	17
80	132x36	25	318+62		RT.	36.0	35	1	13.5	13.5		9	243										0.28														2	80
19	24x30	26	323+31	2	MEDIAN	30.0	STD.							2.5	14		5.79	81					0.13														1	19
20	ASSEMBLY	26	323+23		LT.	53.0	STD.							4	18		10.79	194	4	50	16.67	43	0.36														1	20
83	48x48	26	321+75		LT.	67.9	STD.							4	19.25		10.79						0.36														1	83
82	36x48	27	325+75		LT.	48.0	STD.							2.5	16.5		5.79	96					0.13														1	82
21	18x24 18x24	26			LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	21
22	18x24 18x24	26	324+43		RT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	22
23	36x36	27	326+26	2	RT.	50.9	STD.							2.5	15.75		5.79	91					0.13														1	23
24	48" TRI.	27	326+75		LT.	41.6	STD.							4	16		10.79	173					0.36														1	24
25	36x36	27	327+25	2	LT.	50.9	STD.							2.5	15.75		5.79	91					0.13														1	25
26	36x36	27	327+78	2	RT.	50.9	STD.							2.5	15.75		5.79	91					0.13														1	26
27	48" TRI.	27	328+08		LT.	41.6	STD.							4	16		10.79	173					0.36														1	27
28	36x36	27	328+02	2	LT.	50.9	STD.							2.5	15.75		5.79	91					0.13														1	28
29	18x24 18x24	27	328+95		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	29
78	18x24 18x24	27	329+55		RT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	78
30	18x24 18x24	27	330+63		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	30
31	18x24 18x24	27	322+04		RT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	31
32	96x48	27	333+22		RT.	48.0	35							4	17.5	17.5	10.79	378					0.72														2	32
33	18x24 18x24	27	333+65		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	33
34	18x24 18x24	27	334+91		RT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	34
35	18x24 18x24	28	336+17		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	35
36	18x24 18x24	28	336+91		RT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	36
37	96x48	28	336+63		LT.	48.0	35							4	18.75	20.25	10.79	421					0.72														2	37
38	18x24 18x24	28	339+41		RT.	24.0	STD.							2.5	13.5		5.79	78					0.13														1	38
39	18x24 18x24	28	339+29		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	39
40	36x48	28	340+18		LT.	48.0	STD.							2.5	15.5		5.79	90					0.13														1	40
41	18x24 18x24	28	341+98		RT.	24.0	STD.							2.5	15.5		5.79	90	2	50	8.33	21	0.13														1	41
42	18x24 18x24	28	341+80		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	42
43	18x24 18x24	28	344+66		RT.	24.0	STD.							2.5	15.5		5.79	90	2	50	8.33	21	0.13														1	43
44	18x24 18x24	28	344+70		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13														1	44
												SUBTOTALS 1	243					5780				358	10.56	0			0	0	0	0			0	0	0	0	51	

NOTE: MOST SIGN STATIONS LISTED ABOVE MATCH THE EXIST. SIGN STATION OF THE SIGN TO BE REMOVED EXCEPT 'YIELD' & DOWN DOWN ARROWS.
NOTE: CONTRACTOR SHALL ADJUST SIGN LOCATIONS AS NEEDED TO AVOID EXIST. SIGNS. NO ADDITIONAL PAY TO MAKE THIS ADJUSTMENT.

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL & PIPE POSTS
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL QTY. IF YOU DO NOT HAVE STRUCTURAL STEEL POSTS, THEN TOTAL IS INCLUDED WITH PIPE POST QTY.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB	FOOTING	DEPTH	CONCRETE
(IN.)	LBS/FT	LBS/IN	LENGTH	DIA.		C.Y.
2.5	5.79	0.48	4'-3.5"	12"	4'-6"	0.13
4	10.79	0.9	5'-3.5"	18"	5'-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST					FOOTING								
						LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
DES. NO.	NOM. SIZE	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	DIA.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.16
2	W6	15	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.5	4'-3"	0.51	4'-6"	0.51
3	W8	18	1.5	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.74
4	W10	22	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.39
5	W10	26	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.43
6	W12	35	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.56

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:24:37 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED 7/23/2024
ROUTE 141 | STATE MO
DISTRICT SL | SHEET NO. 32
COUNTY ST. LOUIS
JOB NO. JSL0028
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)

SIGN POST QUANTITIES

SIGNS								STRUCTURAL STEEL POSTS*						PIPE POST *					BACKING BARS **				CONCRETE	U	PERFORATED SQUARE STEEL TUBE POST													
902 SIGNAL SIGNS TABULATED ON D-37A SHEET								POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL	2" X 3/8" BARS BARS @ 2.55 LBS PER LIN FT			ITEM NO. 9031210	FOOTINGS EMBEDDED	CHANNEL POST	2 IN. POST						2.5 IN. POST						BREAK-AWAY ASSEMBLY	
SIGN NO.	SIGN SIZE	PLAN SHEET	STATION	HORZ CLEAR IF NOT STD. (FT.)	LOCATION	TOTAL SIGN HT. FOR POST CALC. IN.	SIGN DTL. SHT. NO.	ITEM NO. 9031210 LBS	LF	LF	LF			IN.	LF	LF		ITEM NO. 9031220 LBS	NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031010 CY YDS	ITEM NO. 9031250A LF	POST NO. 1 LF	POST NO. 2 LF	TOTAL ITEM NO. 9031270A LF	ANCHORS DRIVEN 12 GA. ITEM NO. 9031271A LF	ANCHORS DRIVEN 7 GA. ITEM NO. 9031273A LF	ANCHORS CONCRETE 7 GA. ITEM NO. 9031274 LF	POST NO. 1 LF	POST NO. 2 LF	TOTAL ITEM NO. 9031280 LF	2.25" INSERT (6 FT.) ITEM NO. 9031272A LF	ANCHORS DRIVEN 7 GA. ITEM NO. 9031281A LF	ANCHORS CONCRETE 7 GA. ITEM NO. 9031285 LF	ITEM NO. 9031241 EACH	SIGN NO.
45	18x24 18x24	29	346+80		RT.	24.0	STD.							2.5	15.5		5.79	90	2	50	8.33	21	0.13															1	45
46	18x24 18x24	29	346+82		LT.	24.0	STD.							2.5	15.5		5.79	90	2	50	8.33	21	0.13															1	46
47	36x36	29	347+48	2	RT.	50.9	STD.							2.5	15.75		5.79	91					0.13															1	47
48	48" TRI.	29	347+85		LT.	41.6	STD.							4	16.0		10.79	173					0.36															1	48
49	36x36	29	348+31	2	LT.	50.9	STD.							2.5	15.75		5.79	91					0.13															1	49
50	36x36	29	348+84	2	RT.	50.9	STD.							2.5	15.75		5.79	91					0.13																50
51	48" TRI.	29	349+52		RT.	41.6	STD.							4	18.0		10.79	194					0.36															1	51
52	36x36	29	349+08	2	LT.	50.9	STD.							2.5	15.75		5.79	91					0.13															1	52
53	48" TRI.	29	349+02	2	LT.	41.6	STD.							4	16.0		10.79	173					0.36															1	53
79	18x24 18x24	29	350+52		RT.	24.0	STD.							2.5	15.5		5.79	90	2	50	8.33	21	0.13															1	79
54	18x24 18x24	29	350+26		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13															1	54
56	72x48	29	352+46		RT.	48.0	36							4	13	14	10.79	291					0		USE EXIST. FOUNDATIONS/STUBS													2	56
57	18x24 18x24	29	352+77		RT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13															1	57
58	36x48	29	354+04		RT.	48.0	STD.							2.5	16.5		5.79	96					0.13															1	58
59	36x48	29	354+53		LT.	48.0	STD.							2.5	18.25		5.79	106					0.13															1	59
60	18x24 18x24	29	355+17		RT.	24.0	STD.							2.5	14.5		5.79	84	2	50	8.33	21	0.13															1	60
61	18x24 18x24	29	355+54		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13															1	61
62	18x24 18x24	30	357+21		RT.	24.0	STD.							2.5	15.5		5.79	90	2	50	8.33	21	0.13															1	62
63	96x60	30	356+80		LT.	60.0	36							4	0	0	10.79	0					0		USE EXIST. POSTS/FOUNDATIONS/STUBS													0	63
64	18x24 18x24	30	354+04		RT.	24.0	STD.							2.5	15.5		5.79	90	2	50	8.33	21	0.13															1	64
65	18x24 18x24	30	358+25		LT.	24.0	STD.							2.5	13.5		5.79	78	2	50	8.33	21	0.13															1	65
66	48" TRI.	30	358+65		LT.	41.6	STD.							4	16.0		10.79	173					0.36															1	66
67	54x18	30	359+05	4	LT.	18.0	STD.							2.5	13		5.79	75	2	38	6.33	16	0.13															1	67
68	36x36	30	359+19	2	LT.	50.9	STD.							2.5	15.75		5.79	91					0.13															1	68
69	54x18	30	359+47		RT.	18.0	STD.							2.5	15		5.79	87	2	38	6.33	16	0.13															1	69
70	54x18	30	360+14		MEDIAN	18.0	STD.							2.5	13		5.79	75	2	38	6.33	16	0.13															1	70
71	84x48	30	361+79		RT.	48.0	36							4	13.25	14.5	10.79	299					0		USE EXIST. FOUNDATIONS/STUBS													2	71
72	18x24 18x24	30	363+60		LT.	24.0	STD.							2.5	15.5		5.79	90	2	50	8.33	21	0.13															1	72
84	48" TRI.	30	360+11		LT.	41.6	STD.							4	16.0		10.79	173					0.36															1	85
85	36x36	30	360+10	2	LT.	50.9	STD.							2.5	15.75		5.79	91					0.13															1	85
73	24x30	INSTALL ON SIGNAL POST - SEE SIGNAL QTY. FOR PAY ITEM																																					73
74	36x36	31	369+03	2	RT.	50.9	STD.							2.5	15.75		5.79	91					0.13															1	74
75	48" TRI.	31	369+07	2	RT.	41.6	STD.							4	16.0		10.79	173					0.36															1	75
76	36x36	31	369+97	2	RT.	50.9	STD.							2.5	15.75		5.79	91					0.13															1	76
77	48" TRI.	31	370+44		RT.	41.6	STD.							4	16.0		10.79	173					0.36															1	77
86	54x18	31	369+65		LT.	18.0	STD.							2.5	15.0		5.79	87	2	38	6.33	16	0.13															1	86
87	54x18	31	370+31		RT.	49.0	STD.							2.5	11.25		5.79	65	2	38	6.33	16	0		UIP FOUNDATION - REPLACE POST													1	87
110	18x24 18x24	31	365+00		LT.	24.0	STD.							2.5	15.50		5.79	90	2	50	8.33	21	0.13															1	110
111	18x24 18x24	31	368+00		LT.	24.0	STD.							2.5	15.50		5.79	90	2	50	8.33	21	0.13															1	111
112	18x24 18x24	31	371+00		LT.	24.0	STD.							2.5	15.50		5.79	90	2	50	8.33	21	0.13															1	112
113	18x24 18x24	31	366+00		RT.	24.0	STD.							2.5	15.50		5.79	90	2	50	8.33	21	0.13															1	113
								SUBTOTALS 2	0									4437				395	6.29	0			0	0	0	0			0	0	0	0	40	
								SUBTOTALS 1	243									5780				358	10.56															51	
								PAY TOTALS	1000									10220					16.9	0			0	0	0	0			0	0	0	0	*0	

NOTE: MOST SIGN STATIONS LISTED ABOVE MATCH THE EXIST. SIGN STATION OF THE SIGN TO BE REMOVED EXCEPT 'YIELD' & DOWN DOWN ARROWS.
NOTE: CONTRACTOR SHALL ADJUST SIGN LOCATIONS AS NEEDED TO AVOID EXIST. SIGNS. NO ADDITIONAL PAY TO MAKE THIS ADJUSTMENT.

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL & PIPE POSTS
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL QTY. IF YOU DO NOT HAVE STRUCTURAL STEEL POSTS, THEN TOTAL IS INCLUDED WITH PIPE POST QTY.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE	WEIGHT		STUB	FOOTING	DEPTH	CONCRETE
(IN.)	LBS/FT	LBS/IN	LENGTH	DIA.		C.Y.
2.5	5.79	0.48	4'-3.5"	12"	4'-6"	0.13
4	10.79	0.9	5'-3.5"	18"	5'-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST					FOOTING								
POST	NOM.	WEIGHT		STUB	DIA.	LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
DES. NO.	SIZE	LBS/FT	LBS/IN	LENGTH		DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.16
2	W6	15	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.5	4'-3"	0.51	4'-6"	0.51
3	W8	18	1.5	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.74
4	W10	22	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.39
5	W10	26	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.43
6	W12	35	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.56

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 8:47:16 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127
DATE PREPARED
8/28/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	33

COUNTY
ST. LOUIS

JOB NO.
JSL0028

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)

SIGN POST QUANTITIES

EFFECTIVE: 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN #	ROADWAY	PLAN SHEET #	STA.	LOCATION	14'-8" W3-2 48x48	NO PARKING ANY TIME R7-1 18x24	NO STOPPING OR STANDING R7-8a 18x24	NORTH M3-1 24x12	141 M1-5 30x24	SPEED LIMIT 45 R2-1 48x60	EAST M3-2 BL 24x12	MISSOURI 70 M1-1 BL 24x24	M5-2R BL 21x15	YIELD R1-2 60"	EXIT 30 M.P.H. W13-1 48x60	AUTHORIZED EMERGENCY VEHICLES ONLY R5-29 24x30	R3-4 48x48	30"x30" 48x48	NO PARKING ANY TIME R7-1D 18x24	SOUTH M3-3 24x12	R4-7 24x30	TO M4-5 BL 24x12	MISSOURI 270 M1-1 BL 30x24	M5-1R BL 21x15	NO PARKING ANY TIME R7-1L 18x24	NO STOPPING OR STANDING R7-4aL 18x24	NO PARKING ANY TIME R7-1R 18x24	NO STOPPING OR STANDING R7-4aR 18x24	36"x36" W13-1 36x36	YIELD R1-2 48"	ONE WAY R6-1L 54x18	ONE WAY R6-1R 54x18	WEST M3-4 BL 24x12
					TYPE																												
					SHF	SH	SH	SH	SH	SH	SH	SH	SH	SH	SHF	SH	SH	SHF	SH	SH	SH	SH	SH	SH	SH	SH	SH	SHF	SH	SH	SH	SH
1	SB 141	23	279+70	RT.	1																												
2	SB 141	23	280+46	RT.		1																											
3	SB 141	23	281+27	RT.		1																											
4	NB 141	20	280+92	LT.				1	1																								
5	NB 141	21	288+81	LT.						1																							
6	SB 141	21	292+98	RT.							1	1	1																				
7	SB 141	22	303+68	RT.										1																			
8	NB 141	22	302+81	LT.											1																		
9	SB 141	22	302+51	RT.											1																		
10	NB 141	22	303+68	LT.										1																			
11	141	22	303+92	MEDIAN												2	2																
12	NB 141	24	308+49	LT.								1	1																			1	
13	SB 141	24	310+54	RT.														1															
15	SB 141	25	314+96	RT.															1														
16	SB 141	25	316+85	RT.					1											1													
17	SB 141	25	317+36	RT.						1																							
19	141	26	323+30	MEDIAN																	1												
20	NB 141	26	323+23	LT.							1	1										1	1	2									
83	NB 141	26	321+75	LT.	1																												
82	NB 141	27	325+75	LT.						1																							
21	NB 141	26	324+59	LT.																							1	1					
22	SB 141	26	324+43	RT.																					1	1							
23	SB 141	27	326+26	RT.																									1				
24	NB 141	27	326+75	LT.																										1			
25	NB 141	27	327+25	LT.																									1				
26	RP SOUTH	27	1+22	LT.																									1				
27	NB 141	27	328+08	LT.																										1			
28	NB 141	27	328+02	LT.																									1				
29	NB 141	27	328+95	LT.		1	1																										
78	SB 141	27	329+55	RT.		1	1																										
30	NB 141	27	330+63	LT.		1	1																										
31	SB 141	27	332+04	RT.		1	1																										
33	NB 141	27	333+65	LT.		1	1																										
34	SB 141	27	334+91	RT.		1	1																										
35	NB 141	28	336+17	LT.		1	1																										
36	SB 141	28	336+91	RT.		1	1																										
38	SB 141	28	339+41	RT.		1	1																										
39	NB 141	28	339+29	LT.		1	1																										
40	NB 141	28	340+18	LT.						1																							
41	SB 141	28	341+98	RT.		1	1																										
42	NB 141	28	341+80	LT.		1	1																										
43	SB 141	28	344+66	RT.		1	1																										
44	NB 141	28	344+70	LT.		1	1																										
45	SB 141	29	346+80	RT.		1	1																										
46	NB 141	29	346+82	LT.		1	1																										
47	SB 141	29	347+48	RT.																									1				
48	NB 141	29	347+85	LT.																										1			
49	NB 141	29	348+31	LT.																									1				
50	SB 141	29	348+84	RT.																									1				
51	SB 141	29	349+52	RT.																										1			
52	NB 141	29	349+08	LT.																									1				
53	NB 141	29	349+02	LT.																										1			
54	NB 141	29	350+26	LT.		1	1																										
79	SB 141	29	350+52	RT.		1	1																										
57	SB 141	29	352+77	RT.		1	1																										
58	SB 141	29	354+04	RT.						1																							
59	NB 141	29	354+53	LT.						1																							
60	SB 141	29	355+17	RT.		1	1																										
61	NB 141	29	355+54	LT.		1	1																										
62	SB 141	30	357+21	RT.		1	1																										
64	SB 141	30	359+10	RT.		1	1																										
65	NB 141	30	358+25	LT.		1	1																										
66	NB 141	30	358+65	LT.																										1			
67	NB 141	30	359+05	LT.																												1	
68	NB 141	30	359+19	LT.																									1				
69	SB 141	30	359+48	RT.																											1		
70	141	30	360+14	MEDIAN																												1	
72	NB 141	30	363+60	LT.		1	1																										
84	NB 141	30	360+11	LT.																										1			
85	NB 141	30	360+10	LT.																									1				
73	141	31	N/A	MEDIAN	NOTE: ATTACHED TO SIGNAL POLE																												
74	SB 141	31	369+03	RT.																									1				
75	SB 141	31	369+07	RT.																										1			
76	SB 141	31	369+97	RT.																									1				
77	SB 141	31	370+44	RT.																										1			
86	NB 141	31	369+65	LT.																											1		
87	SB 141	31	370+31	RT.																												1	
110	NB 141	31	365+00	LT.		1	1																										
111	NB 141	31	368+00	LT.		1	1																										
112	NB 141	31	371+00	LT.		1	1																										
113	SB 141	31	366+00	RT.		1	1																										
				TOTALS	2	31	29	1	2	6	2	3	2	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	12	9	2	3	1

* ORANGE, YELLOW & YELLOW/GREEN

MODIFIED D-30

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 8:47:53 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED
8/28/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	34

COUNTY
ST. LOUIS

JOB NO.
JSL0028

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)

SIGNING QUANTITIES

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE	SIZE, TYPE & SQUARE FEET			
				FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
R7-1 (NO PARKING ANY TIME)	STD.	31	18x24	93			
R7-4a (NO STOPPING OR STANDING)	STD.	29	18x24	87			
R7-1D (NO PARKING ANY TIME) - LT/RT ARROWS	STD.	1	18x24	3			
R7-1L (NO PARKING ANY TIME) - LT ARROW	STD.	1	18x24	3			
R7-1R (NO PARKING ANY TIME) - RT ARROW	STD.	1	18x24	3			
R7-4aL (NO STOPPING OR STANDING) - LT ARROW	STD.	1	18x24	3			
R7-4aR (NO STOPPING OR STANDING) - RT ARROW	STD.	1	18x24	3			
M3-1 (NORTH)	STD.	1	24x12	2			
M3-3 (SOUTH)	STD.	1	24x12	2			
M1-5 (MO RTE 141)	STD.	2	30x24	10			
R2-1 (45 MPH)	STD.	6	36x48	72			
R1-2 (YIELD) 48"	STD.	9	48" TRI.	62.35			
R1-2 (YIELD) 60"	STD.	2	60" TRI.	21.65			
R5-29 (AUTHORIZED & EMER. VEHICLES ONLY)	STD.	2	24x30	10			
R3-4 (NO U-TURN)	STD.	2	48x48	32			
R4-7 (KEEP RT)	STD.	1	24x30	5			
R6-1L (ONE WAY) LT ARROW	STD.	2	54x18	13.5			
R6-1R (ONE WAY) RT ARROW	STD.	3	54x18	20.25			
W12-2 (LOW CLEARANCE) (14'-8")	STD.	2	48x48		32		
W13-2 (EXIT ADVISORY SPEED 30 MPH)	STD.	2	48x60		40		
W4-3R (MERGE RIGHT)	STD.	1	48x48		16		
W12-1 (DOUBLE DOWN ARROWS)	STD.	12	36x36		108		
M3-2 (EAST) - BLUE	STD.	2	24x12	4			
M3-4 (WEST) - BLUE	STD.	1	24x12	2			
M1-1 (I-70) - BLUE	STD.	3	24x24	12			
M5-2R (AHEAD RT. ARROW) - BLUE	STD.	2	21x15	4.38			
M4-5 (TO) - BLUE	STD.	1	24x12	2			
M1-1 (I-270) - BLUE	STD.	1	30x24	5			
M5-1R (RT ARROW) - BLUE	STD.	2	21x15	4.38			
SIGN #14 - RIVERPORT DR. NORTH NEXT RT	36	1	96x48			32	
SIGN #80 - CITY LIMITS - MARYLAND HEIGHTS	37	1	132x36			33	
SIGN #32 - RIVERPORT DR. SOUTH NEXT RT	38	1	96x48			32	
SIGN #37 - RIVERPORT DR. NORTH NEXT LT	38	1	96x48			32	
SIGN #56 - PRICHARD FARM RD NEXT LT	39	1	72x48			24	
SIGN #63 - RIVERPORT DR S 2 LT LANES AT SIGNAL	40	1	96x60			40	
SIGN #71 - CASINO CENTER DR NEXT RIGHT	39	1	84x48			28	
			SUBTOTALS	479.51	196	221	0
			PAY TOTALS	480	196	221	0

* ORANGE, YELLOW & YELLOW/GREEN

MODIFIED D-30

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 8:48:25 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED: 8/28/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	35

COUNTY: ST. LOUIS

JOB NO.: JSL0028

CONTRACT ID.

PROJECT NO.

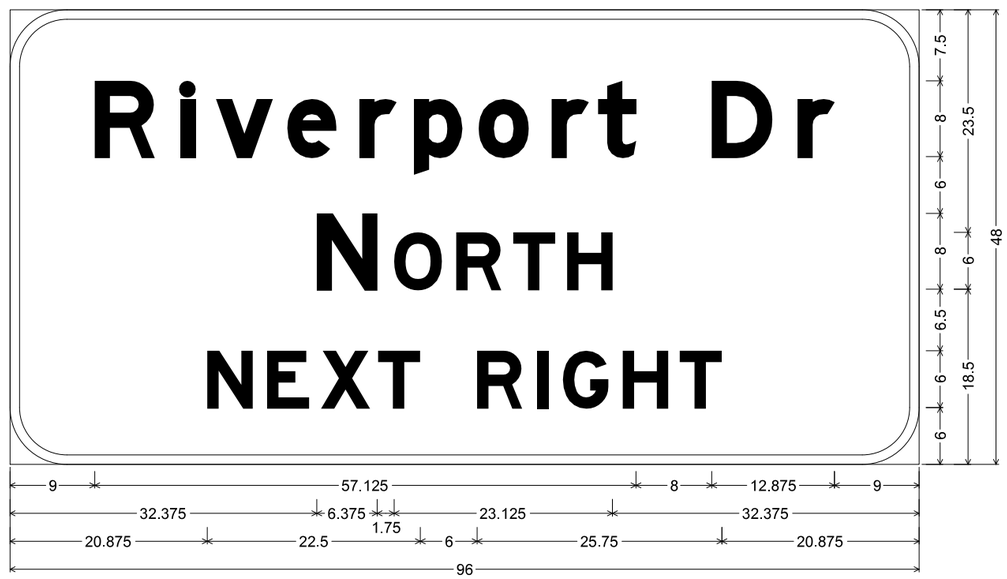
BRIDGE NO.

DATE	DESCRIPTION

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

SIGNING QUANTITIES

SIGN NO.	14
STATION	314+43
ROADWAY	SB 141



D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"Riverport Dr", E Mod; "NORTH", E Mod; "NEXT RIGHT", E Mod;
Table of letter and object lefts

R 9.000	**I** 18.000	**v** 21.750	**e** 29.250	**r** 36.875	**p** 42.625	**o** 49.500	**r** 57.250	**t** 62.125	**D** 74.125	**r** 83.125

N 32.375	**O** 40.500	**R** 47.125	**T** 53.125	**H** 58.875

N 20.875	**E** 27.125	**X** 32.875	**T** 38.875	**R** 49.375	**I** 55.625	**G** 58.375	**H** 64.750	**T** 70.750

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:25:36 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

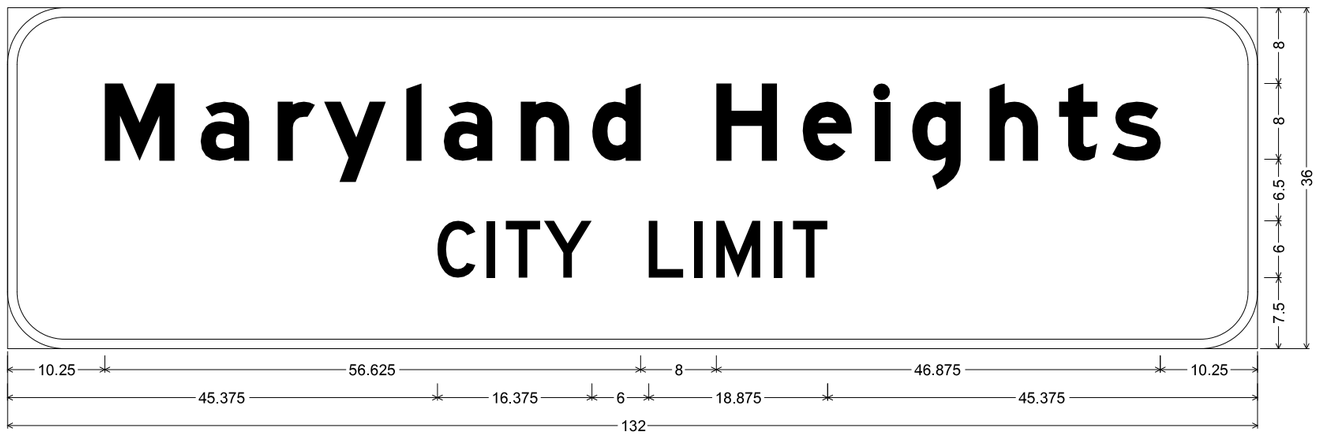
DATE PREPARED	7/17/2024
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 36
COUNTY	ST. LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

SIGN DETAILS

SIGN NO.	80
STATION	318+62
ROADWAY	SB 141



I4-1 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"Maryland Heights", E Mod; "CITY LIMIT", D;
Table of letter and object lefts

M	a	r	y	l	a	n	d	H	e	i	g	h	t	s
10.250	20.375	28.500	33.375	42.125	46.125	54.250	61.750	74.875	84.000	91.625	95.500	103.750	111.000	116.625

C	I	T	Y	L	I	M	I	T
45.375	50.500	52.625	56.625	67.750	72.500	74.875	80.875	83.000

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:25:49 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED
7/17/2024

ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	37

COUNTY
ST. LOUIS

JOB NO.
JSL0028

CONTRACT ID.

PROJECT NO.

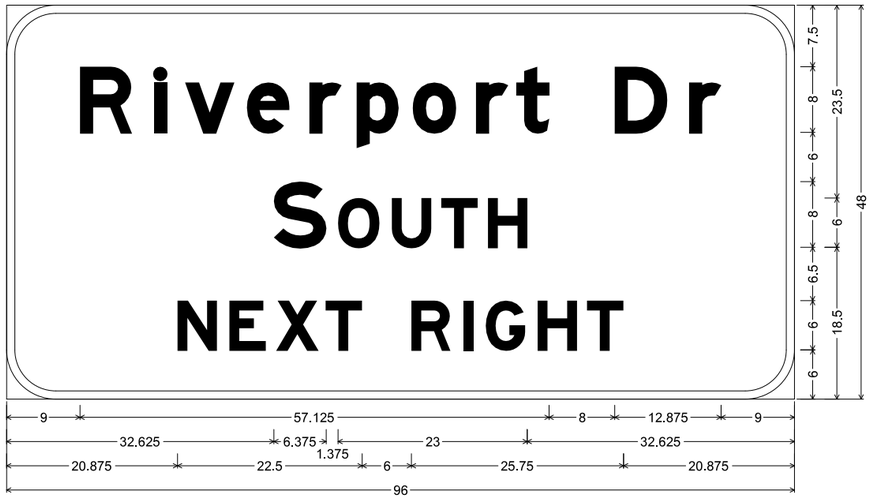
BRIDGE NO.

DESCRIPTION	DATE

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

SIGN DETAILS

SIGN NO.	32
STATION	333+22
ROADWAY	SB 141



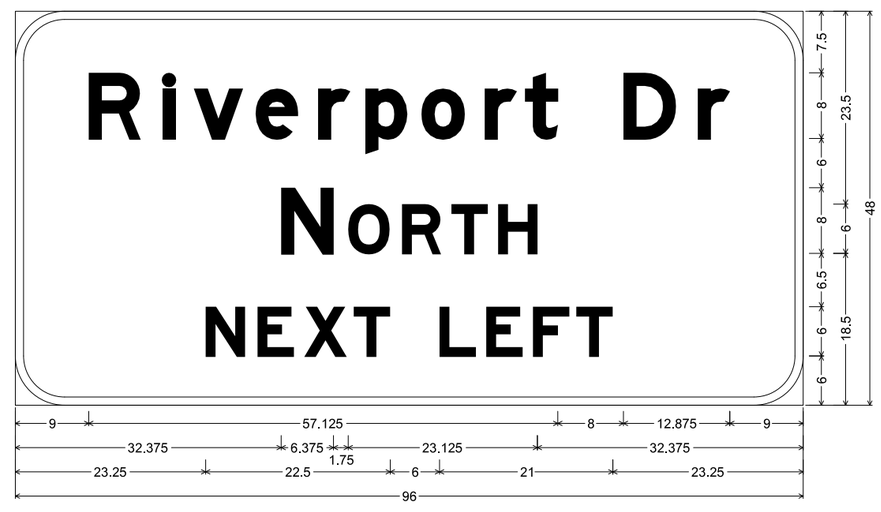
D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"Riverport Dr", E Mod; "SOUTH", E Mod; "NEXT RIGHT", E Mod;
Table of letter and object lefts

R 9.000	I 18.000	v 21.750	e 29.250	r 36.875	p 42.625	o 49.500	r 57.250	t 62.125	D 74.125	r 83.125

S 32.625	O 40.375	U 47.000	T 53.000	H 58.625

N 20.875	E 27.125	X 32.875	T 38.875	R 49.375	I 55.625	G 58.375	H 64.750	T 70.750

SIGN NO.	37
STATION	336+63
ROADWAY	NB 141



D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"Riverport Dr", E Mod; "NORTH", E Mod; "NEXT LEFT", E Mod;
Table of letter and object lefts

R 9.000	I 18.000	v 21.750	e 29.250	r 36.875	p 42.625	o 49.500	r 57.250	t 62.125	D 74.125	r 83.125

N 32.375	O 40.500	R 47.125	T 53.125	H 58.875

N 23.250	E 29.500	X 35.250	T 41.250	L 51.750	E 57.375	F 63.125	T 68.375

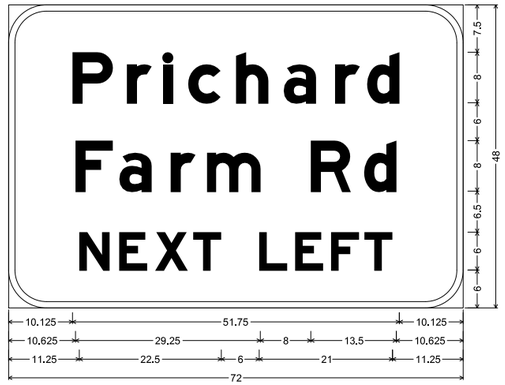
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:26:04 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/17/2024
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 38
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

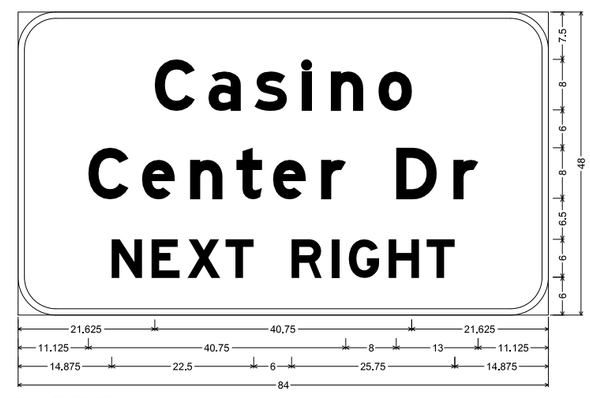
SIGN DETAILS



SIGN NO.	56
STATION	352+46
ROADWAY	SB 141

D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"Prichard", E Mod; "Farm Rd", E Mod; "NEXT LEFT", E Mod;
Table of letter and object lefts

P 10.125	**r** 18.750	**i** 24.500	**c** 28.500	**h** 36.000	**a** 43.625	**r** 51.750	**d** 56.750
F 10.625	**a** 17.500	**r** 25.625	**m** 31.375	**R** 47.875	**d** 56.250		
N 11.250	**E** 17.500	**X** 23.250	**T** 29.250	**L** 39.750	**E** 45.375	**F** 51.125	**T** 56.375



D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"Casino", E Mod; "Center Dr", E Mod; "NEXT RIGHT", E Mod;
Table of letter and object lefts

C 21.625	**a** 30.125	**s** 37.500	**i** 45.000	**n** 49.500	**o** 57.125			
C 11.125	**e** 19.625	**n** 27.250	**t** 34.625	**e** 40.375	**r** 48.000	**D** 59.875	**r** 69.000	
N 14.875	**E** 21.125	**X** 26.875	**T** 32.875	**R** 43.375	**i** 49.625	**G** 52.375	**H** 58.750	**T** 64.750

SIGN NO.	71
STATION	361+79
ROADWAY	SB 141

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:26:20 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED: 7/17/2024

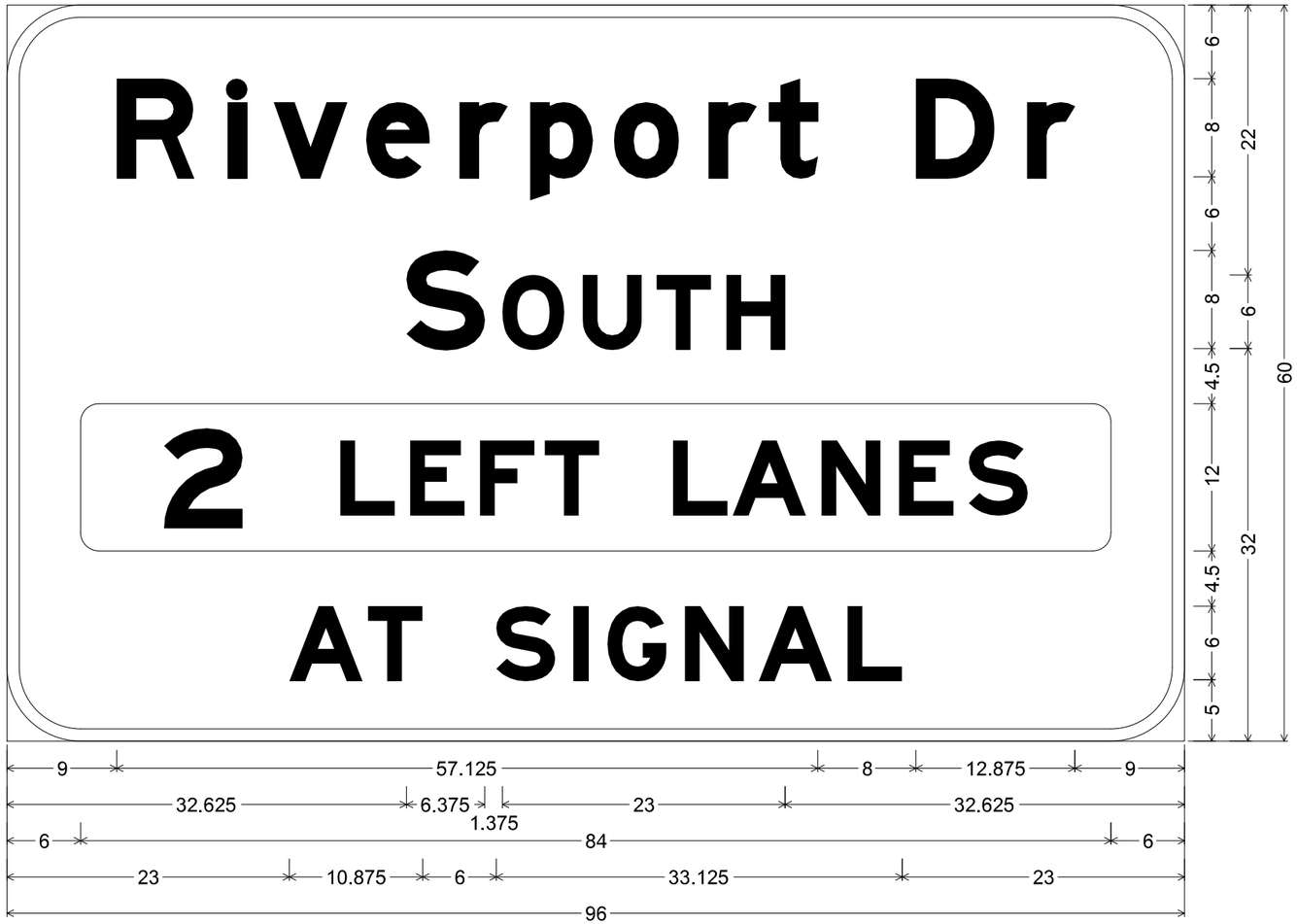
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	39

COUNTY: ST. LOUIS
JOB NO.: JSL0028
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)

SIGN DETAILS



SIGN NO.	63
STATION	356+80
ROADWAY	NB 141

D3-2 ST-STRUCTURAL;
6.000" Radius, 1.000" Border, White on, Green;
"Riverport Dr", E Mod; "SOUTH", E Mod; Rounded Rectangle 1.500" Radius Yellow;
"AT SIGNAL", E Mod;
Table of letter and object lefts

R 9.000	**i** 18.000	**v** 21.750	**e** 29.250	**r** 36.875	**p** 42.625	**o** 49.500	**r** 57.250	**t** 62.125	**D** 74.125	**r** 83.125

S 32.625	**O** 40.375	**U** 47.000	**T** 53.000	**H** 58.625

6.000

A 23.000	**T** 29.375	**S** 39.875	**I** 46.250	**G** 49.000	**N** 55.250	**A** 61.250	**L** 68.500

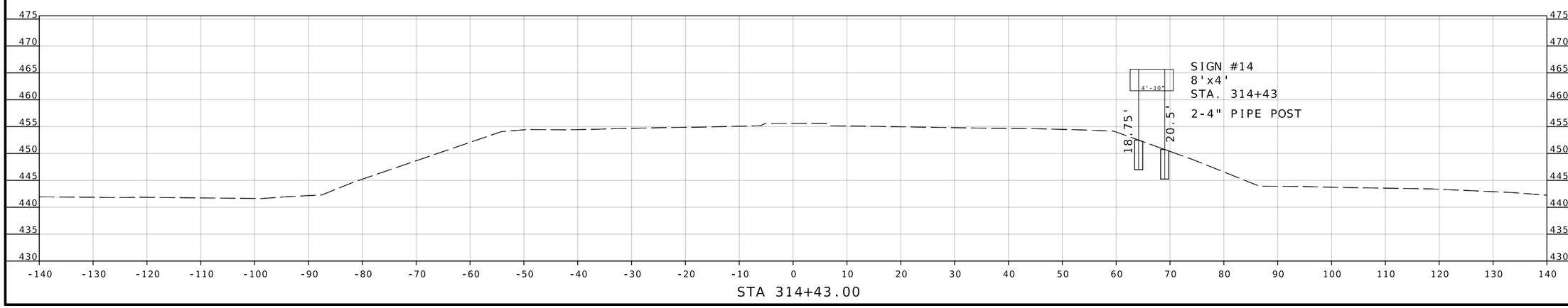
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:26:36 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/17/2024
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 40
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

SIGN DETAILS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:26:47 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

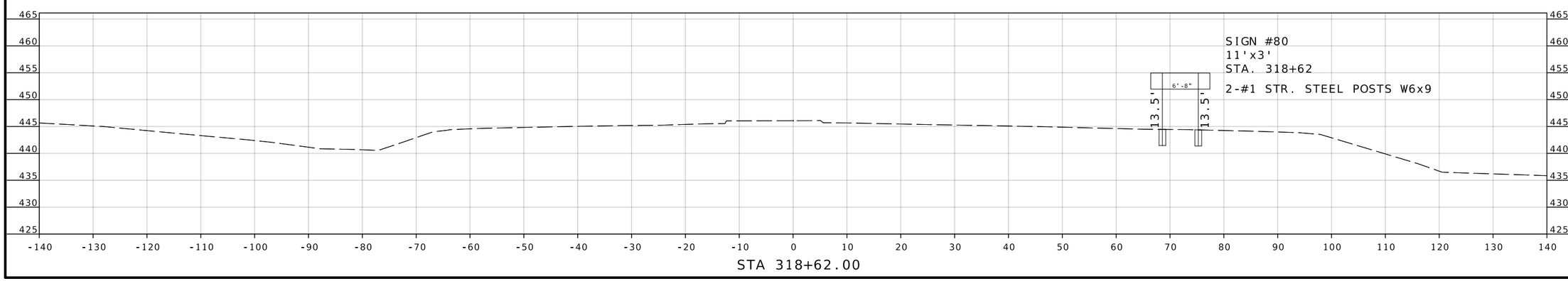
DATE PREPARED	
7/17/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	41
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGN SECTIONS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:27:01 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

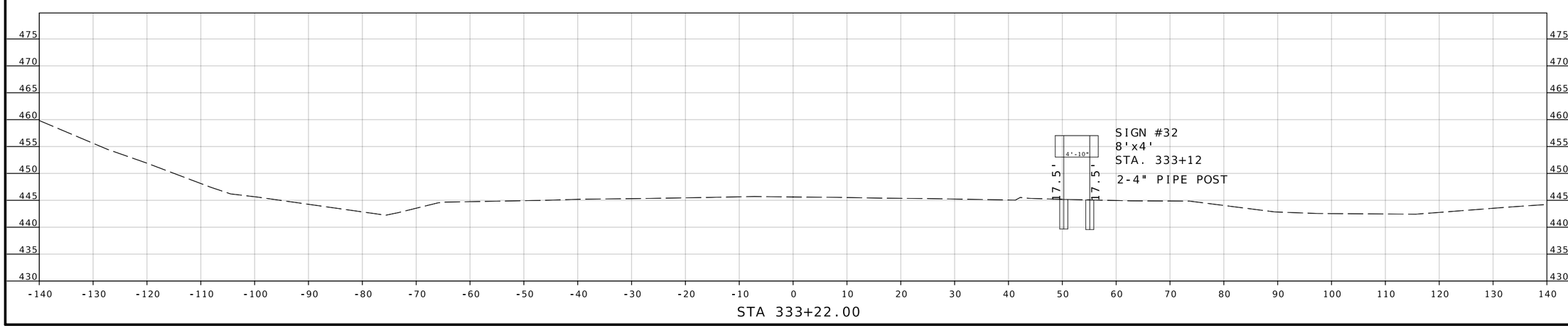
DATE PREPARED	
7/17/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	42
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGN SECTIONS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:27:21 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

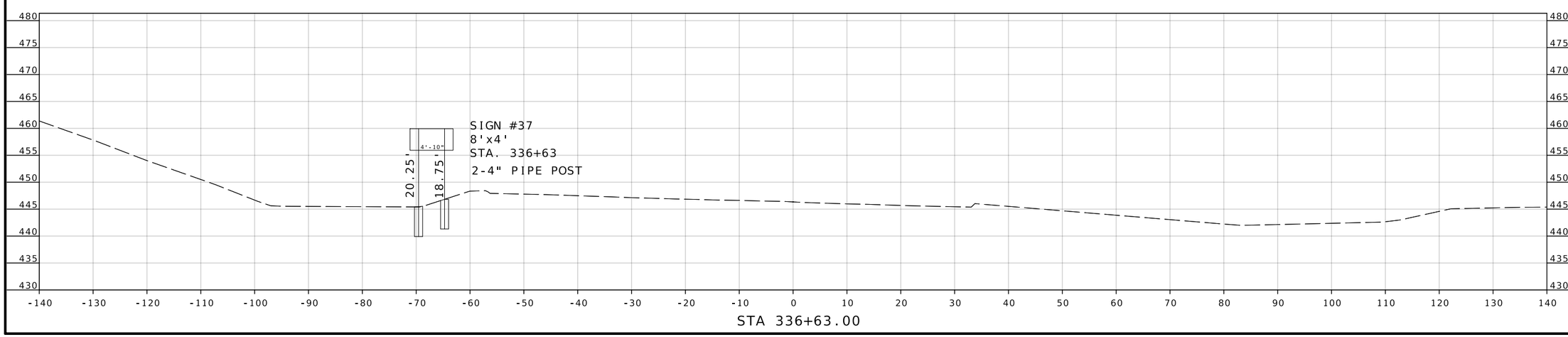
DATE PREPARED	
7/17/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	43
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGN SECTIONS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:27:35 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

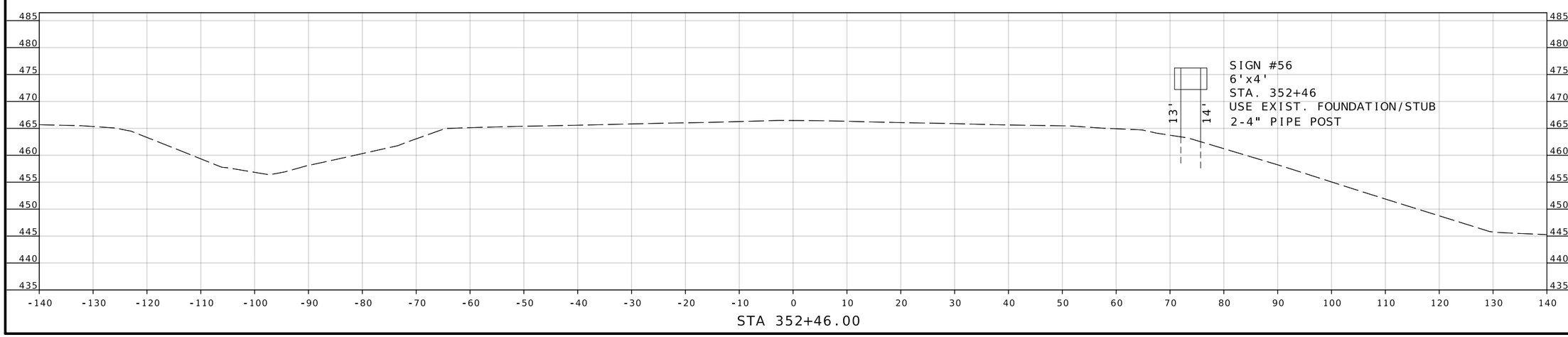
DATE PREPARED	
7/17/2024	
ROUTE: 141	STATE: MO
DISTRICT: SL	SHEET NO.: 44
COUNTY: ST. LOUIS	
JOB NO.: JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGN SECTIONS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:27:46 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

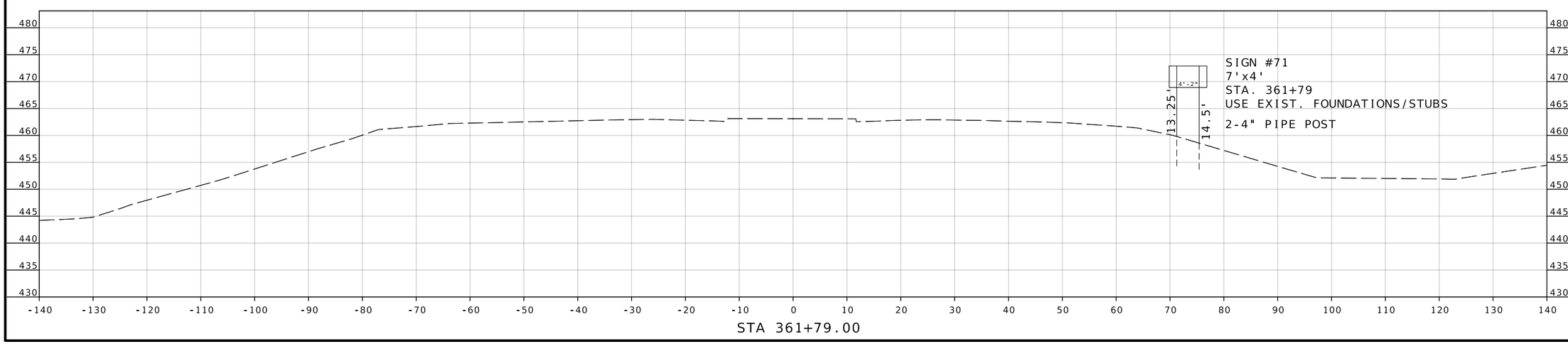
DATE PREPARED	
7/17/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	45
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGN SECTIONS



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:28:03 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	46
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

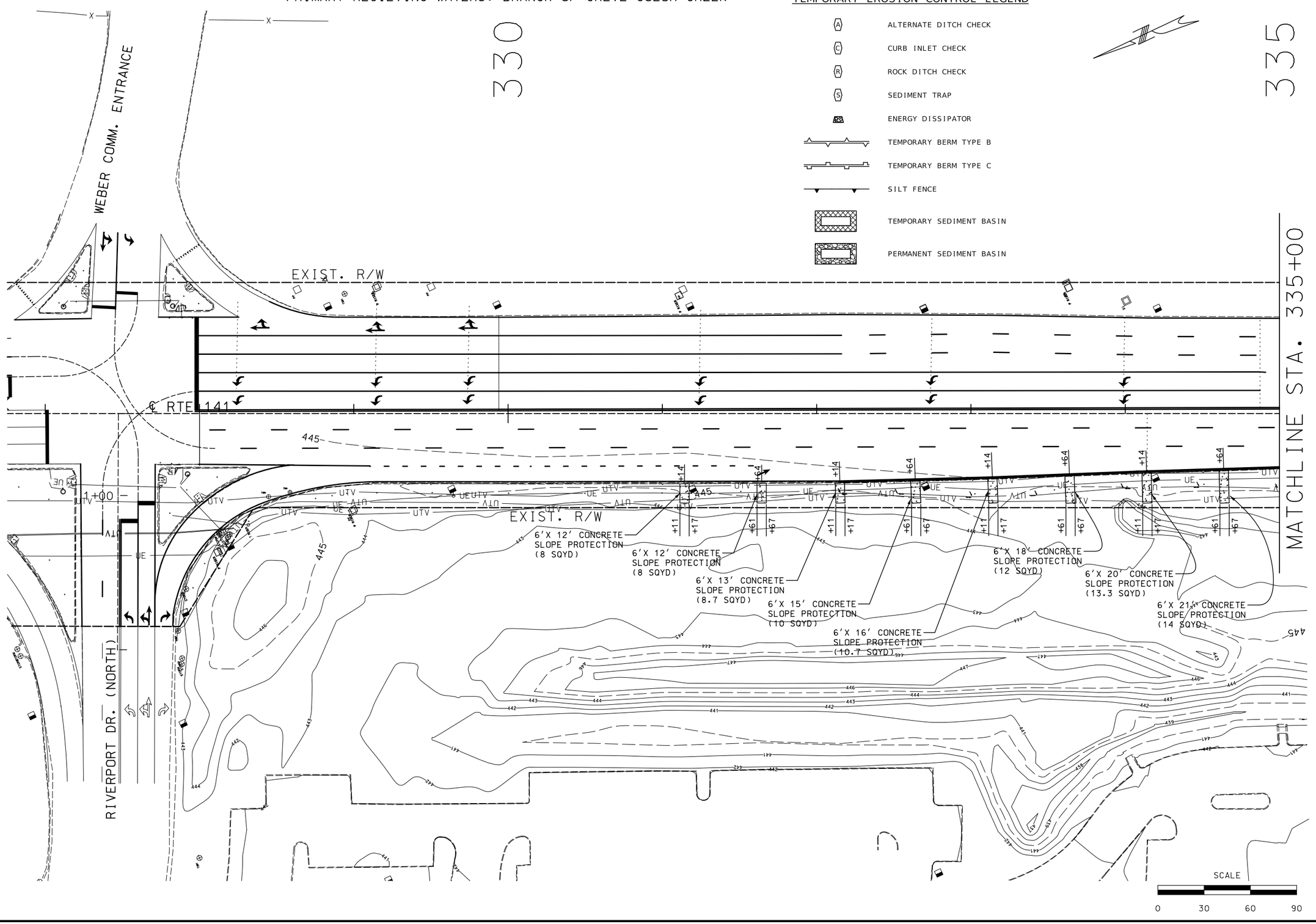
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGN SECTIONS

PRIMARY RECIEVING WATERS: BRANCH OF CREVE COEUR CREEK

TEMPORARY EROSION CONTROL LEGEND

- ALTERNATE DITCH CHECK
- CURB INLET CHECK
- ROCK DITCH CHECK
- SEDIMENT TRAP
- ENERGY DISSIPATOR
- TEMPORARY BERM TYPE B
- TEMPORARY BERM TYPE C
- SILT FENCE
- TEMPORARY SEDIMENT BASIN
- PERMANENT SEDIMENT BASIN



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:38:28 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	47
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

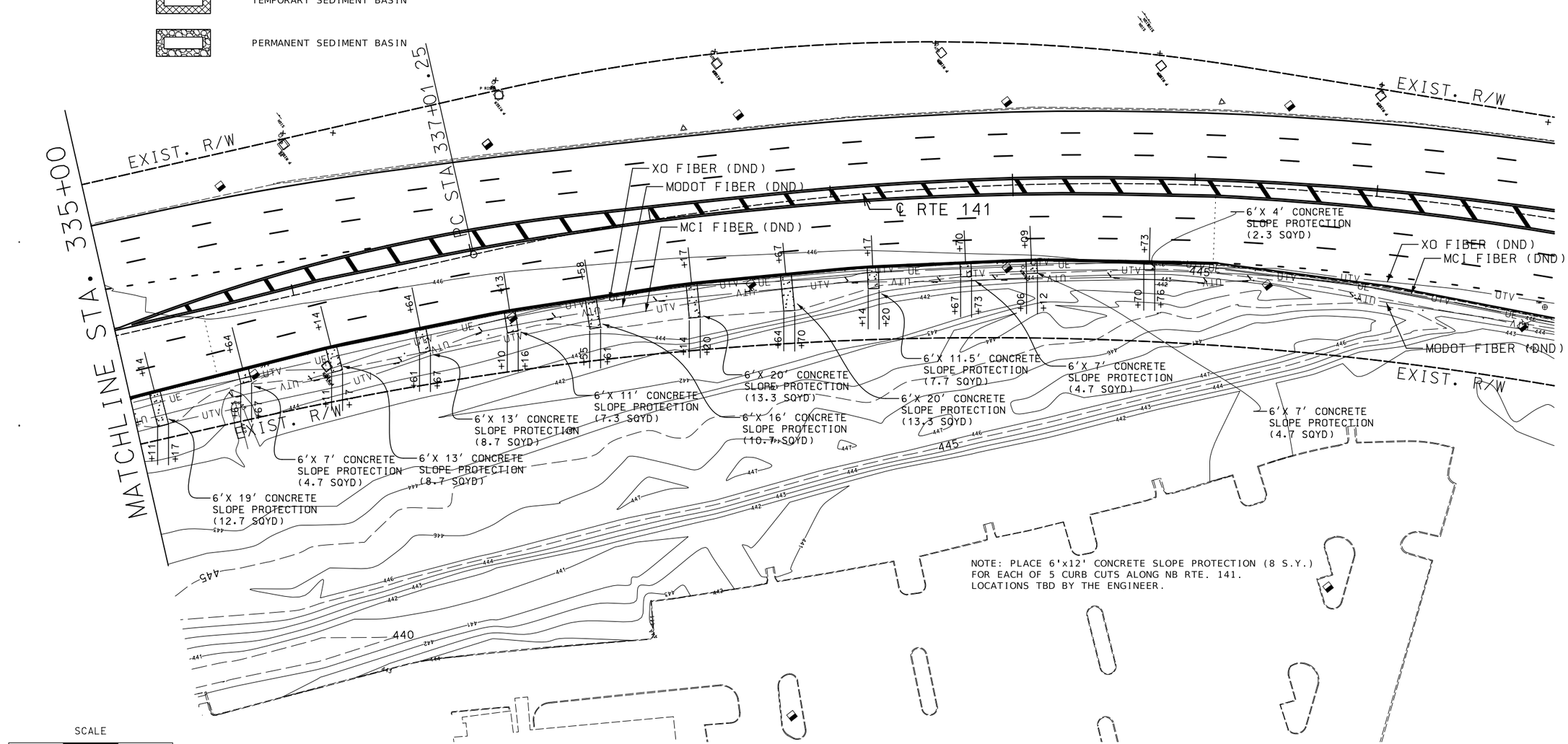
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EROSION CONTROL PLANS

TEMPORARY CONCRETE CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
- ENERGY DISSIPATOR
- TEMPORARY BERM TYPE B
- TEMPORARY BERM TYPE C
- SILT FENCE
- TEMPORARY SEDIMENT BASIN
- PERMANENT SEDIMENT BASIN



NOTE: PLACE 6'x12' CONCRETE SLOPE PROTECTION (8 S.Y.) FOR EACH OF 7 CURB CUTS ALONG NB RTE. 141. LOCATIONS TBD BY THE ENGINEER.

NOTE: PLACE 6'x12' CONCRETE SLOPE PROTECTION (8 S.Y.) FOR EACH OF 5 CURB CUTS ALONG NB RTE. 141. LOCATIONS TBD BY THE ENGINEER.

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER

07/23/2024 5:38:15 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/17/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	48
COUNTY	ST. LOUIS
JOB NO.	JSL0028
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

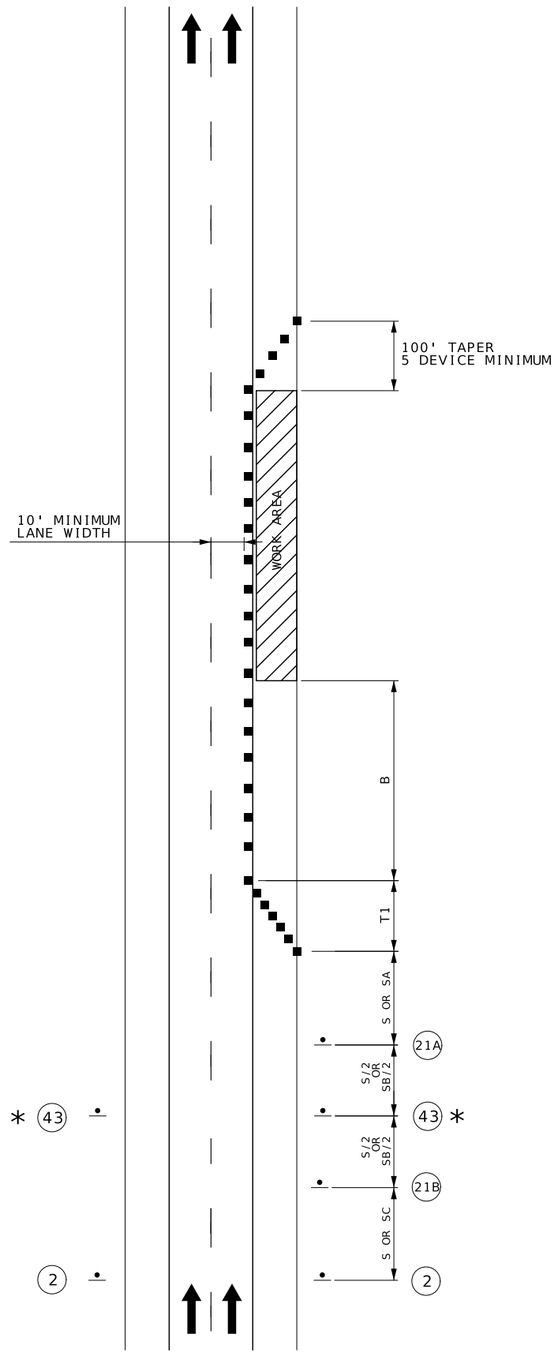
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EROSION CONTROL PLANS

Sign Spacing, Device Spacing and Channelizing Taper Lengths

NOT TO SCALE



SHOULDER WORK

(DIVIDED HIGHWAY)

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

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

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

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

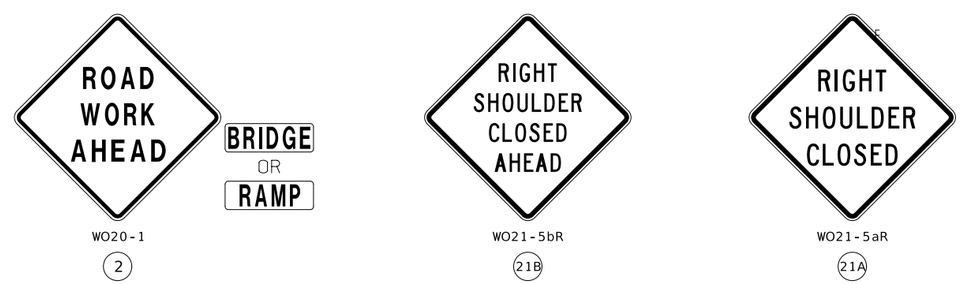
S = POSTED SPEED IN MPH

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



(PLAQUE NOT USED IF LESS THAN ONE MILE.)

43 * OMIT SIGN 43 FOR NO TRAVELWAY ENCROACHMENT.

TRAFFIC CONTROL DEVICES

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.
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
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- TMA TRUCK MOUNTED ATTENUATOR W/ FLASHING ARROW

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:38:44 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 49
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

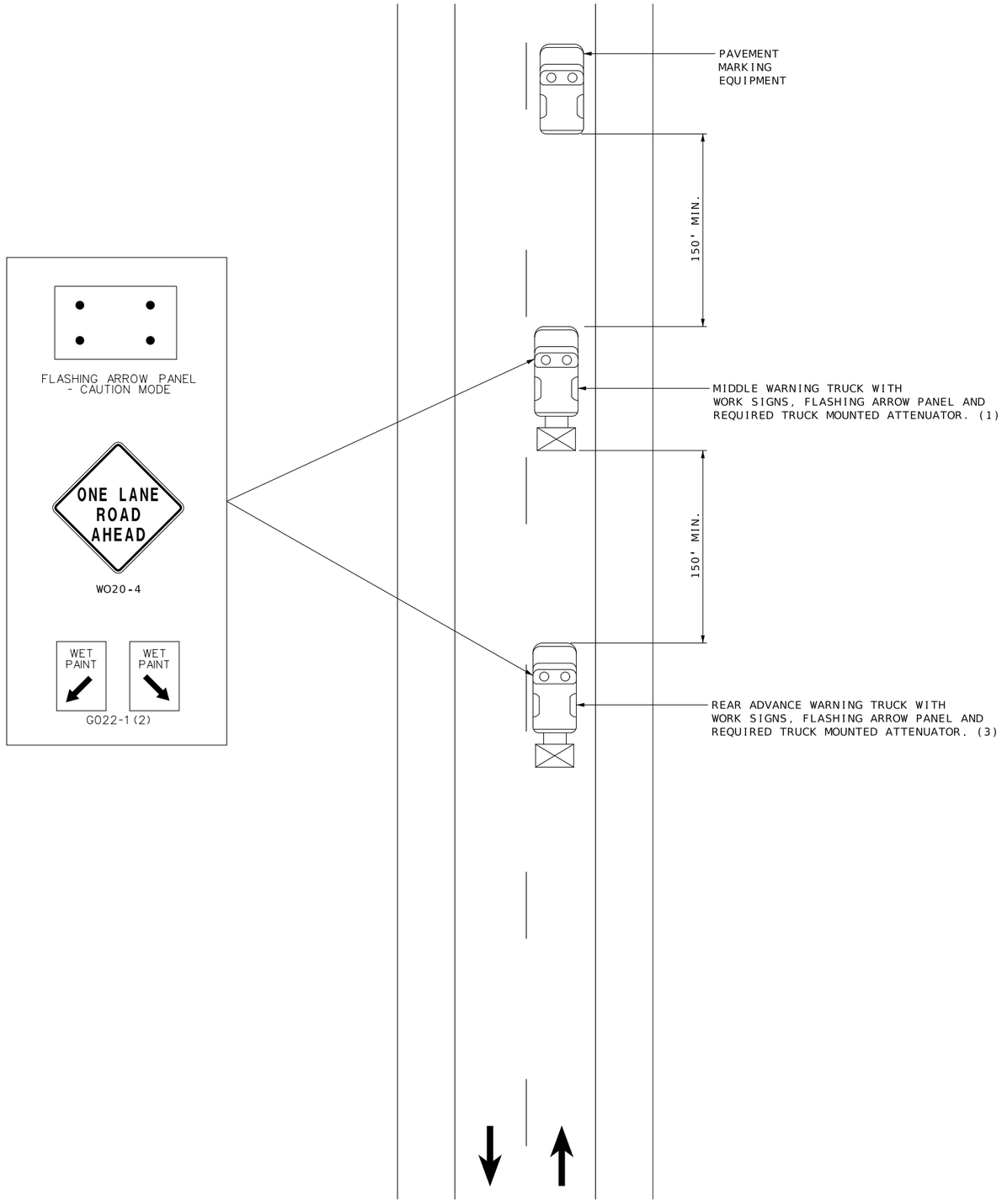
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TEMPORARY TRAFFIC CONTROL
SHOULDER CLOSURE

NOT TO SCALE



STRIPING ON TWO-LANE HIGHWAY

NOTES:

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

PROTECTIVE TRUCKS 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.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

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

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD ARE 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 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, WHICHEVER IS GREATER.

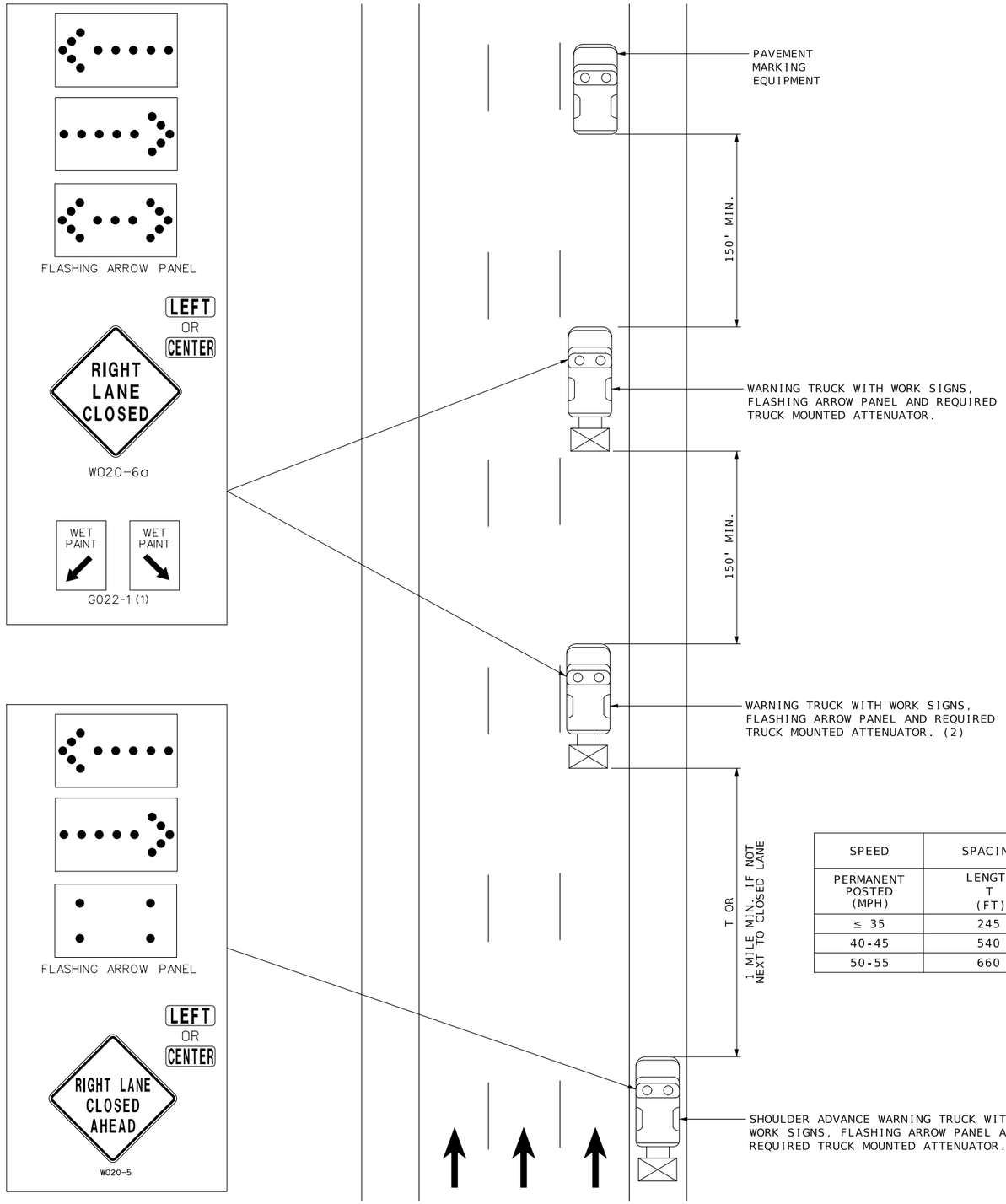
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:39:14 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	7/17/2024
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	50
COUNTY	ST. LOUIS
JOB NO.	JSL0028
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)

TEMPORARY TRAFFIC CONTROL
STRIPING ON TWO-LANE HIGHWAY



SPEED	SPACING
PERMANENT POSTED (MPH)	LENGTH T (FT)
≤ 35	245
40-45	540
50-55	660

STRIPING ON MULTI-LANE HIGHWAY

NOT TO SCALE

NOTES:

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

PROTECTIVE TRUCKS 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.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

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

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

(1) 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.

(2) WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR SPACING SHOWN, WHICH EVER IS GREATER.

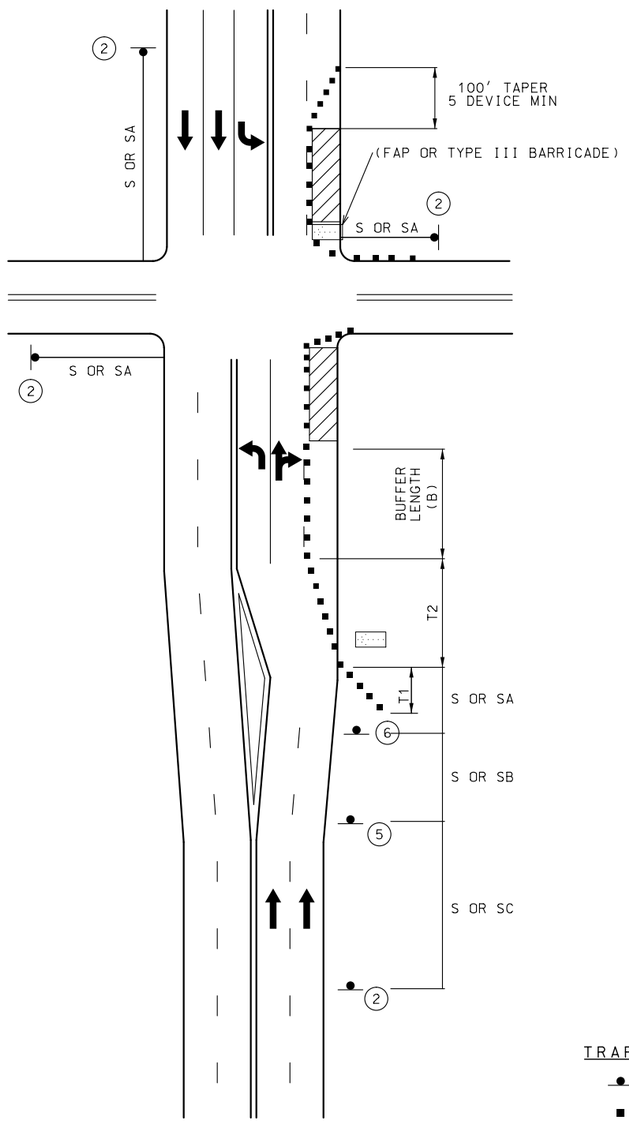
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:39:32 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 51
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

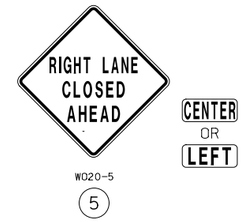
DESCRIPTION	DATE

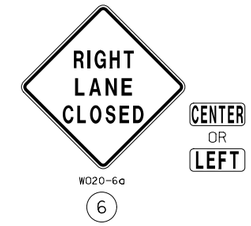
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
STRIPING ON MULTI-LANE HIGHWAY

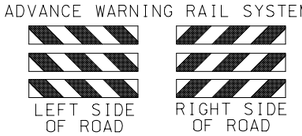


RIGHT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE





ADVANCE WARNING RAIL SYSTEM



NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

RIGHT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR HTE FULL SIGN SERIES.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

NOT TO SCALE

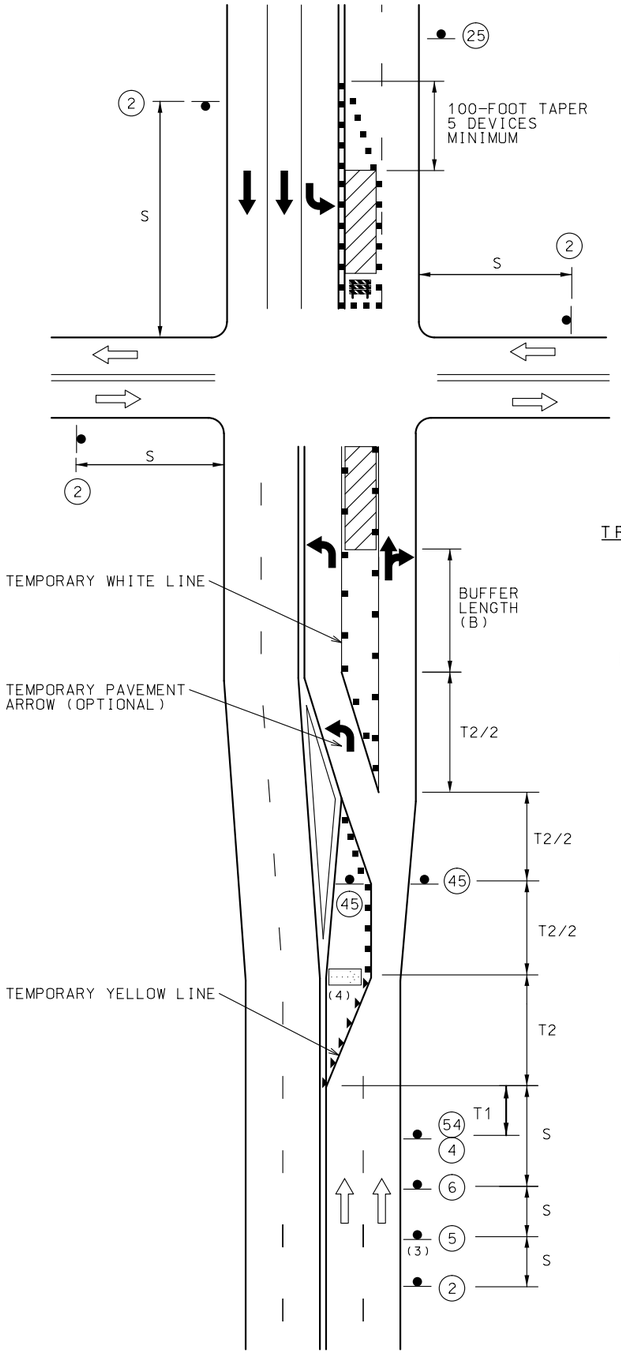
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:39:47 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 52
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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 PLANS
RIGHT LANE CLOSURE AT
INTERSECTION WORK ON
NEAR OR FAR SIDE

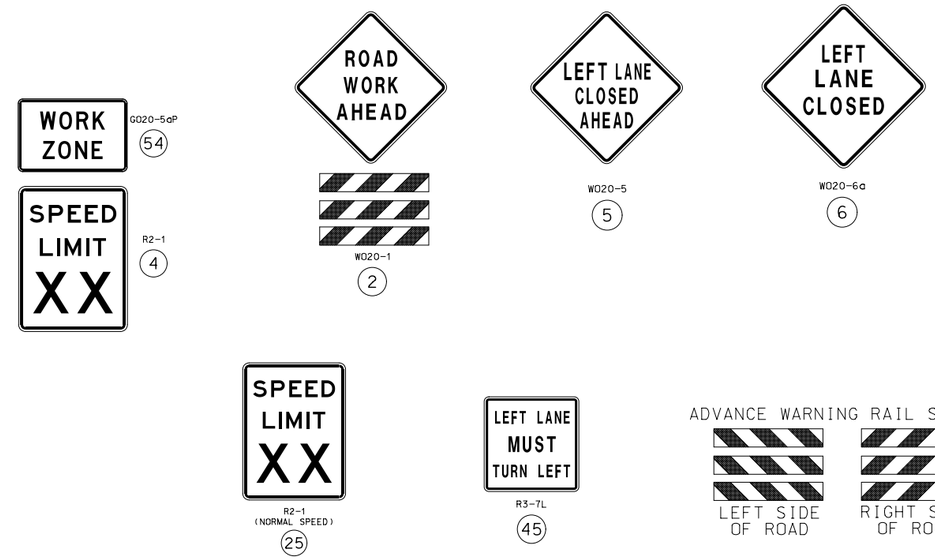


SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- DIRECTIONAL INDICATOR BARRICADES (DIBS)
- WORK AREA
- FLASHING ARROW PANEL
- TYPE 3 BARRICADE



NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING,TIMING, INDICATIONS OR DETECTOR SETTINGS.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

(3) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(4) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

LEFT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE

NOT TO SCALE

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
08/28/2024 8:42:20 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED: 8/28/2024
ROUTE: 141 | STATE: MO
DISTRICT: SL | SHEET NO.: 53
COUNTY: ST. LOUIS
JOB NO.: JSL0028
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

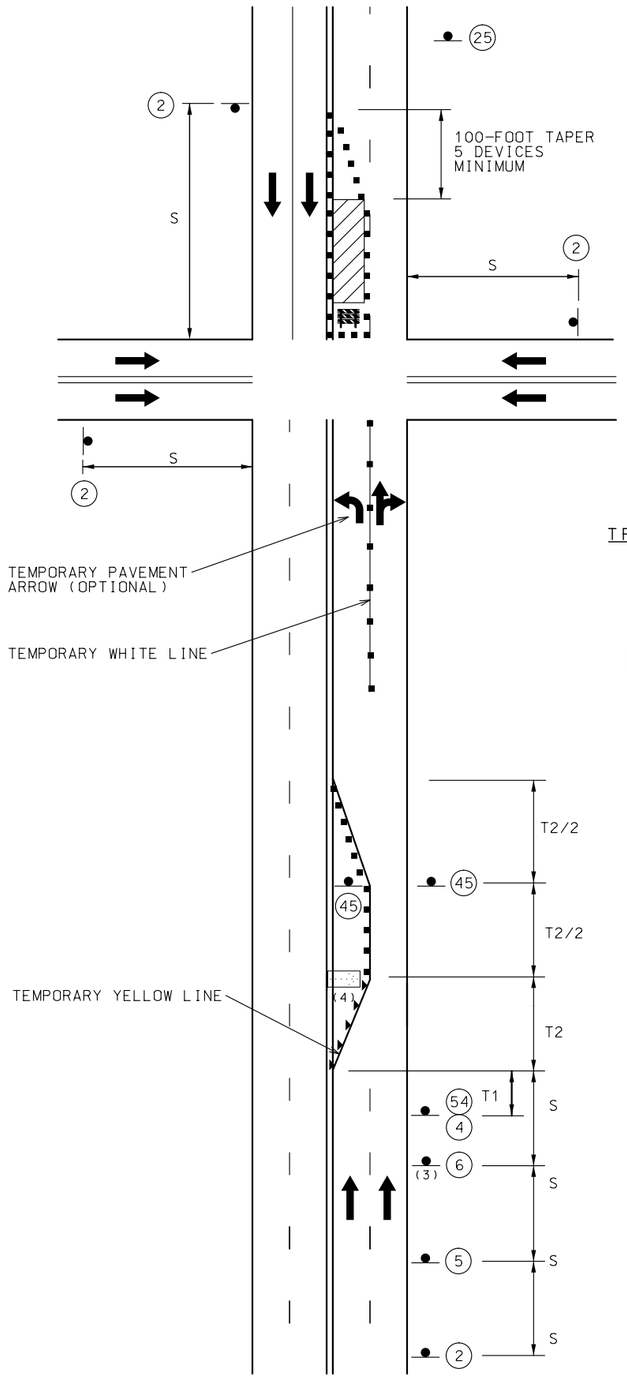
DESCRIPTION | DATE

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

TRAFFIC CONTROL PLANS
LEFT LANE CLOSURE AT
INTERSECTION - WORK ON
NEAR OR FAR SIDE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80

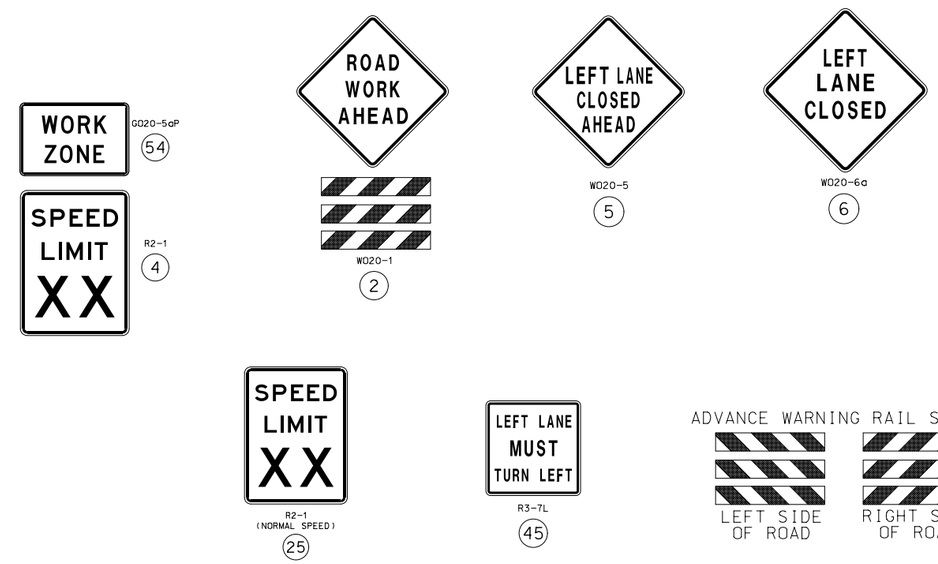
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.



LEFT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- DIRECTIONAL INDICATOR BARRICADES (DIBS)
- WORK AREA
- FLASHING ARROW PANEL
- TYPE 3 BARRICADE



NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING,TIMING, INDICATIONS OR DETECTOR SETTINGS.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

(3) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(4) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

NOT TO SCALE

STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:40:12 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED: 7/17/2024

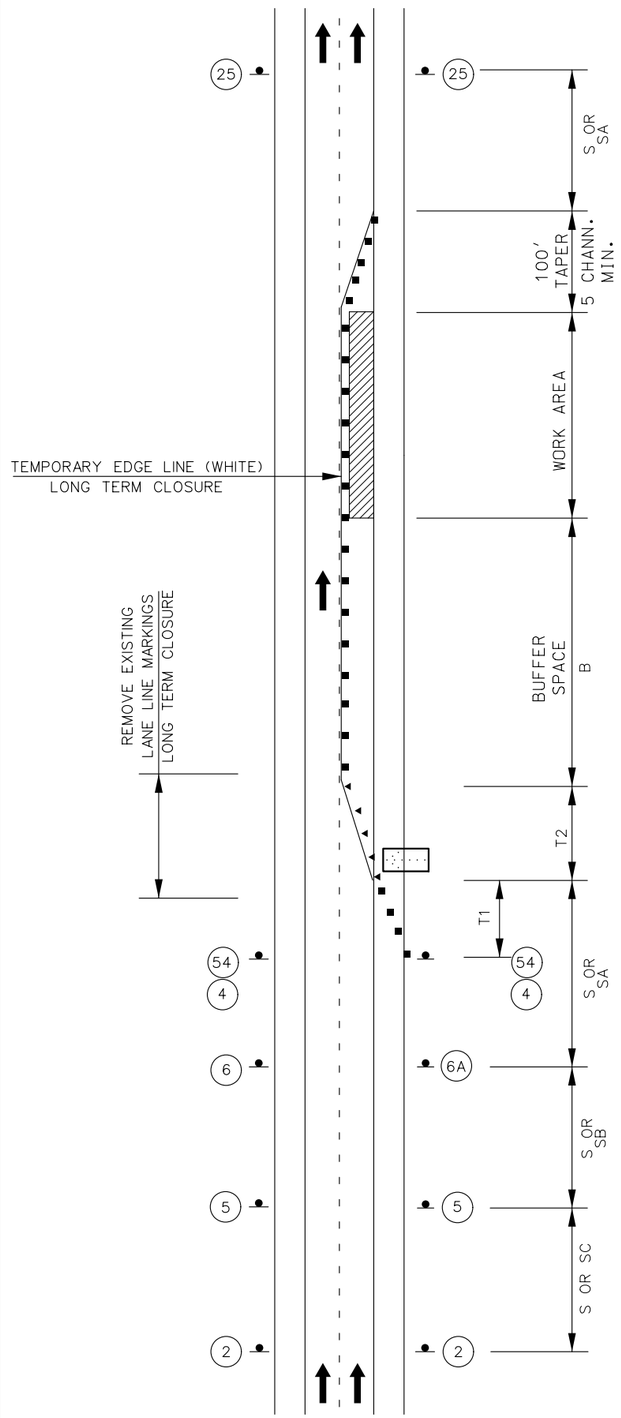
ROUTE	STATE
141	MO
DISTRICT	SHEET NO.
SL	54

COUNTY: ST. LOUIS
JOB NO.: JSL0028
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

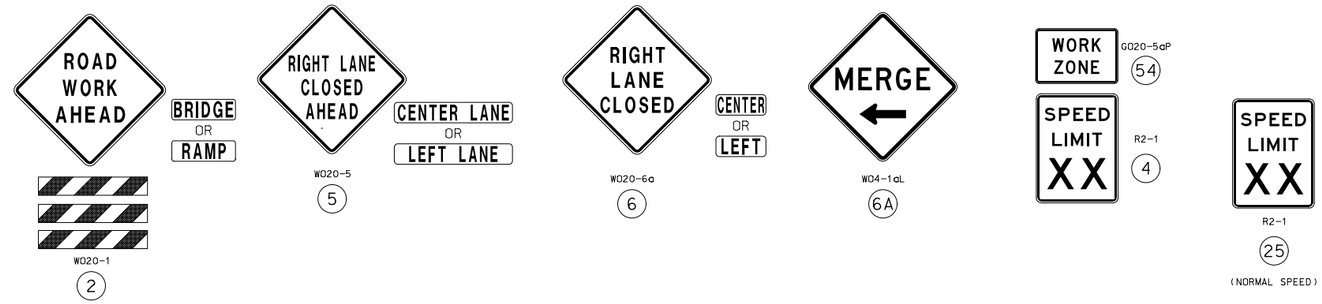
DATE	DESCRIPTION

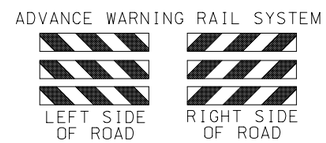
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL PLANS
LEFT LANE CLOSURE AT INTERSECTION WORK ON FAR SIDE



STATIONARY LANE CLOSURE
ON A DIVIDED HIGHWAY
NOT TO SCALE





NOTE: PLACE 2 SIGNS *57 PRIOR TO ROAD WORK AHEAD SIGNS. USE 500' SPACING.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL
- ADVANCE WARNING RAILS

NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGNS SHALL BE SUBSTITUTED.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE, ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

TEMPORARY TRAFFIC BARRIERS, IF USED, SHALL COMPLY WITH THE PROVISIONS IN EPG 616.6.85 TEMPORARY TRAFFIC BARRIER AND REVIEW EPG 616.8.34 LANE CLOSURE WITH A TEMPORARY TRAFFIC BARRIER

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

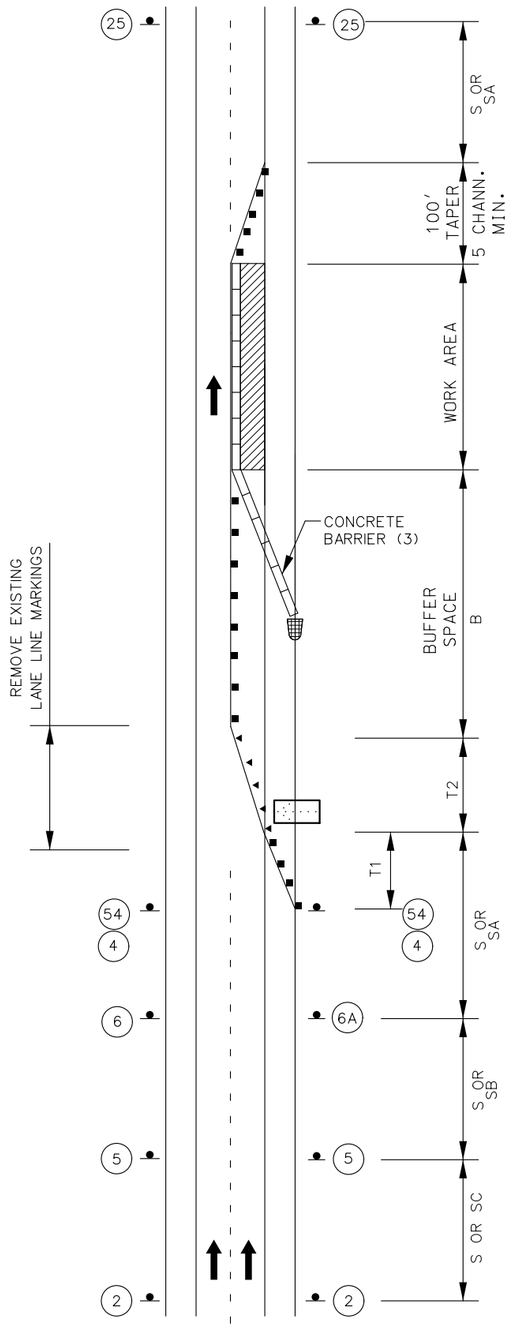
STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
08/28/2024 8:43:40 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 55
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

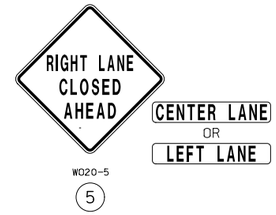
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

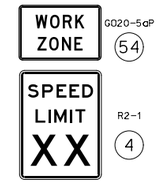
TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
ON A DIVIDED HIGHWAY



LANE CLOSURE WITH A TEMPORARY TRAFFIC BARRIER

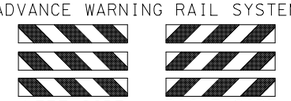
NOT TO SCALE





(NORMAL SPEED)

ADVANCE WARNING RAIL SYSTEM



LEFT SIDE OF ROAD — RIGHT SIDE OF ROAD

NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

TEMPORARY TRAFFIC BARRIERS, IF USED, SHALL COMPLY WITH THE PROVISIONS IN EPG 616.6.85 TEMPORARY TRAFFIC BARRIERS.

(3) FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT.

(3) CONCRETE BARRIER SHALL BE INSTALLED AT AN 15:1 FLARE RATE WITHIN THE TRAVEL LANES.

(3) CONCRETE BARRIER MAY BE INSTALLED AT AN 8:1 FLARE RATE FROM THE SHOULDER POINT TO THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER.

(3) APPROVED CRASH CUSHION ARE TO BE USED WHEN THE POSTED SPEED LIMIT PRIOR TO ROAD WORK IS GREATER THAN OR EQUAL TO 40 MPH.

(3) BARRIER HEIGHT TRANSITION MAY BE USED WHEN THE POSTED SPEED LIMIT PRIOR TO ROAD WORK IS LESS THAN 40 MPH.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TEMPORARY CONCRETE BARRIER
- END TREATMENT
- FLASHING ARROW PANEL
- ADVANCE WARNING RAILS

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 8:44:26 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

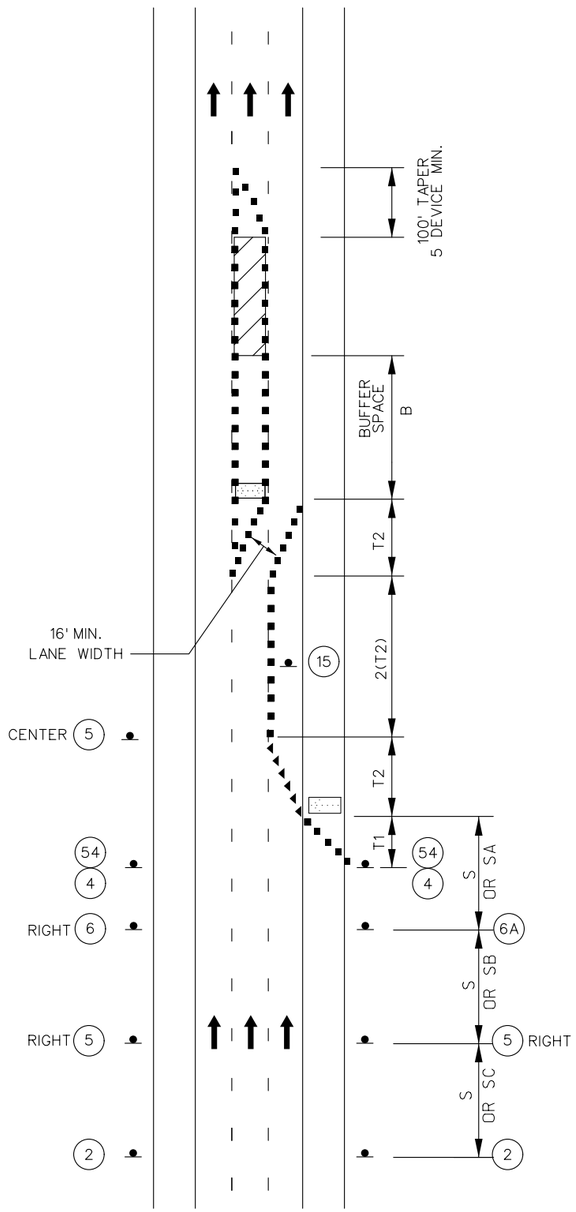
DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 56
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

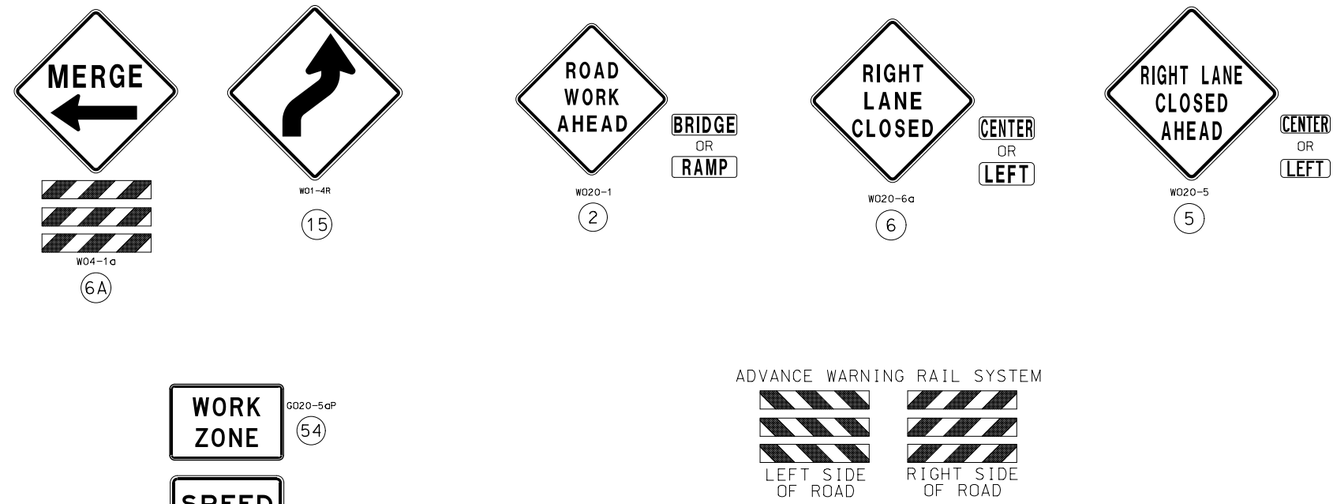
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
LANE CLOSURE WITH A
TEMPORARY TRAFFIC BARRIER



INTERIOR LANE CLOSURE
ON MULTI-LANE HIGHWAY

NOT TO SCALE



NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL
- TRUCK MOUNTED ATTENUATOR (TMA)

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER
Daniel Savageau
08/28/2024 8:45:02 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

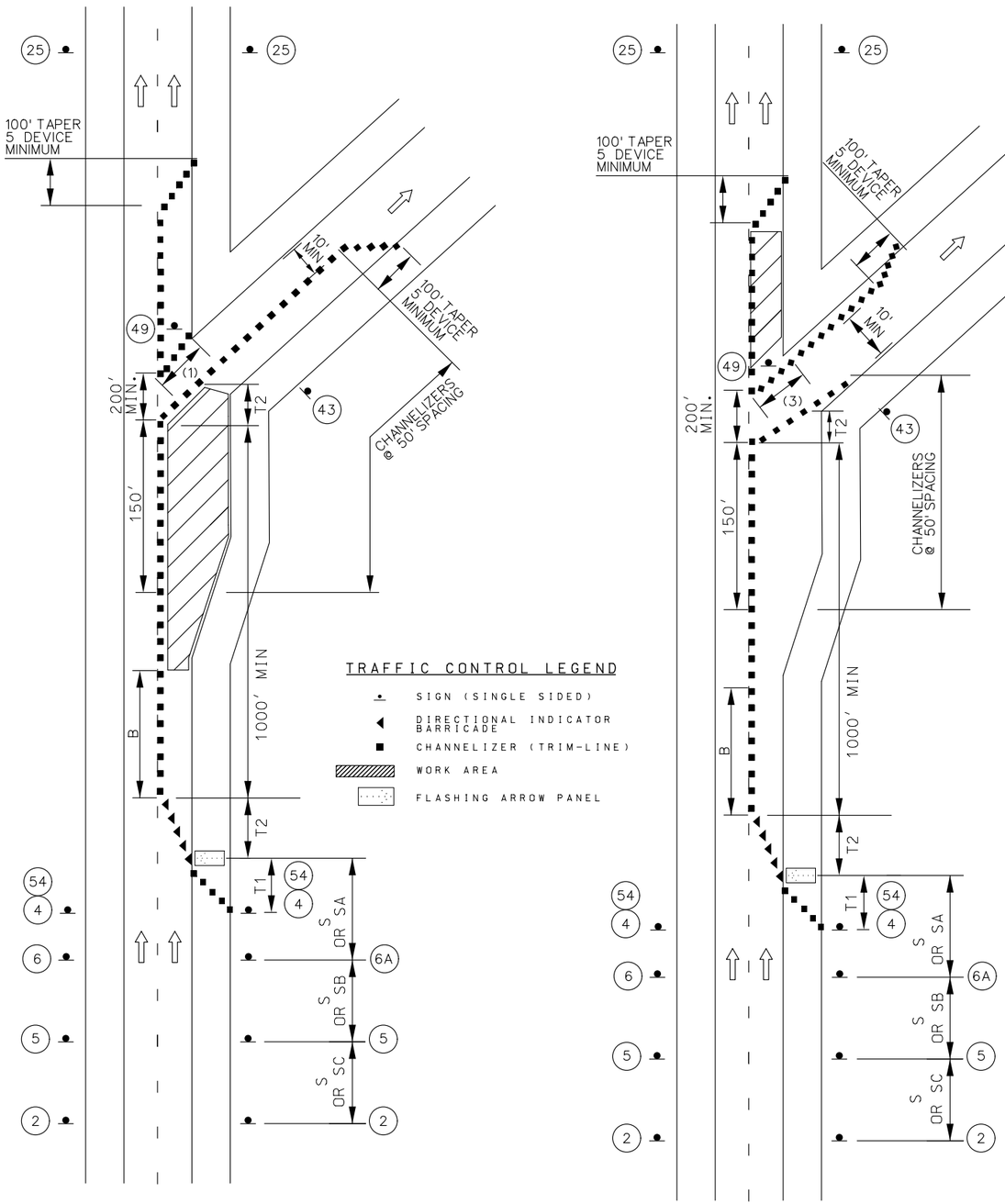
DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 57
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

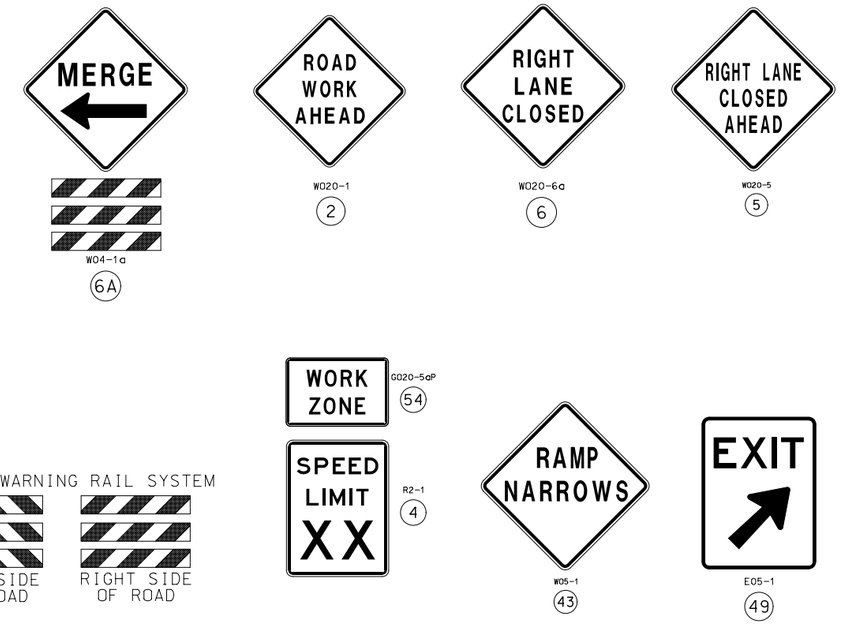
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
LANE CLOSURE
ON MULTI-LANE HIGHWAY

NOT TO SCALE



WORK IN THE VICINITY
OF AN EXIT RAMP



NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED

(3) 5 CHANNELIZER DEVICES MINIMUM

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

STATE OF MISSOURI
DANIEL WAYNE SAVAGEAU
NUMBER PE-2012018127
PROFESSIONAL ENGINEER

Daniel Savageau
08/28/2024 8:45:52 AM
DANIEL WAYNE SAVAGEAU - CIVIL
MO-PE-2012018127

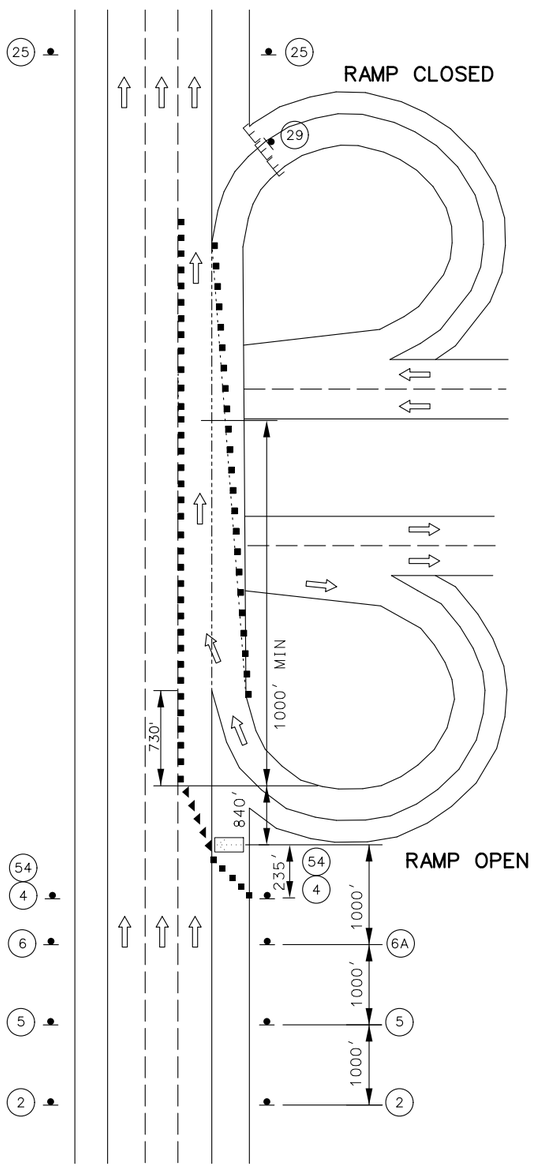
DATE PREPARED	
8/28/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 58
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

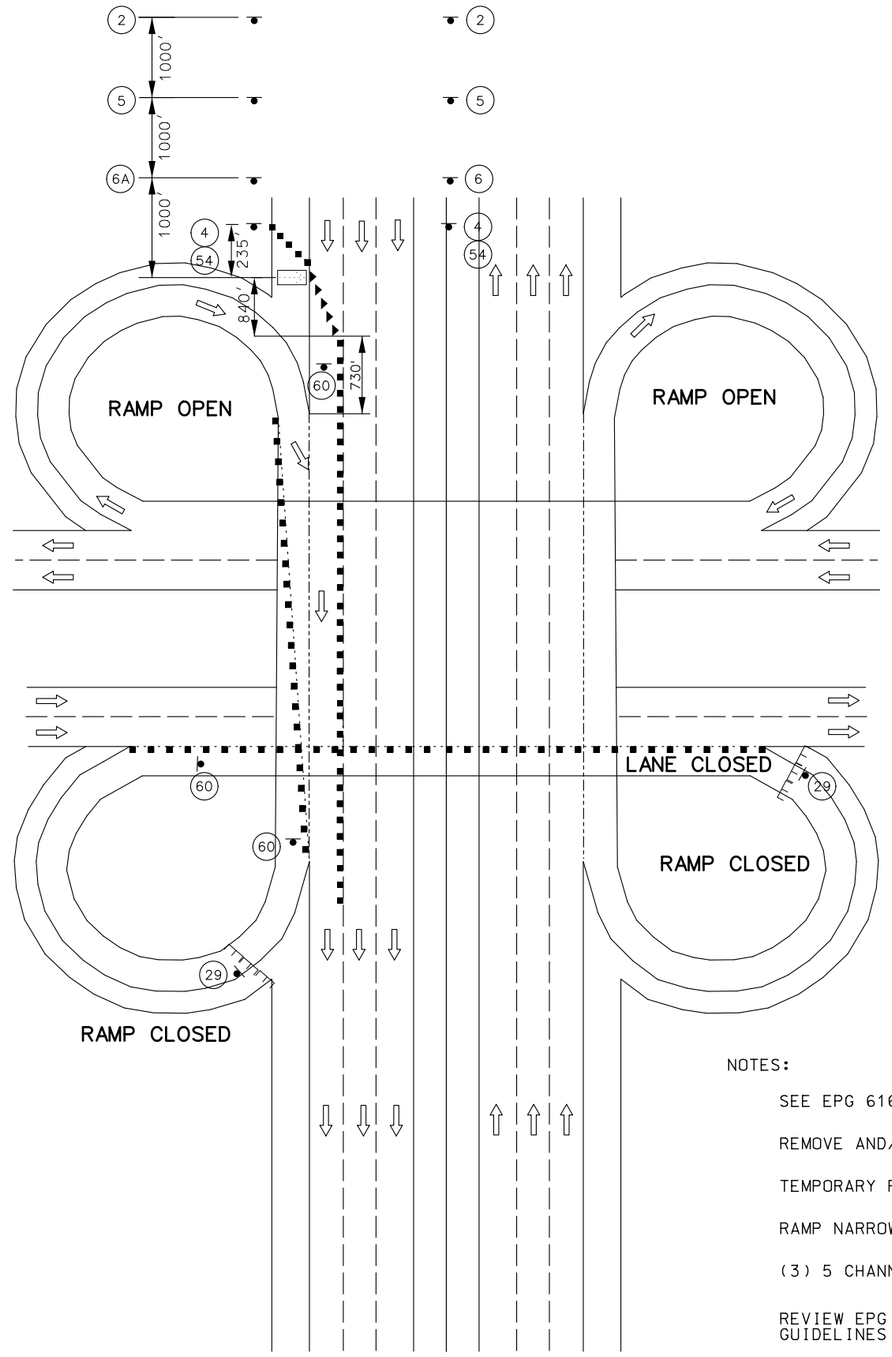
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
WORK IN THE VICINITY
OF AN EXIT RAMP

NOT TO SCALE



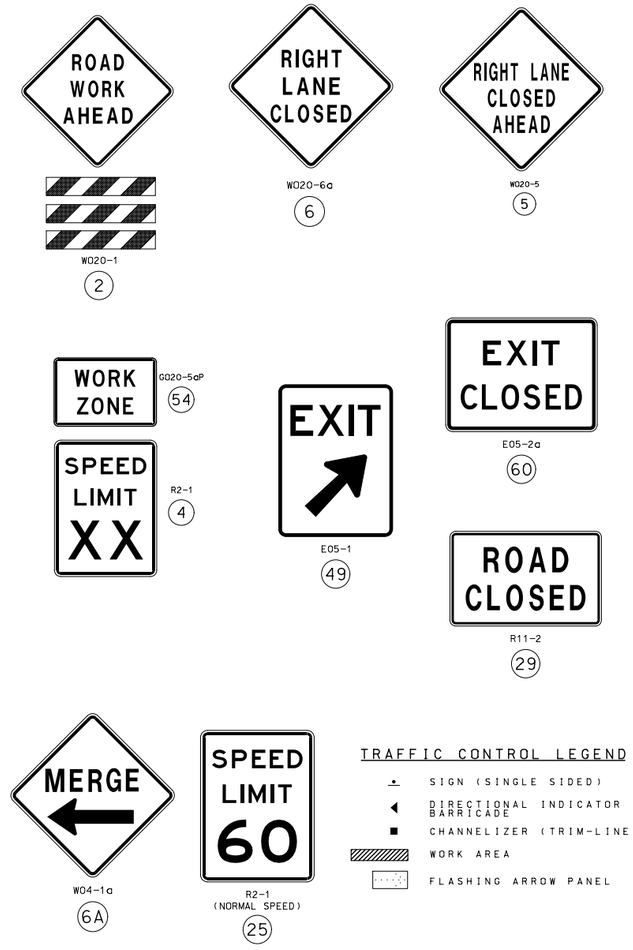
WORK IN THE VICINITY
OF A LOOP RAMP
1 RAMP CLOSED



WORK IN THE VICINITY
OF A LOOP RAMP
2 RAMPS CLOSED

ADVANCE WARNING RAIL SYSTEM

LEFT SIDE OF ROAD — RIGHT SIDE OF ROAD



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL

NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED

(3) 5 CHANNELIZER DEVICES MINIMUM

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

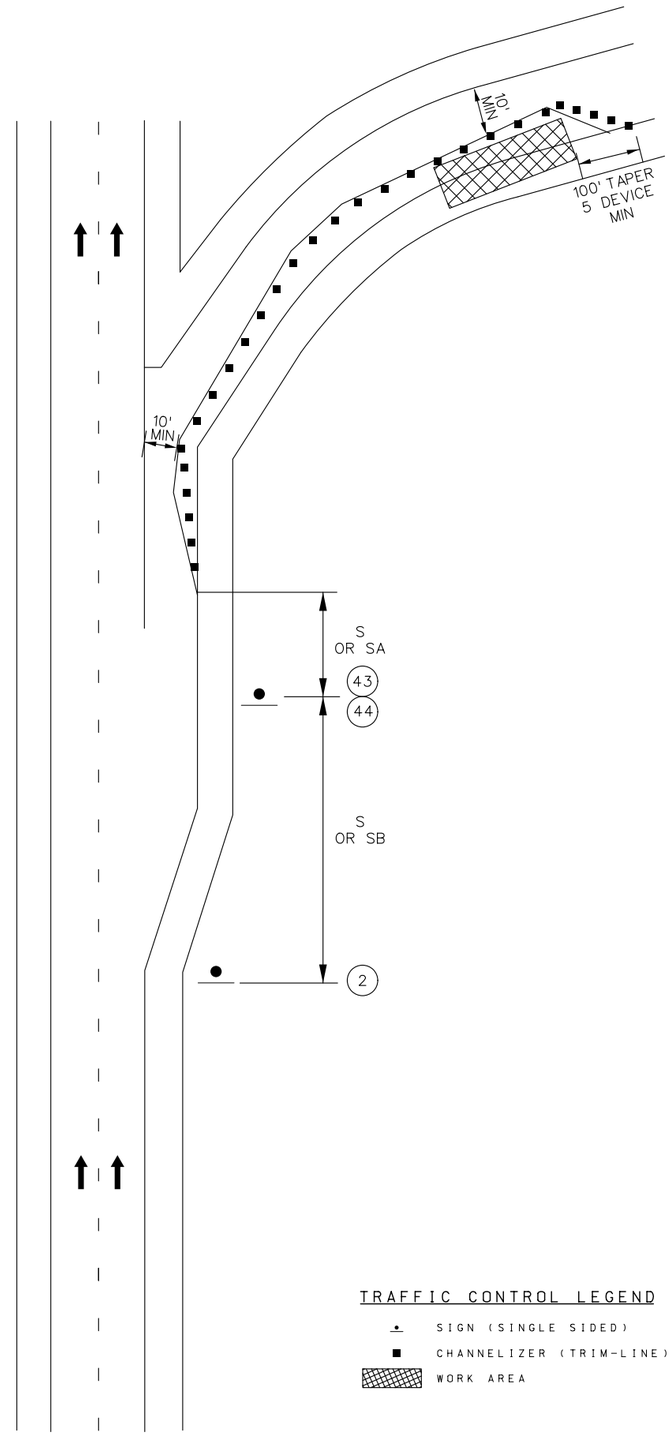
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:41:32 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 59
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

TEMPORARY TRAFFIC CONTROL
AT CLOVERLEAF INTERCHANGE



NOTES:

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED

IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCE WARNING RAIL SYSTEM.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA

NOT TO SCALE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

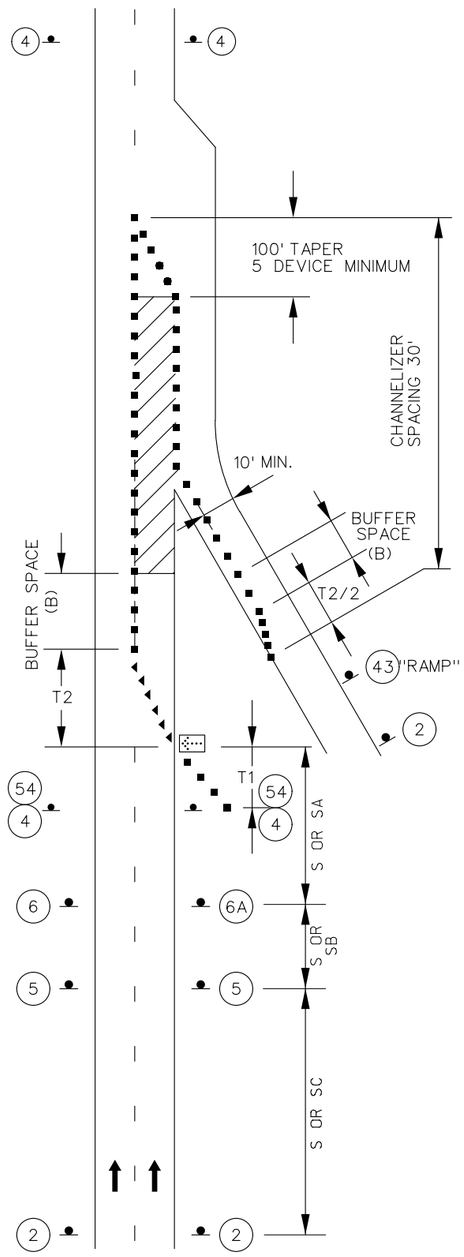
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:41:47 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

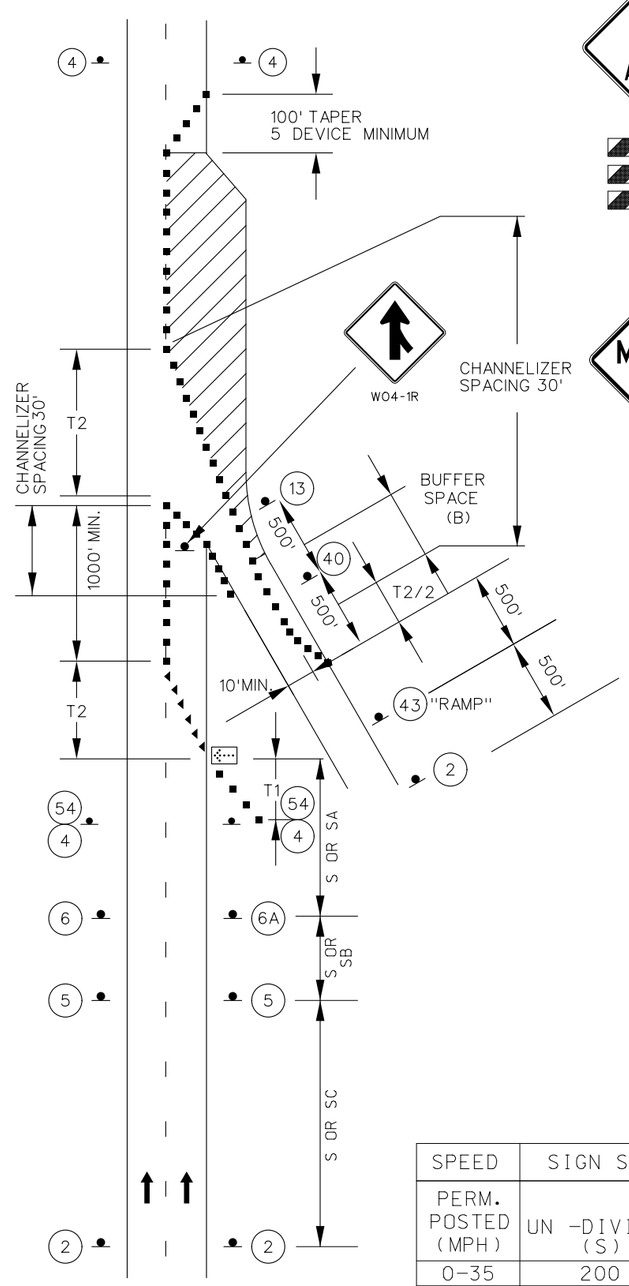
DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 60
COUNTY ST. LOUIS	
JOB NO. JSL0028	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

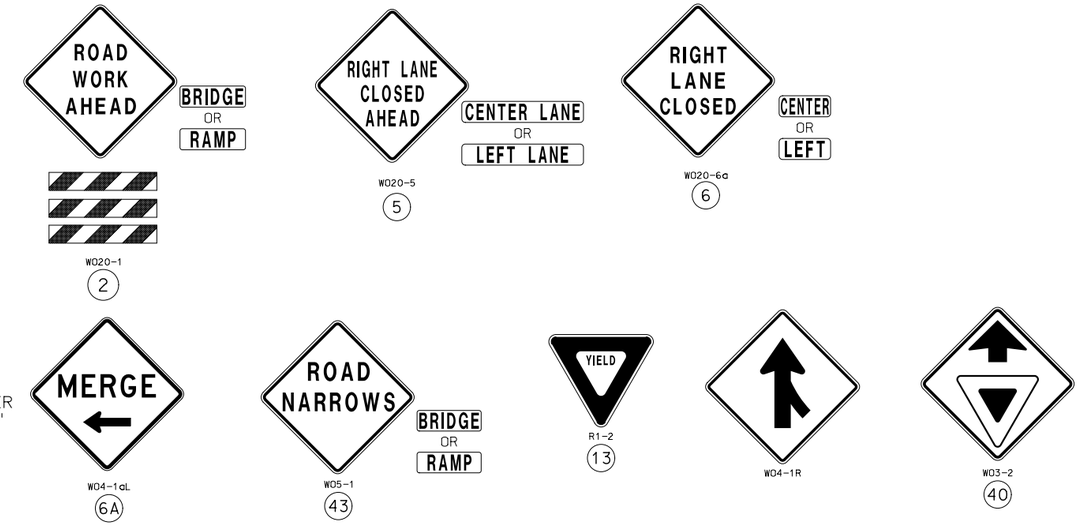
TRAFFIC CONTROL PLANS PARTIAL EXIT RAMP CLOSURE

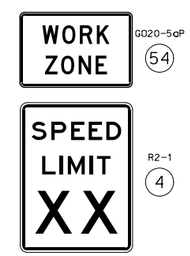




WORK IN THE VICINITY
OF AN ENTRANCE RAMP

NOT TO SCALE





NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE ON EACH SIDE OF THE APPROACH).

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

FOR RAMPS WITH SHARP CURVES OR MULTIPLE LANES, RAMP SIGNS MAY BE PLACED ON BOTH SIDES OF THE RAMP.

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

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL
- DIRECTIONAL INDICATOR BARRICADES

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

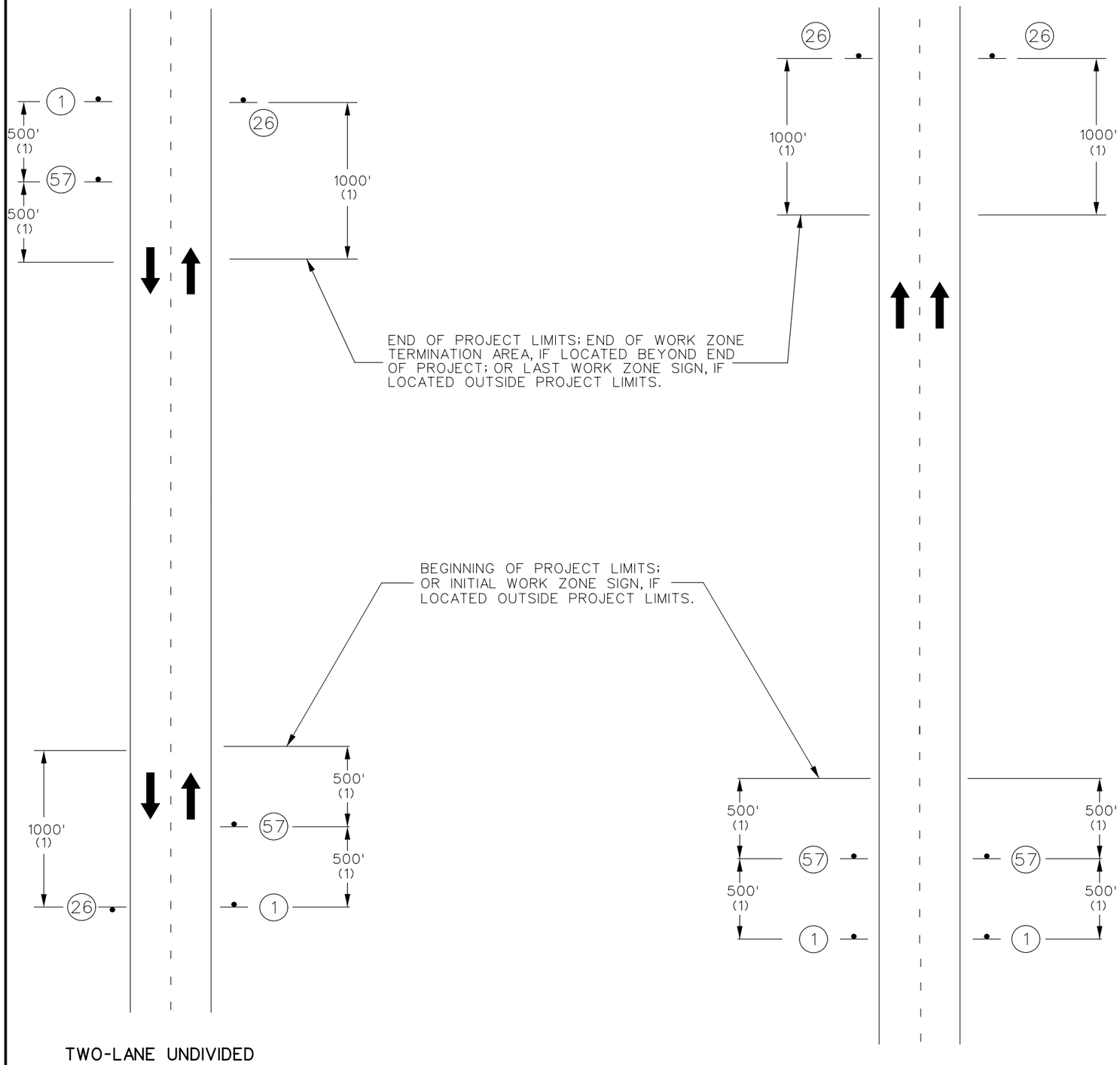
STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:42:00 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 61
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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)

TEMPORARY TRAFFIC CONTROL
WORK IN VICINITY OF
AN ENTRANCE RAMP



NOTES:
SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

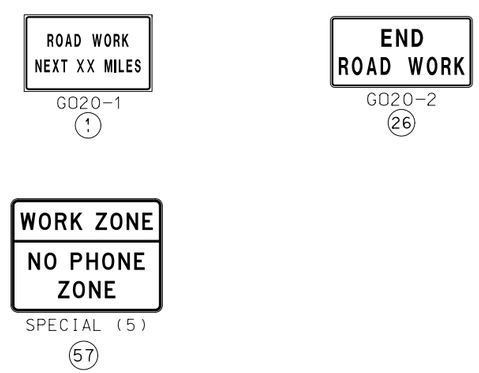
ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-72 OR CONST-7-48 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) CONST-5-96 OR CONST-5-48 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72 OR CONST-7-48.

(4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.



STATE OF MISSOURI
LISA LYNN KUNTZ
NUMBER PE-2004017202
PROFESSIONAL ENGINEER
07/23/2024 5:42:13 PM
LISA LYNN KUNTZ - CIVIL
MO-PE-2004017202

DATE PREPARED	
7/17/2024	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 62
COUNTY ST. LOUIS	
JOB NO. JSL0028	
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 PLANS
BEGIN/END OF PROJECT
SIGNING