

**DESIGN DESIGNATION**

A.A.D.T. - 2024 = 16,015  
 A.A.D.T. - 2044 = 23,000  
 D.H.V. = 10%  
 T = 20%  
 V = 55 M.P.H.  
 D = 49% EB, 51% WB

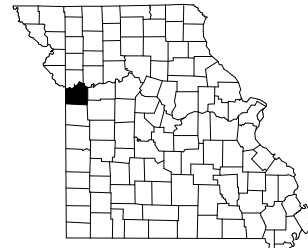
FUNCTIONAL CLASSIFICATION- OTHER FREEWAY AND EXPRESSWAY

NO R/W AQUISITION REQUIRED

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED STATE HIGHWAY

### JACKSON COUNTY

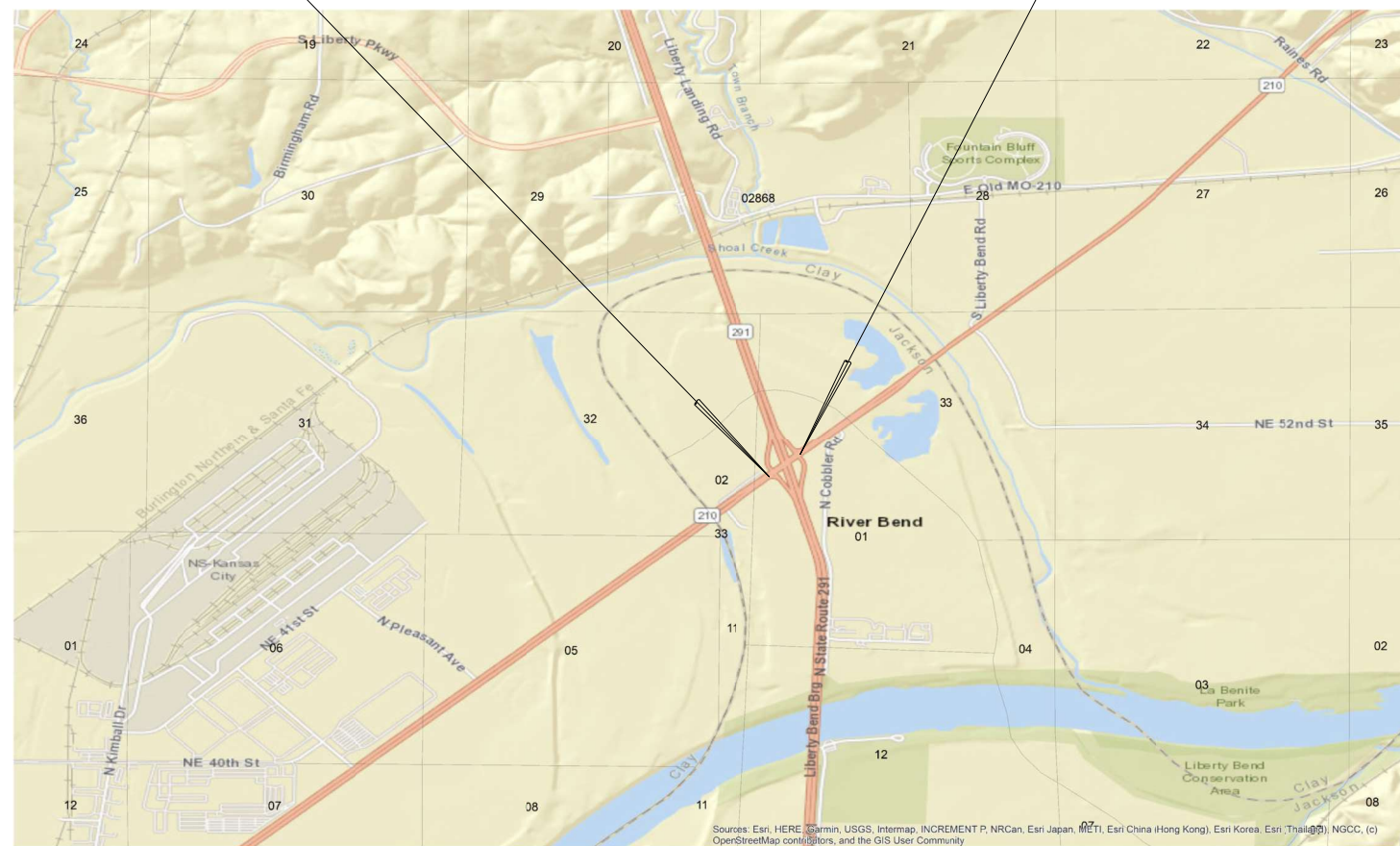


KEY MAP  
LOCATION OF JACKSON COUNTY

SIGNAL UPGRADES, ADD TURN LANE,  
PAVEMENT REPAIR

START STA  
506+85.84 EB

END STA  
519+92.08 EB



**CONVENTIONAL SYMBOLS**  
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

**NOT TO SCALE**

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.

**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
TITLE SHEET .....	1
TYPICAL SECTIONS (TS) .....	2
QUANTITIES (QU) (3 SHEETS).....	3
PLAN-PROFILE (PP).....	4
REFERENCE POINTS (RP).....	5
COORDINATE POINTS (CP).....	6
SPECIAL SHEETS (SS).....	7-9
TRAFFIC CONTROL SHEETS (TC).....	10-14
EROSION CONTROL SHEETS (EC).....	15
SIGNALS (SG).....	16-22
PAVEMENT MARKING (PM).....	23
CROSS SECTIONS (XS).....	1-4

**LENGTH OF PROJECT**

BEGINNING OF PROJECT	STA.506+85.84 EB
END OF PROJECT	STA.519+92.08 EB

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	1306.24 FEET
STATE LENGTH	0.247 MI
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.8 ACRES



DATE PREPARED  
1/27/2025

ROUTE 210 STATE MO  
DISTRICT KC SHEET NO. 01

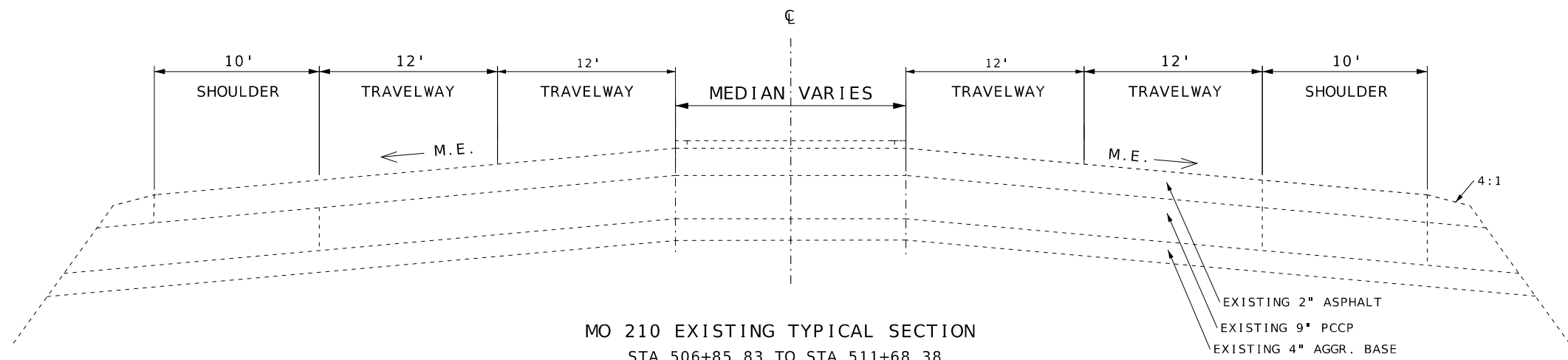
COUNTY JACKSON  
JOB NO. JKU0132  
CONTRACT ID.

PROJECT NO.  
BRIDGE NO.

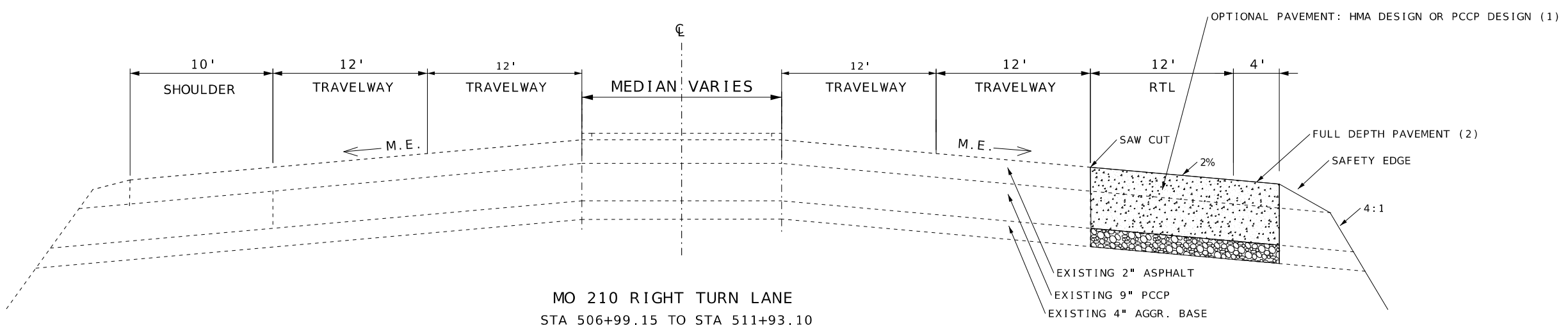
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



MO 210 EXISTING TYPICAL SECTION  
STA 506+85.83 TO STA 511+68.38



MO 210 RIGHT TURN LANE  
STA 506+99.15 TO STA 511+93.10

**OPTIONAL PAVEMENT\***  
**HMA DESIGN**  
 12" HMA  
 2" SP125C w/PG 70-22  
 2" SP125C w/PG 70-22  
 OVER 8" SP125C w/PG 64-22  
**SHOULDERS**  
 FULL DEPTH AS PART OF THE TRAVELWAY  
 BASE  
 6" TYPE 5 AGGREGATE BASE

**PCCP DESIGN**  
 9.5" JPCP WIDENED SLAB  
 15 FT JOINT SPACING, 1 1/4" DOWLS  
**SHOULDERS**  
 FULL DEPTH AS PART OF THE TRAVELWAY  
 BASE  
 6" TYPE 5 AGGREGATE BASE

- (1) OPTIONAL PAVEMENT\*
- (2) EXTEND TRAVELWAY FULL DEPTH PAVEMENT TO THE SHOULDER.
- (3) MATCH EXISTING SLOPE = M.E.

THANKAM MATHEW  
NUMBER PE-2014000056  
PROFESSIONAL ENGINEER

01/27/2025 12:14 PM  
THANKAM MATHEW - CIVIL  
MO-PE-2014000056

DATE PREPARED 1/27/2025	
ROUTE 210	STATE MO
DISTRICT KC	SHEET NO. 02
COUNTY JACKSON	
JOB NO. JKU0132	
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)

RIGHT TURN LANE PAVEMENT - MO 210						
START START	END STA	LENGTH FT	LANE WIDTH FT	OPTIONAL PAVEMENT SY	6 IN TYPE 5 AGG BASE SY	NOTES
506+99.15	508+65.94	166.79	12	111.19	111.19	RIGHT TURN LANE TAPER, INCLUDES SHOULDER
508+65.79	512+46.27	380.48	12	507.31	507.31	RIGHT TURN LANE, INCLUDES SHOULDER
		TOTAL		618.50	619.00	

SUBGRADE COMPACTION (6 INCH DEPTH)					
STA START	STA END	LENGTH FT	WIDTH FT	SUBGRADE COMPACTION SY	
506+99.15	508+65.94	166.79	10	185.32	
508+65.94	511+93.10	327.16	10	363.51	
			TOTAL	549.00	

FULL DEPTH PAVEMENT REPAIR								
STA START	STA END	FURNISHING AND PLACING CONC. MATERIAL FOR FULL DEPTH PVM'T REPAIR SY	SUBGRADE COMPACTION 6 INCH DEPTH SY	TYPE 5 AGG. FOR PVM'T REPAIR SY	FULL DEPTH PVM'T REPAIR SAW CUTS LF	DOWEL BAR EA	DOWEL BAR WITH BASKETS EA	TIE BARS EA
506+99.15	511+93.10	60	6	6	300	40	20	25
		TOTAL	60	6	300	40	20	25

\*FULL DEPTH PAVEMENT REPAIR VARIOUS LOCATIONS

PARTIAL DEPTH PAVEMENT REPAIR			
STA START	STA END	REMOVAL FOR CLASS C SY	FURN./PLACING BIT. MATL. TON
506+99.15	511+93.10	60	7.0
		TOTAL	60

\*PARTIAL DEPTH PAVEMENT REPAIR VARIOUS LOCATIONS

TEMPOARY EROSION CONTORL				
LOCATION	ROCK DITCH CHECK LF	SILT FENCE LF	SEDIMENT REMOVAL CY	NOTES
MO 210		477	5	SOUTHWEST OF 291 AND 210 INTERCHANGE
MO 210	4		1	SOUTHWEST OF 291 AND 210 INTERCHANGE
		TOTAL	477	6

\*1 CY OF SEDIMENT REMOVAL PER 100 LF OF SILT FENCE PER DITCH CHECK

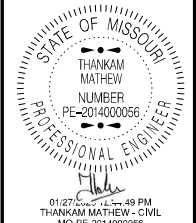
CONCRETE MEDIAN			
LOG MILE	DIRECTION	LOCATION	CONCRETE ISLAND SY
519+08.11	NORTH	NE CONCRETE ISLAND	389.84
512+61.24	NORTH	NW CONCRETE ISLAND	60.05
512+14.14	SOUTH	SW CONCRETE ISLAND	387.34
518+98.34	SOUTH	SE CONCRETE ISLAND	46.85
519+05.71	EAST	CONCRETE MEDIAN STRIP	241.78
PAY TOTAL			884.1

CONTRACTOR FURNISHED  
SURVEYING AND STAKING  
1 LUMP SUM

MOBLIZATION  
1 LUMP SUM

EARTHWORK				
LOCATION	CLASS A EXCAVATION CY	UNSUITABLE MATERIAL CY	COMPACTING EMBANKMENT CY	EMBANKMENT IN PLACE CY
MO 210	10.56	234.85	292.957	338.87
		TOTAL	293	339

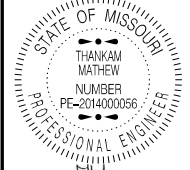
NOTE: EXISTING SHOULDER CONSIDERED PART OF  
CLASS A EXCAVATION IS THE UNSUITABLE MATERIAL  
AND IS INCLUDED IN REMOVAL OF IMPROVEMENTS.



DATE PREPARED  
1/27/2025  
ROUTE  
210  
STATE  
MO  
DISTRICT  
KC  
SHEET NO.  
03  
COUNTY  
JACKSON  
JOB NO.  
JKU0132  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

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



THANKAM MATHEW  
 NUMBER  
 PE-2014000056  
 PROFESSIONAL ENGINEER

DATE PREPARED  
 1/27/2025

ROUTE 210 STATE MO

DISTRICT KC SHEET NO. 03

COUNTY JACKSON

JOB NO. JKU0132

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						
START STA	END STA	LENGTH FT	HIGH BUILD WATER BORN PAINT WITH TYPE L BEADS		PERFORMED THEROMOPLASTIC		LEFT/RIGHT ARROW EA	NOTES
			6" WHITE SOLID LF	6" WHITE DOTTED LF	24" SOLID WHITE CROSS HATCH FT			
506+99.15	508+65.94	166.79	166.79					TAPER EDGELINE
508+65.94	512+46.27	380.33	380.33				3	RIGHT TURN LANE EDGELINE
508+65.71	511+93.1	327.39		81.85				RIGHT TURN LANE ARROWS
511+50.68	513+10.26					95		RAMP 2 HATCH
519+04.71	520+47.28					138		RAMP 4 HATCH
512+82.47	513+10.26		100.76					NW CONCRETE MEDIAN
512+13.04	512+99.38		197.09					SW CONCRETE MEDIAN
519+07.11	519+92.19		289.93					NE CONCRETE MEDIAN
518+97.42	519+21.44		88.48					SE CONCRETE MEDIAN
TOTAL			1305			236		

REMOVAL OF IMPROVEMENTS						
STA.	STA.	LOCATION	SIDE	UNITS	QUANTITIES	ITEM
512+84.34	512+84.34	MO 210	WESTSIDE	EA	1	SIGNAL POLE
512+94.62	512+94.62	MO 210	WESTSIDE	EA	1	SIGNAL POLE
513+57.83	513+57.83	MO 210	WESTSIDE	EA	1	SIGNAL POLE
513+59.04	513+59.04	MO 210	WESTSIDE	EA	1	SIGNAL POLE
518+57.66	518+57.66	MO 210	EASTSIDE	EA	1	SIGNAL POLE
519+52.69	519+52.69	MO 210	EASTSIDE	EA	1	SIGNAL POLE
518+62.13	519+53.70	MO 210	EASTSIDE	EA	1	SIGNAL POLE
519+28.91	519+28.91	MO 210	EASTSIDE	EA	1	SIGNAL POLE
519+55.35	519+55.35	MO 210	EASTSIDE	EA	1	CONTROLLER
506+85.84	512+46.27	MO 210	WESTSIDE	LF	560.50	SAW CUT FOR RIGHT TURN LANE
512+13.11	512+97.06	MO 210	WESTSIDE	SY	4215.69	ISLAND REMOVAL
512+61.54	513+10.28	MO 210	WESTSIDE	SY	1159.20	ISLAND REMOVAL
518+97.06	519+45.47	MO 210	EASTSIDE	SY	1085.94	ISLAND REMOVAL
519+07.12	519+92.08	MO 210	EASTSIDE	SY	4091.66	ISLAND REMOVAL
506+85.83	511+68.38	MO 210			4825.50	EXISTING SHOULDER
519+55.35	519+55.35	MO 210	EASTSIDE	EA	1	EXISTING SIGNALS CONTROLLER
PAY TOTAL					1 LUMP SUM	



NOTES:

- (1) RTL = RIGHT TURN LANE. SEE SPECIAL SHEET 07.
- (2) UPGRADE SIGNALS AND LIGHTING FOR NB AND SB INTERCHANGE. SEE SIGNAL PLAN SHEET 16-17.
- (3) REPLACE CONCRETE ISLANDS. SEE SPECIAL SHEET 08-09.



DATE PREPARED  
1/27/2025

ROUTE	STATE
210	MO
DISTRICT	SHEET NO.
KC	04

COUNTY  
JACKSON

JOB NO.  
JKU0132

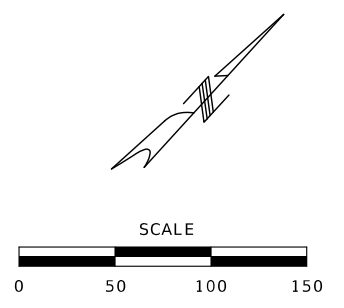
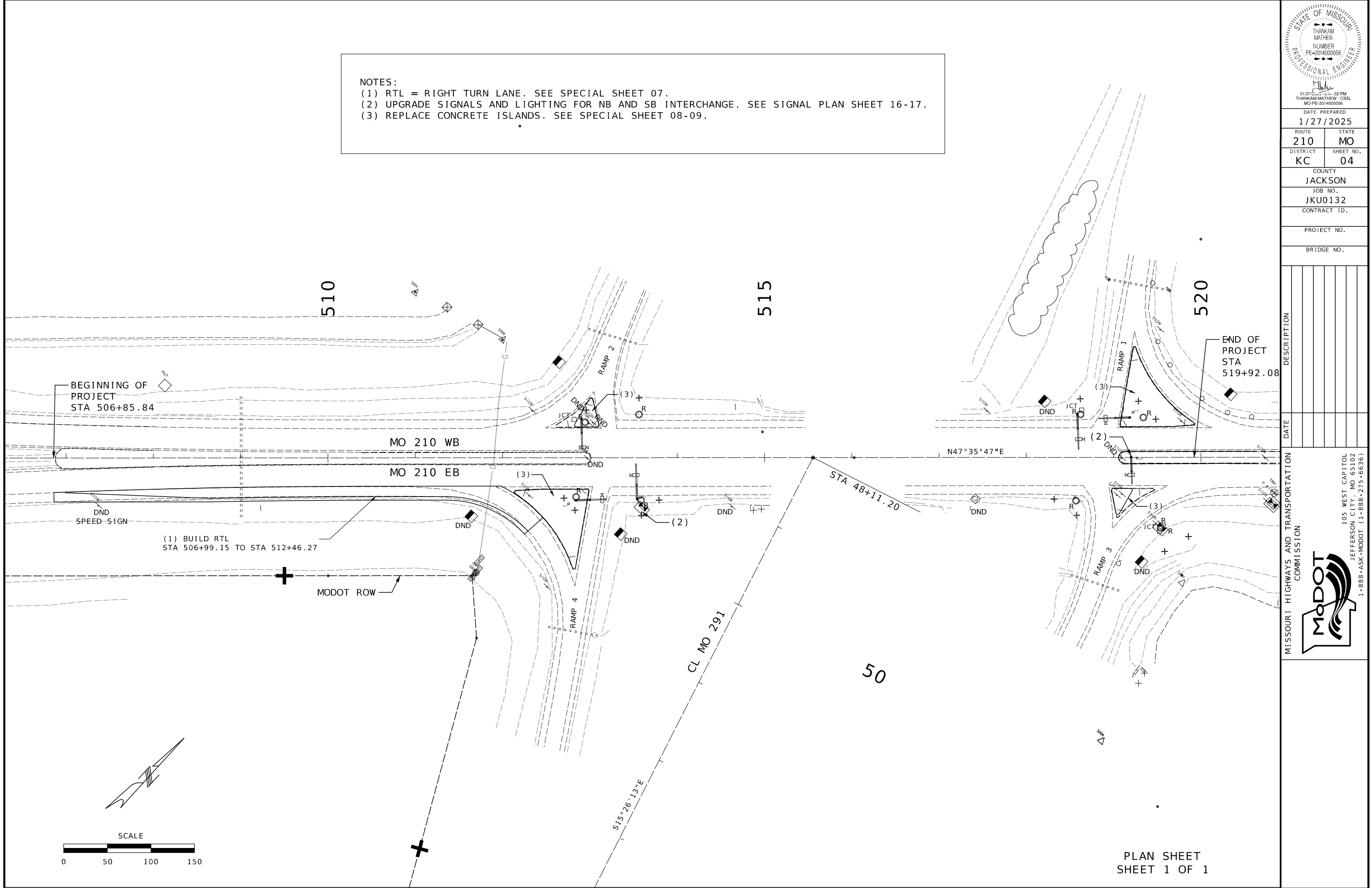
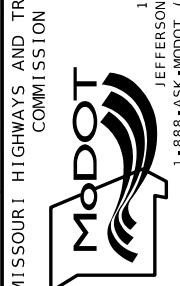
CONTRACT ID.

PROJECT NO.

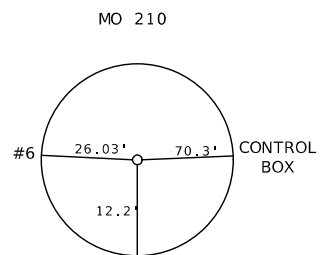
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



#2 IS A 5/8" X 24" REBAR WITH ORANGE MODOT CONTROL CAP. BURIED +/- 0.5 FT DEEP IN SOUTHEAST QUADRANT OF ROUTE 210 AND ROUTE 291 INTERSECTION.

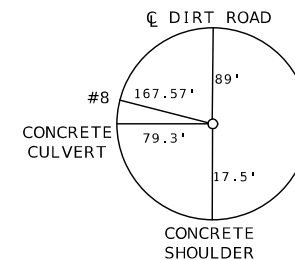


#2



MODIFIED COORDINATES:  
 NORTHING 1099179.74  
 EASTING 2818524.75  
 ELEV. 625.83

#7 IS A 5/8" X 24" REBAR WITH PINK MODOT CONTROL CAP. BURIED +/- 0.5 FT DEEP WEST OF ROUTE 210 AND ROUTE 291 INTERSECTION.

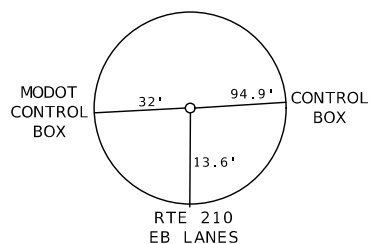


#7



MODIFIED COORDINATES:  
 NORTHING 1098560.95  
 EASTING 2817674.63  
 ELEV. 623.92

#6 IS A 5/8" X 24" REBAR WITH PINK MODOT CONTROL CAP. BURIED +/- 0.5 FT DEEP IN SOUTHEAST QUADRANT OF ROUTE 210 AND ROUTE 291 INTERSECTION.

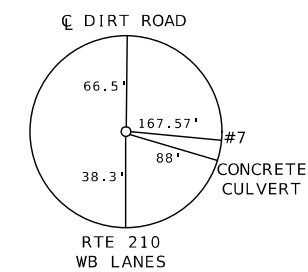


#6



MODIFIED COORDINATES:  
 NORTHING 1099196.82  
 EASTING 2818544.40  
 ELEV. 625.88

#8 IS A 5/8" X 24" REBAR WITH MODOT CAP. BURIED +/- 0.5 FT DEEP WEST OF ROUTE 210 AND ROUTE 291 INTERSECTION.

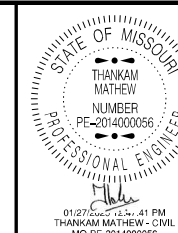


#8



MODIFIED COORDINATES:  
 NORTHING 1098465.60  
 EASTING 2817536.86  
 ELEV. 620.84

REFERENCE POINT SHEET  
 SHEET 1 OF 1



DATE PREPARED  
 1/27/2025

ROUTE 210	STATE MO
DISTRICT KC	SHEET NO. 05
COUNTY JACKSON	
JOB NO. JKU0132	
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-273-6636)

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

**PROJECT COORDINATE INFORMATION**

COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	GEOID18
ELEVATIONS DETERMINED BY	GPS OBSERVATION
PROJECT PROJECTION FACTOR	1.00008861

**REFERENCE CONTROL INFORMATION**

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MO GEOGRAPHIC REFERENCE SYSTEM
DESIGNATION	CL-01
CORS_ID	XX
PID	47001
LATITUDE	39°09'21.93696"
LONGITUDE	094°26'17.01765"
NORTHING (M)	331779.2380
EASTING (M)	855353.4760
ZONE	WEST

PROJECT AVERAGE GRID FACTOR | 0.99991140

**EXAMPLE OF PROJECT COORDINATE TO S.P.C.**

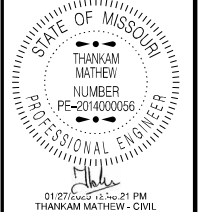
PROJECT NORTHING X AVERAGE GRID FACTOR  
= STATE PLANE NORTHING  
PROJECT EASTING X AVERAGE GRID FACTOR  
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #\_\_\_\_  
N \_\_\_\_\_ X \_\_\_\_\_ = N \_\_\_\_\_  
E \_\_\_\_\_ X \_\_\_\_\_ = E \_\_\_\_\_

**LINEAR UNIT CONVERSION**

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
<b>PROJECT CONTROL POINTS</b>								
	520+24.51	RTE 210	55.8358	1099179.74	2812524.75	625.83	#2	
	509+79.25	RTE 210	60.4624	1098560.95	2817674.63	623.92	#7	
	520+50.41	RTE 210	56.4069	1099196.82	2818544.4	625.88	#6	
	508+13.33	RTE 210	83.0814	1098465.6	2817536.86	620.84	#8	
<b>ALIGNMENTS</b>								
	442+12.777	RTE 210	0	1093953.19	2812718.94	0	MO 210 START	501
	530+00.00	RTE 210	0	1099878.83	2819207.55	0	MO 210 END	502



DATE PREPARED  
**1/27/2025**

ROUTE **210** STATE **MO**  
DISTRICT **KC** SHEET NO. **06**


COUNTY **JACKSON**  
JOB NO. **JKU0132**  
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

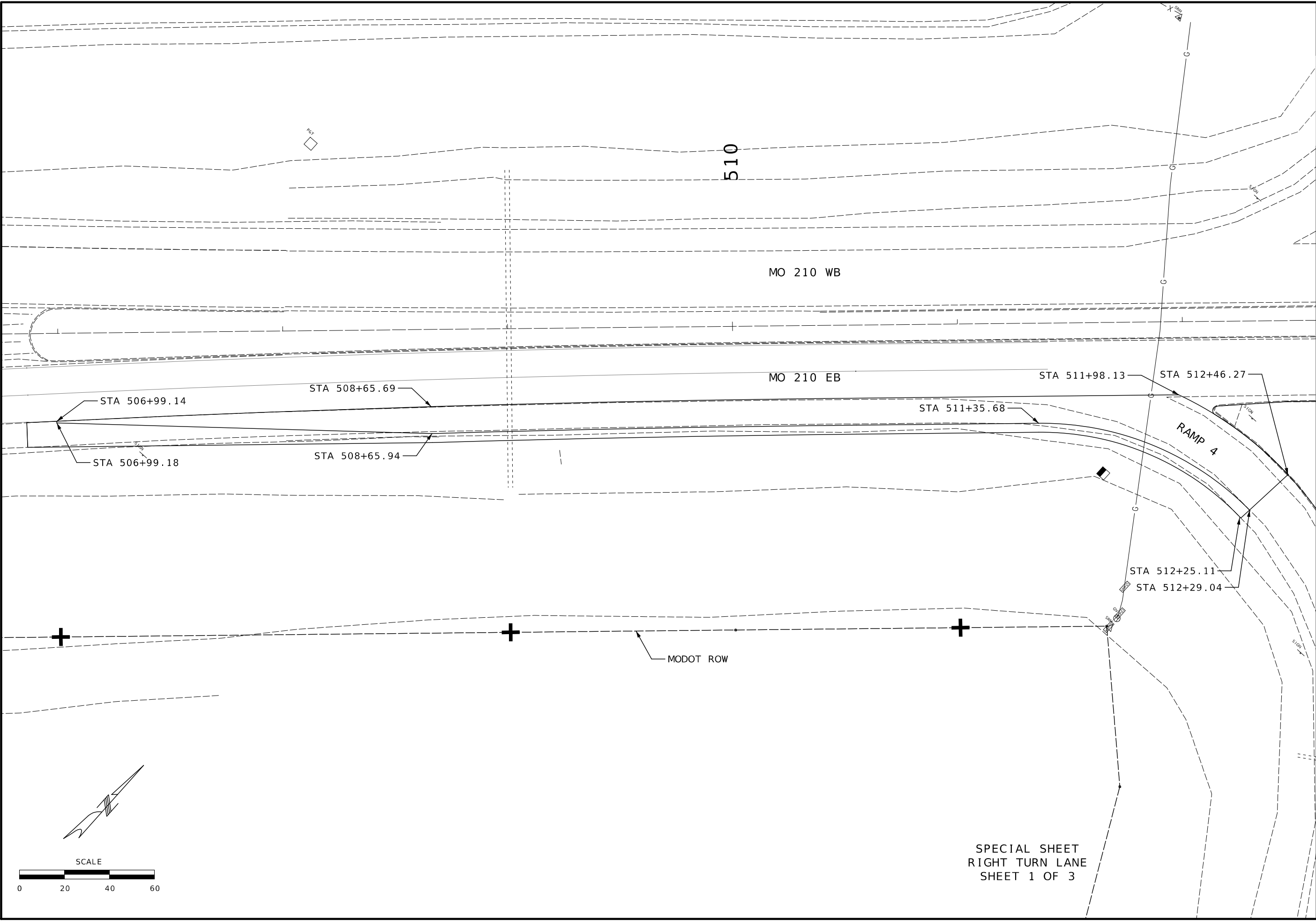
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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





SPECIAL SHEET  
 RIGHT TURN LANE  
 SHEET 1 OF 3



01/27/2025 11:55 PM  
 THANKAM MATHEW - CIVIL  
 MO-PE-2014000056

DATE PREPARED  
 1/27/2025

ROUTE	STATE
210	MO
DISTRICT	SHEET NO.
KC	07

COUNTY  
 JACKSON

JOB NO.  
 JKU0132

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)



DATE PREPARED  
1/27/2025

ROUTE 210 STATE MO

DISTRICT KC SHEET NO. 08

COUNTY JACKSON

JOB NO. JKU0132

CONTRACT ID.

PROJECT NO.

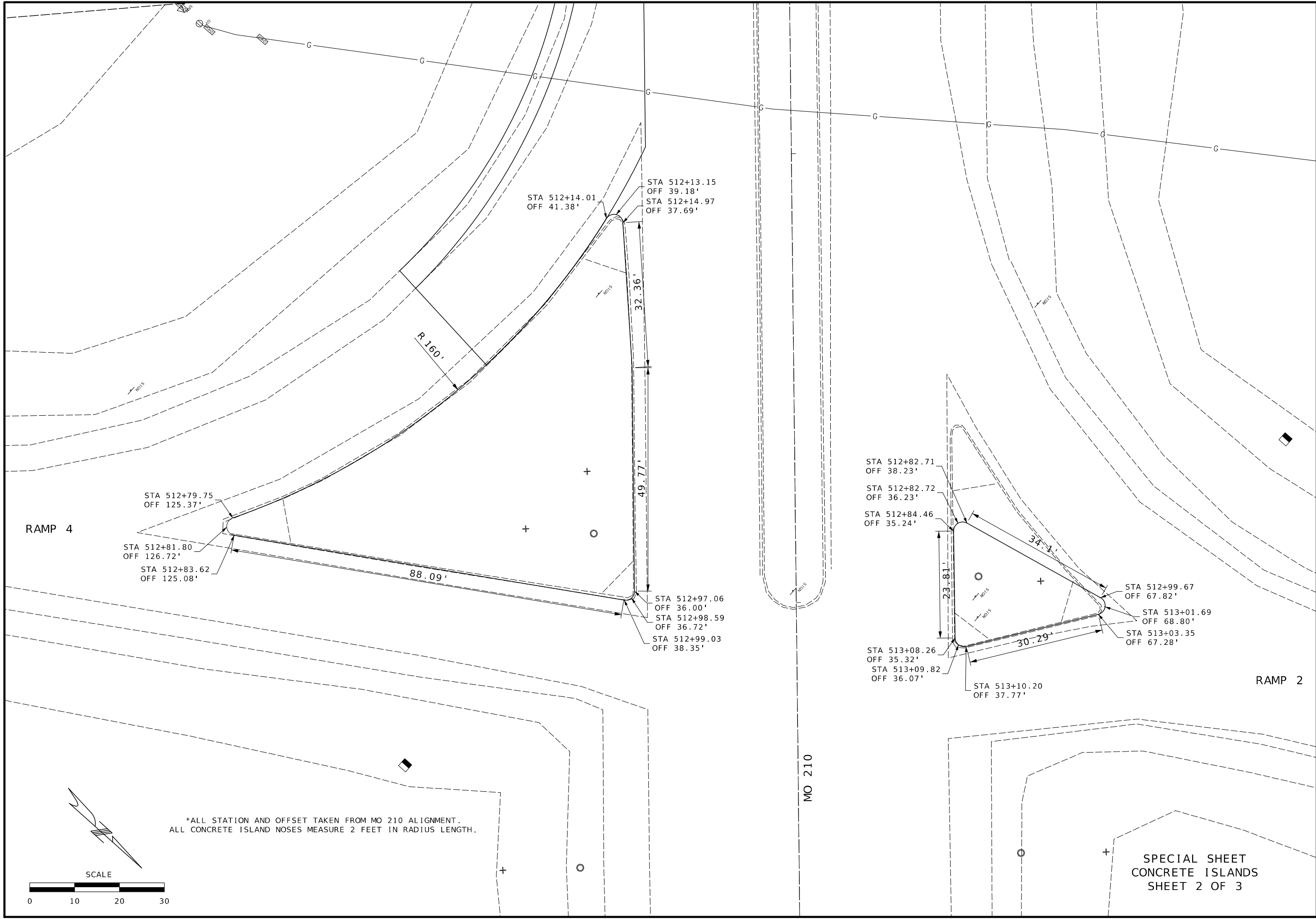
BRIDGE NO.

DATE	DESCRIPTION

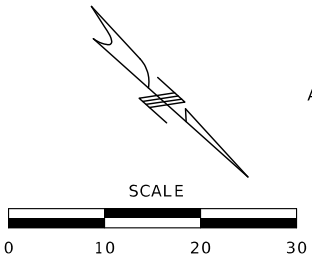
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

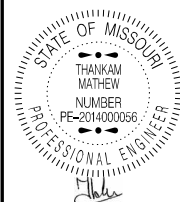


\*ALL STATION AND OFFSET TAKEN FROM MO 210 ALIGNMENT.  
ALL CONCRETE ISLAND NOSES MEASURE 2 FEET IN RADIUS LENGTH.



SPECIAL SHEET  
CONCRETE ISLANDS  
SHEET 2 OF 3

\*ALL STATION AND OFFSET TAKEN FROM MO 210 ALIGNMENT.  
ALL CONCRETE ISLAND NOSES MEASURE 2 FEET IN RADIUS LENGTH.




DATE PREPARED  
**1/27/2025**

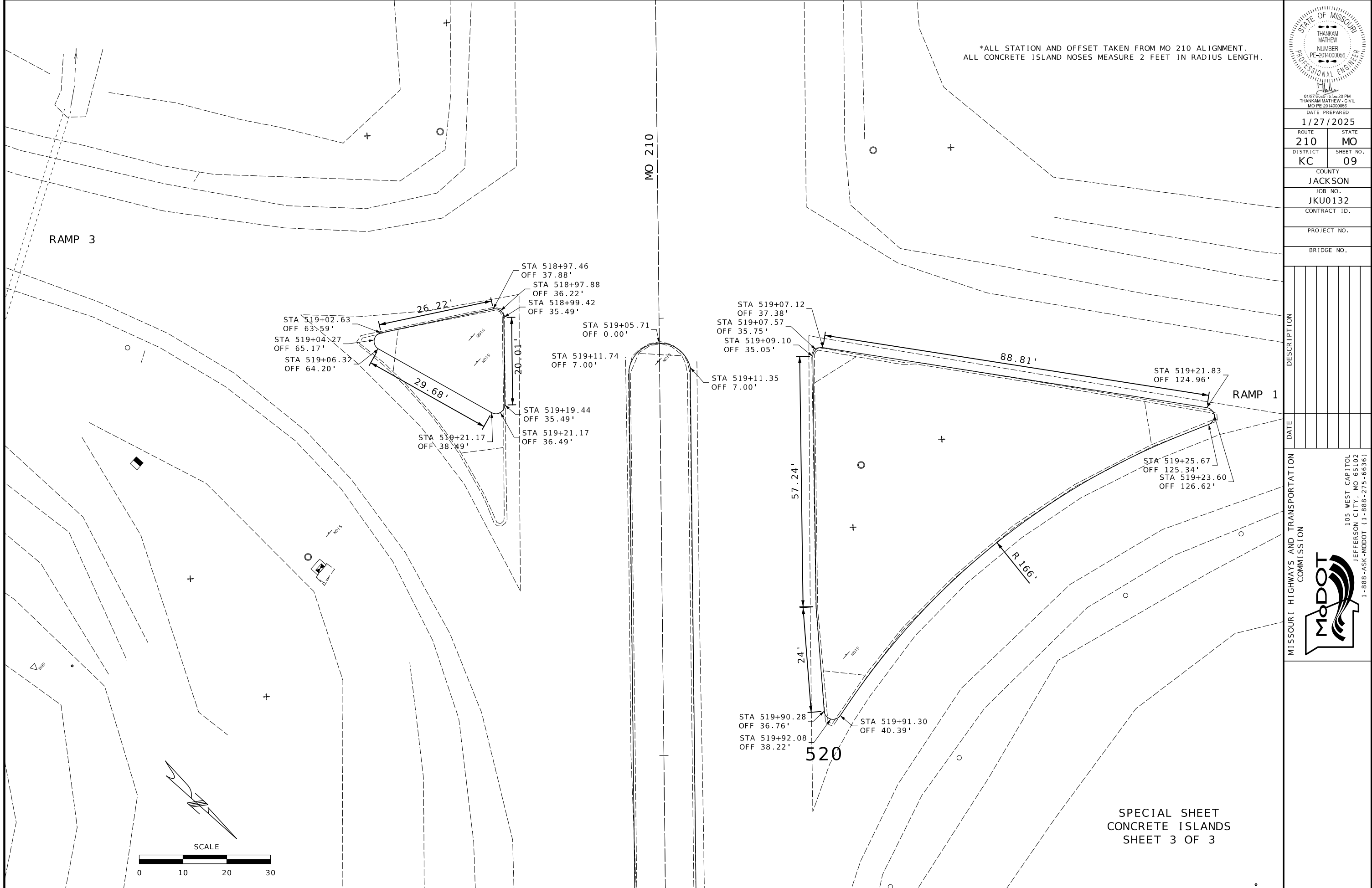
ROUTE	STATE
<b>210</b>	<b>MO</b>
DISTRICT	SHEET NO.
<b>KC</b>	<b>09</b>
COUNTY	
<b>JACKSON</b>	
JOB NO.	
<b>JKU0132</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

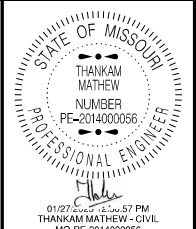


105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



SPECIAL SHEET  
CONCRETE ISLANDS  
SHEET 3 OF 3

# SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER



DATE PREPARED  
1/27/2025

ROUTE STATE  
210 MO

DISTRICT SHEET NO.  
KC 10

COUNTY  
JACKSON

JOB NO.  
JKU0132

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 SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED 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'

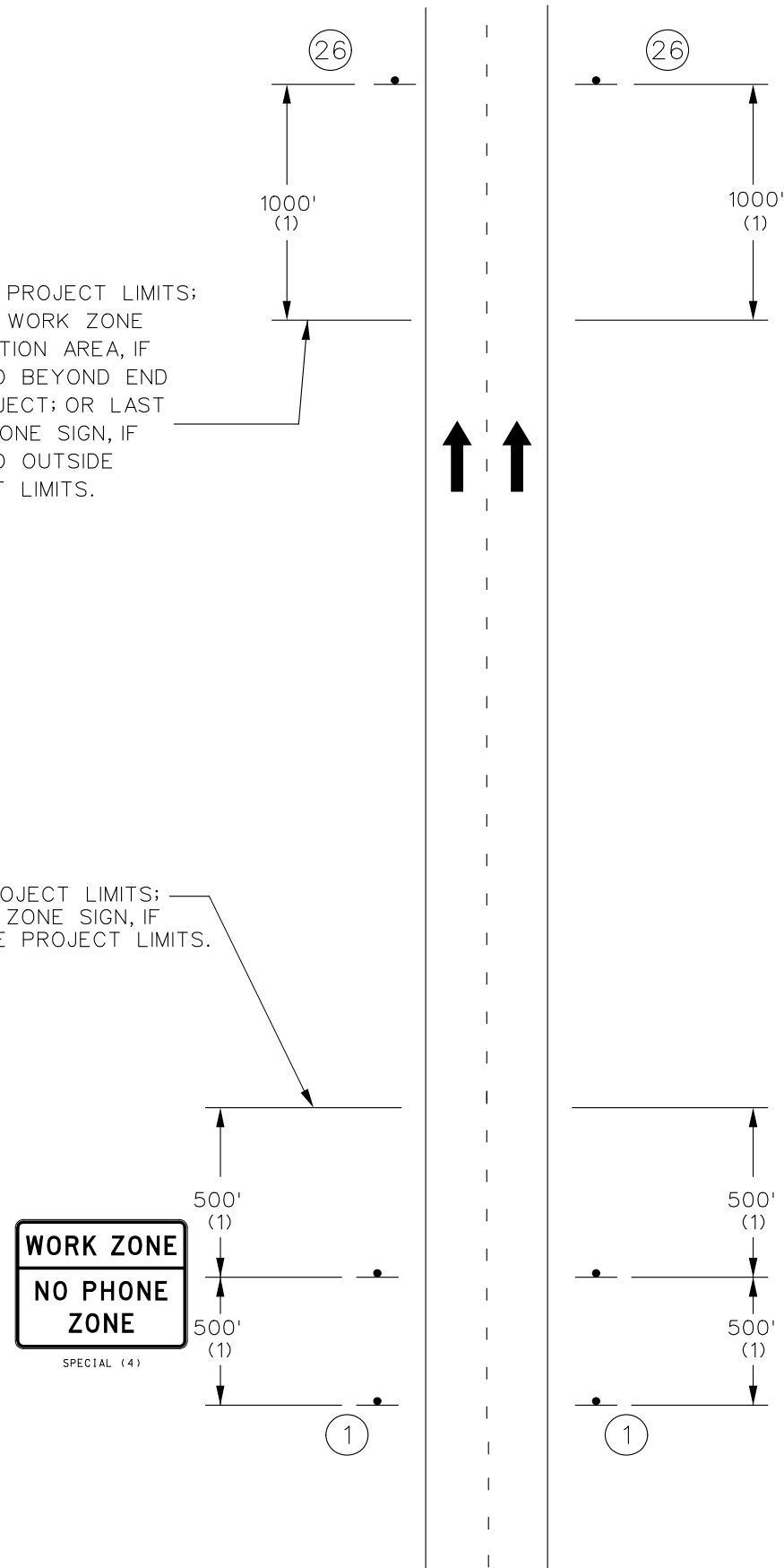
- NOTE:
- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
  - (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
  - (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
  - (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
< 40	160'	168'	176'	BARRIER HEIGHT TRANSITION
> 40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

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

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



NOTES:

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.

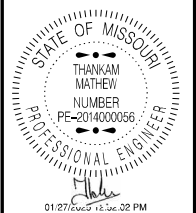
(2) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN G020-1 ROAD WORK NEXT XX MILES.

(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

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

MULTI-LANE DIVIDED  
 BEGIN/END OF PROJECT SIGNING  
 (FOR USE ON ALL PROJECTS)

BEGIN/END  
 PROJECT SIGNING  
 TEMPORARY  
 TRAFFIC CONTROL  
 SHEET 2 OF 5

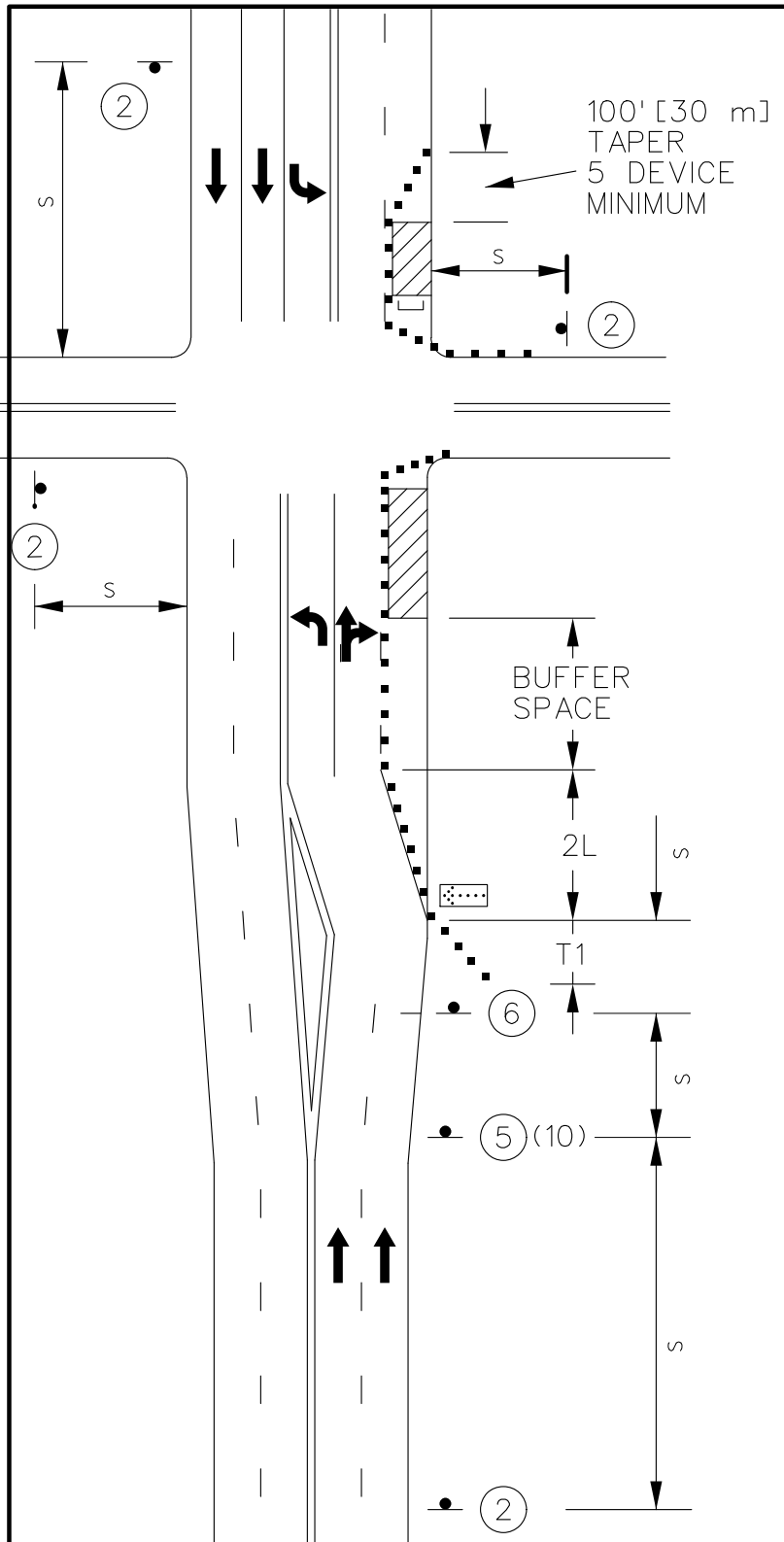


DATE PREPARED 1/27/2025	
ROUTE 210	STATE MO
DISTRICT KC	SHEET NO. 11
COUNTY JACKSON	
JOB NO. JKU0132	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

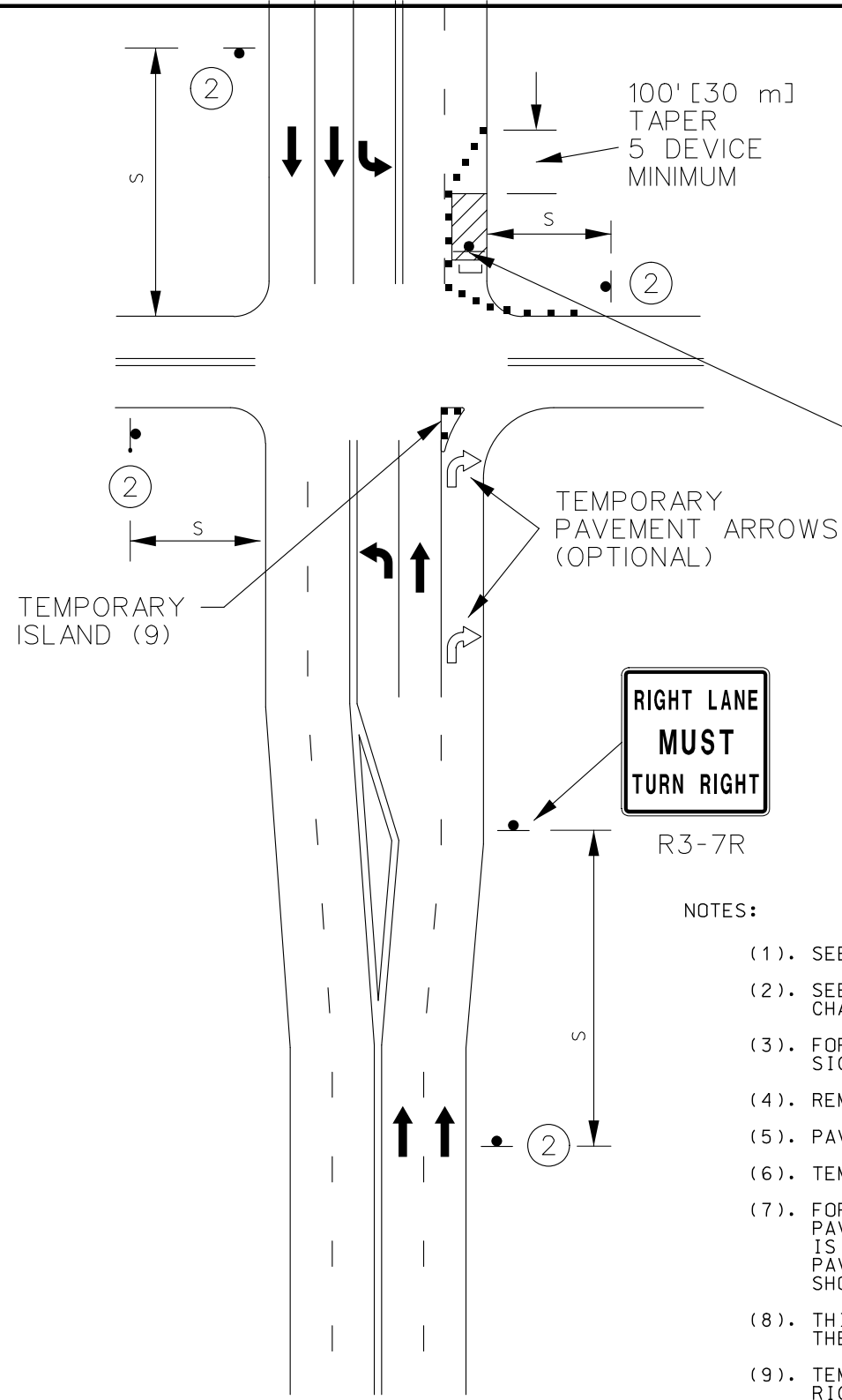
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



WORK ON NEAR OR FAR SIDE

LANE CLOSURE  
RIGHT LANE CLOSURE AT INTERSECTION



WORK ON FAR SIDE ONLY (8)

**RIGHT LANE  
MUST  
TURN RIGHT**  
R3-7R

NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- (2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (3). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- (4). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- (5). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- (6). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (7). FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN ON TRAFFIC CONTROL SHEET 1.
- (8). THIS FIGURE ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH VOLUME.
- (9). TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.
- (10). SIGN (5) MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

**ROAD  
WORK  
AHEAD**  
W020-1  
(2)

**BRIDGE  
OR  
RAMP**

**RIGHT LANE  
CLOSED  
AHEAD**  
W020-5  
(5)

**CENTER LANE  
OR  
LEFT LANE**

**RIGHT LANE  
MUST  
TURN RIGHT**  
R3-7R

**RIGHT  
LANE  
CLOSED**  
W020-6a  
(6)

**CENTER  
OR  
LEFT**

STATE OF MISSOURI  
THANKAM MATHIEW  
NUMBER  
PE-2014000066  
PROFESSIONAL ENGINEER

DATE PREPARED  
1/27/2025

ROUTE 210	STATE MO
DISTRICT KC	SHEET NO. 12

COUNTY  
JACKSON

JOB NO.  
JKU0132

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

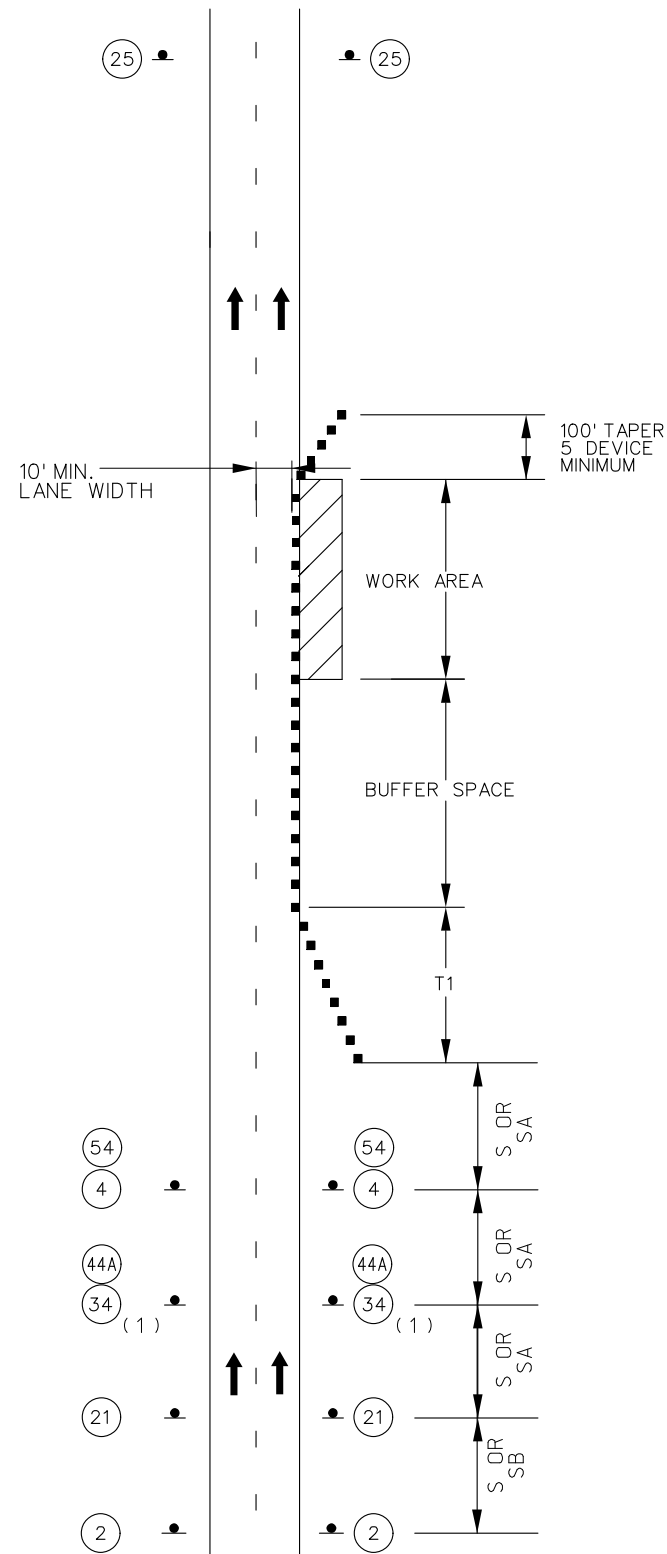
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

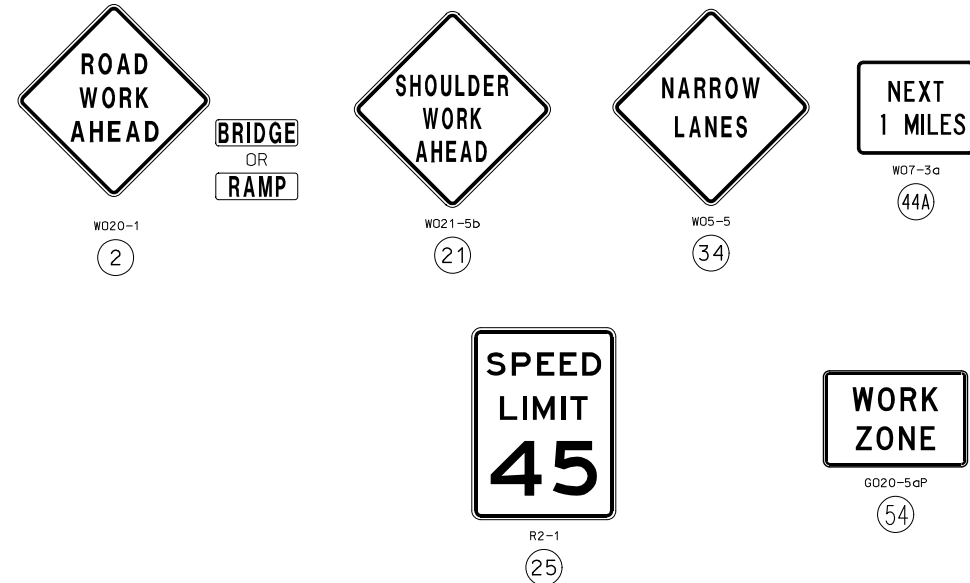
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**MoDOT**

RIGHT LANE CLOSURE  
AT INTERSECTION  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 3 OF 5



MULTI-LANE DIVIDED  
SHOULDER WORK  
MINOR TRAVELWAY ENCROACHMENT

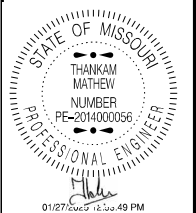


**NOTES:**

- SEE TRAFFIC CONTROL SHEET 1 FOR WORKZONE SPEED LIMIT GUIDELINES.
- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.
- THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- (1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

SHOULDER WORK  
MINOR ENCROACHMENT  
TEMPORARY  
TRAFFIC CONTROL  
SHEET 4 OF 5

DATE PREPARED 1/27/2025	
ROUTE 210	STATE MO
DISTRICT KC	SHEET NO. 13
COUNTY JACKSON	
JOB NO. JKU0132	
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)	



DATE PREPARED  
**1/27/2025**

ROUTE <b>210</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>14</b>

COUNTY  
**JACKSON**

JOB NO.  
**JKU0132**

CONTRACT ID.

PROJECT NO.

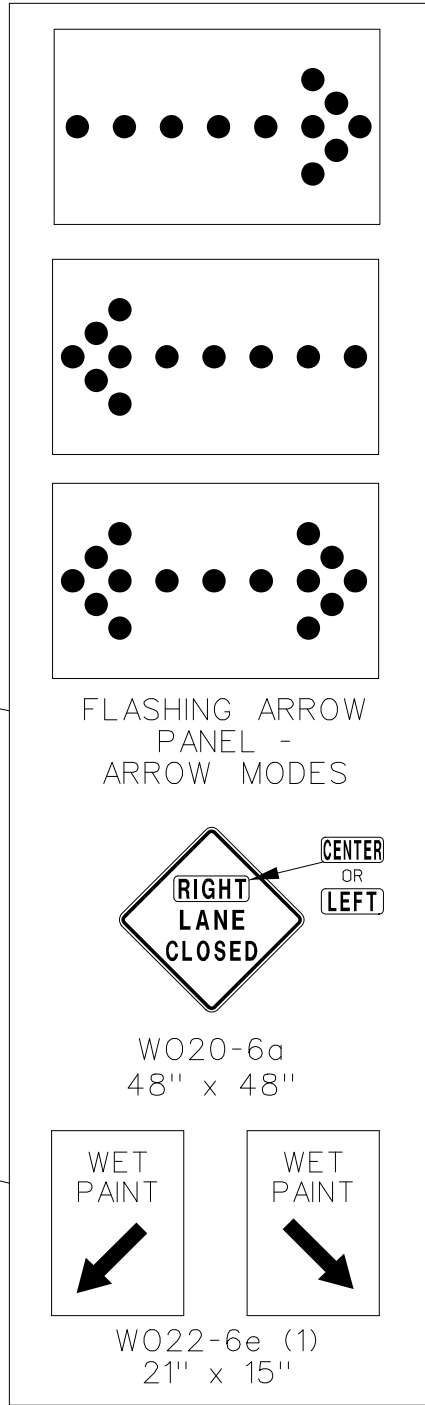
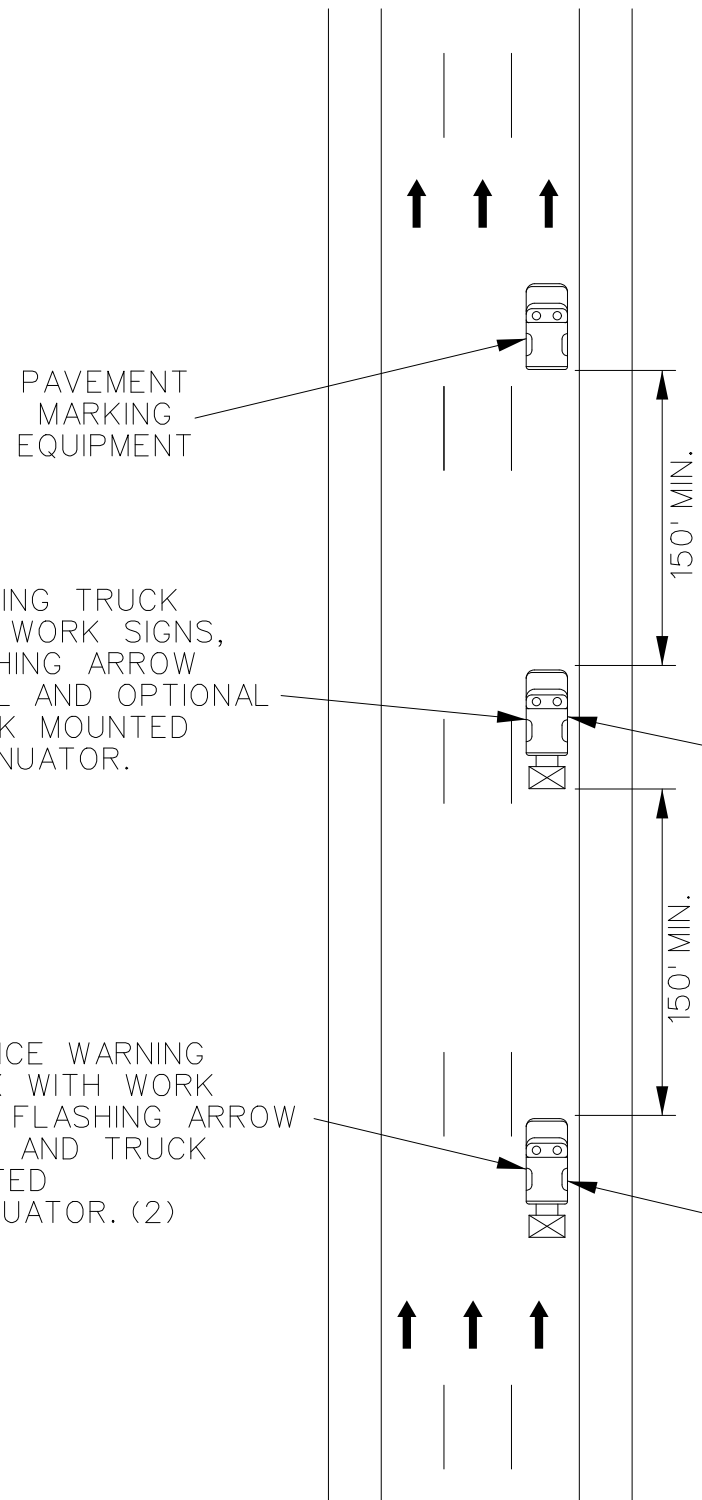
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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









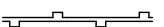
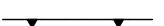


NOTES:

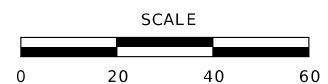
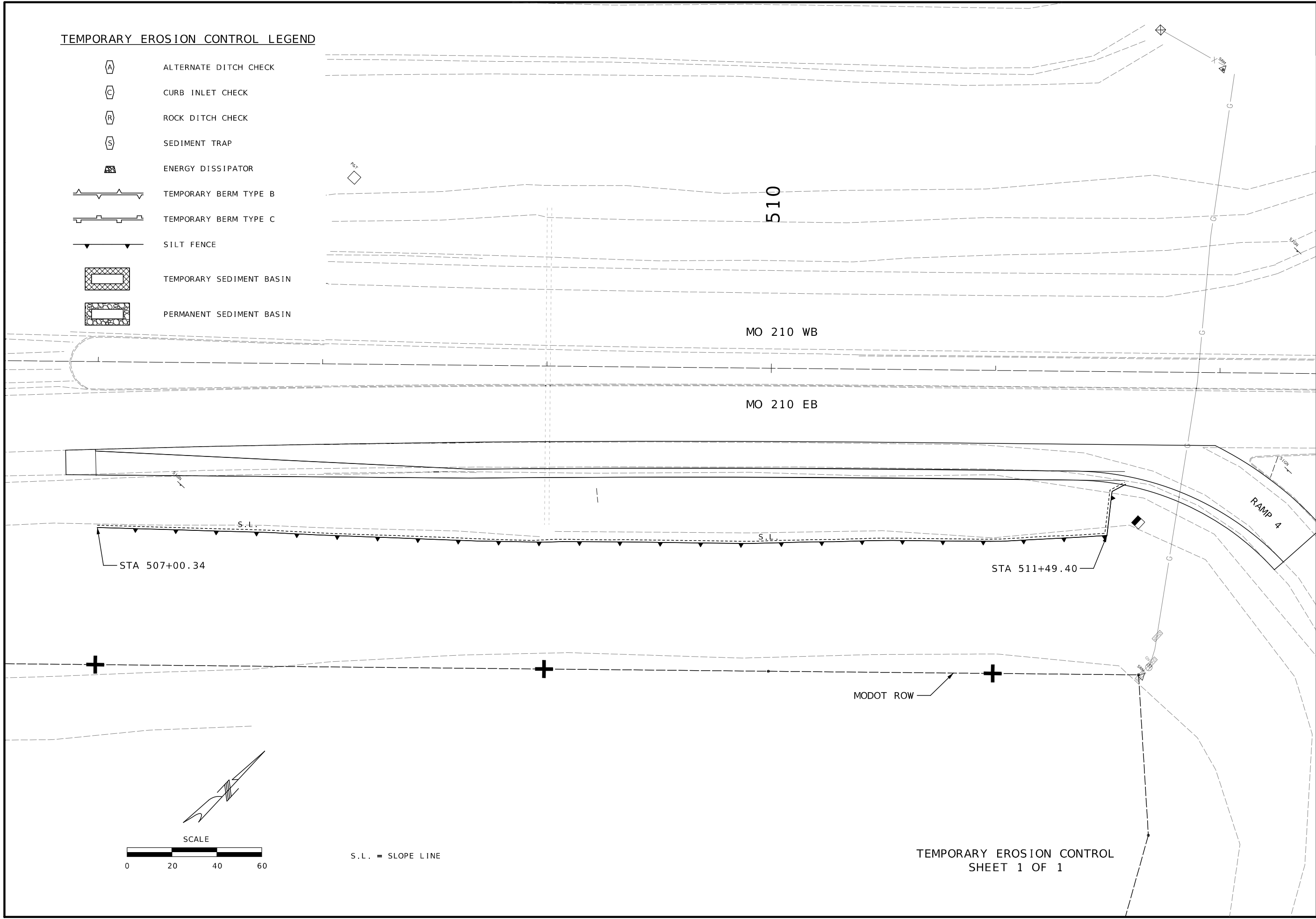
- ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.
  - UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.
  - PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.
  - VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
  - (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). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.
- FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.
- 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.
- A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED, WHEN MORE THAN ONE LANE IS CLOSED A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

**MOVING OPERATION ON HIGHWAY  
OPEN TO TRAFFIC  
MULTI-LANE DIVIDED HIGHWAY**



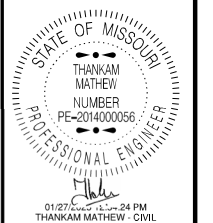
# TEMPORARY EROSION CONTROL LEGEND

-  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



S.L. = SLOPE LINE

TEMPORARY EROSION CONTROL  
SHEET 1 OF 1



DATE PREPARED  
1/27/2025

ROUTE 210	STATE MO
DISTRICT KC	SHEET NO. 15

COUNTY  
JACKSON

JOB NO.  
JKU0132


CONTRACT ID.

PROJECT NO.

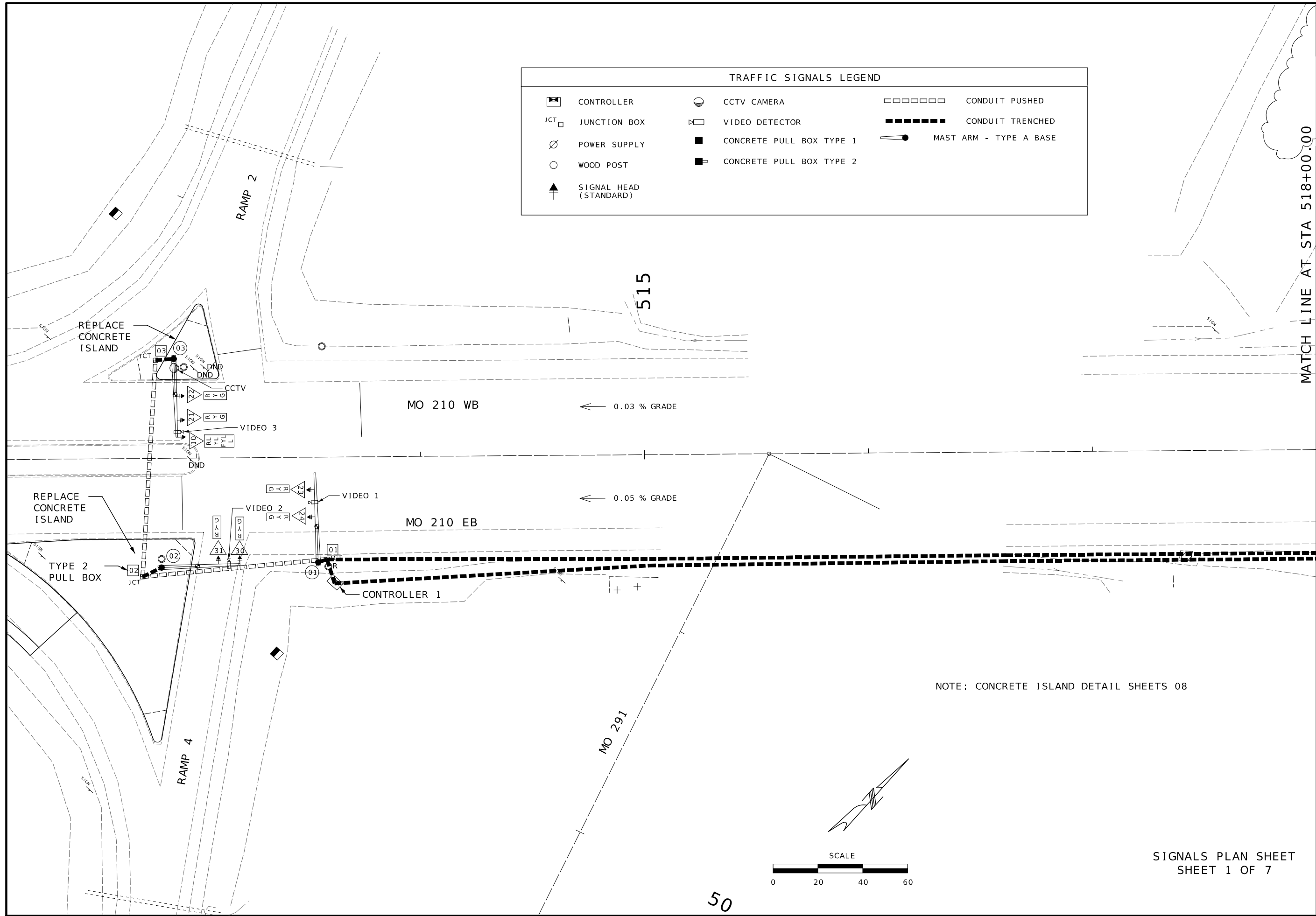
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



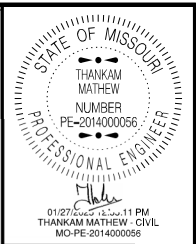
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



**TRAFFIC SIGNALS LEGEND**

	CONTROLLER		CCTV CAMERA		CONDUIT PUSHED
	JUNCTION BOX		VIDEO DETECTOR		CONDUIT TRENCHED
	POWER SUPPLY		CONCRETE PULL BOX TYPE 1		MAST ARM - TYPE A BASE
	WOOD POST		CONCRETE PULL BOX TYPE 2		
	SIGNAL HEAD (STANDARD)				

MATCH LINE AT STA 518+00.00



DATE PREPARED: 1/27/2025

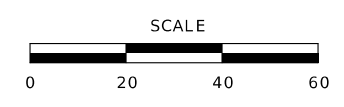
ROUTE	STATE
210	MO
DISTRICT	SHEET NO.
KC	16
COUNTY	
JACKSON	
JOB NO.	
JKU0132	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

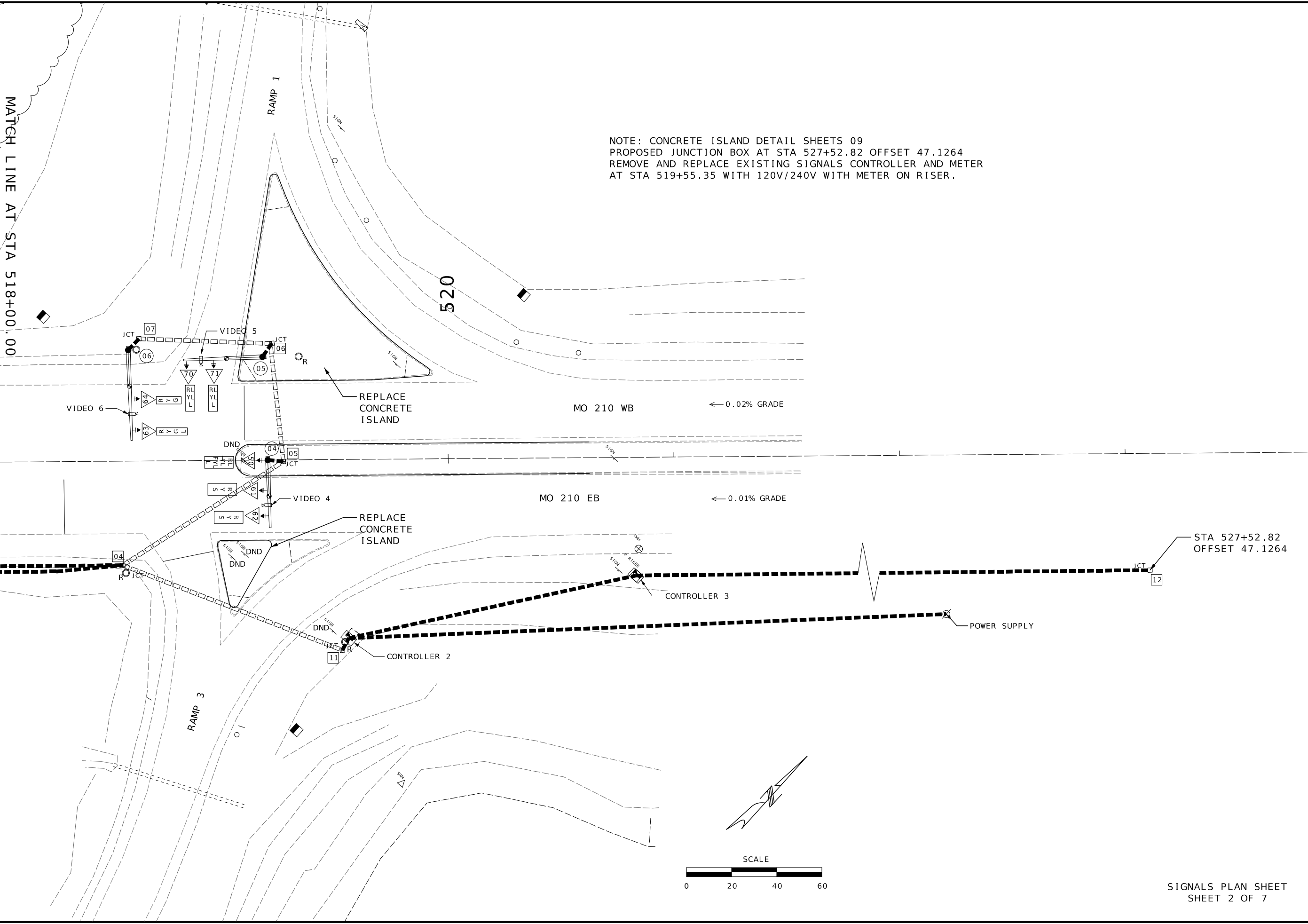
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

NOTE: CONCRETE ISLAND DETAIL SHEETS 08

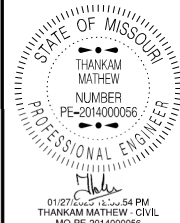


SIGNALS PLAN SHEET  
SHEET 1 OF 7

MATCH LINE AT STA 518+00.00



NOTE: CONCRETE ISLAND DETAIL SHEETS 09  
 PROPOSED JUNCTION BOX AT STA 527+52.82 OFFSET 47.1264  
 REMOVE AND REPLACE EXISTING SIGNALS CONTROLLER AND METER  
 AT STA 519+55.35 WITH 120V/240V WITH METER ON RISER.



DATE PREPARED  
**1/27/2025**

ROUTE <b>210</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>17</b>

COUNTY  
**JACKSON**

JOB NO.  
**JKU0132**

CONTRACT ID.

PROJECT NO.

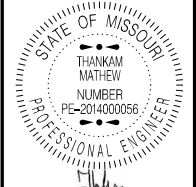
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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





02/25/2025 7:48 AM  
THAKAM MATHEW - CIVIL  
MO-PE-2014000056

DATE PREPARED  
2/25/2025

ROUTE 210 STATE MO

DISTRICT KC SHEET NO. 19

COUNTY JACKSON

JOB NO. JKU0132

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

CONDUIT (WITH #14 TRACER WIRE)

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.					REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	POWER				CONTROL	CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS								
			1"	2"	TRENCH		PUSHED					MEDIAN		ON STRUCTURE				1c #8	2c #16		5c #16	7c #16	3c #16		3 PAIR #16	POLE & BRACKET		1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
					3"	4"	2"					3"	4"	2"	3"				2"	3"						2c #12	1c #10					
∅	☒	265			269						PS TO CONTROLLER 2	∅	☒	265	281										PS TO CONTROLLER 2							
☒	①	12			15						MEDIAN	☒	②	20					95													
①	②	5			8							☒	③	20					95													
①	③	83										☒	④	108					183													
②	④	10										☒	⑤	108					184													
②	⑤	90										☒	⑥	197					244													
③	⑥	9			12							☒	⑦	197					244													
①	⑦	506										☒	⑧	197					279													
④	⑧	79										☒	⑨	607					646													
⑤	⑨	7			10						MEDIAN	☒	⑩	607					654													
⑤	⑩	53										☒	⑪	607					684													
⑥	⑪	8			11							☒	⑫	607					654													
⑥	⑫	56										☒	⑬	661					749													
⑦	⑬	7			10							☒	⑭	661					714													
												☒	⑮	716					815													
☒	⑪	6			9						CONTROLLER 2	☒	⑰	140							103				VIDEO 1							
⑪	⑫	96										☒	⑱	230							208				VIDEO 2							
④	⑬	494			497						CONTROLLER 1	☒	⑲	640							298				VIDEO 3							
												☒	⑳	700							703				VIDEO 4							
☒	☒	130			138						CONTROLLER 2 TO CONTROLLER 3	☒	㉑	755							768				VIDEO 5							
☒	⑫	670			673						CONTROLLER 3	☒	㉒	200							828				VIDEO 6							
												☒	㉓	200							233				CCTV							
												☒	㉔	130	146										CONTROLLER 2 TO CONTROLLER 3							
												☒	㉕	670	684										CONTROLLER 3							
												☒	㉖	6	20										CONTROLLER 2							
												☒	㉗	96	108										CONTROLLER 1							
												☒	㉘	494	508																	

SUBTOTALS

1655 10

948

SUBTOTALS

1747

6240

3141

PAY TOTAL

1655 10

948

PAY TOTAL

1750

6240

3150

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



POWER SUPPLY												
LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	CONTROLLER		POWER SUPPLY DISCONNECT		120 VOLT CONTROL CABINET		MAIN BREAKER	UTILITY COMPANY
					AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER	SIGNALS				
MO 210	513+45.64	61.6168	Type 2		15 Amps	Amps	Amps	Amps	1		Amps	Cl. Ft.
			Type		15 Amps	Amps	Amps	Amps			Amps	Cl. Ft.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT																										
LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH		COORDINATION INTERFACE *					TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *						
APPROACH	STATION	OFFSET	NEMA		170		TYPE		12C/7C HARDWARE (1)		TIME BASE	CLOSED LOOP			FIBER	E			332		336S		BITRAN		WAPITI	
			I	II	MASTER	LOCAL	NEMA	170	NEMA	170		NEMA	170	E		EV	DOUBLE	332	336S	BITRAN	WAPITI					
MO 210	513+51.27	59.9317																								

NEMA DETECTOR ASSIGNMENT									
CARD POSITION									
		1	2	3	4	5	6	7	8
CHANNEL	1	VIDEO							
	2								

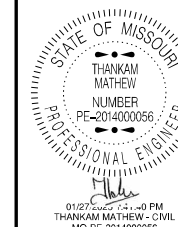
TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

DETECTOR SCHEDULE						
DETECTOR NUMBER	APPROACH	TYPE				
		PUSH BUTTON	INDUCTION LOOP (2)			VIDEO
			STANDARD	DELAY/EXTEND *	CALL UNIT *	
10,21,22	WB					1
23,24	EB					1
30,31	SB					1
50,61,62	EB					1
63,64	WB					1
70,71	NB					1
TOTAL						1 SYSTEM

\* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.  
 \*\*\* USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.  
 (1) MODOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.  
 (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.  
 \*MODOT PROVIDED CONTROLLER.  
 \*MODOT PROVIDED CONTROLLER

SIGNAL SIGNS					
QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
		INCHES	SQ. FT.	SQ. FT.	ITEM NO. 90208.33
	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		
2	R10-27A	30 X 36	7.5	15	2
SUBTOTAL				15	2
TOTAL				15	2

NEMA LOAD SWITCH ASSIGNMENTS															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
01 WBLT	02 LE	03 SB		05 EBLT	06 LF	07 NB						01A	01B	01L	01D



DATE PREPARED 1/27/2025

ROUTE 210 STATE MO  
 DISTRICT KC SHEET NO. 20

COUNTY JACKSON

JOB NO. JKU0132

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

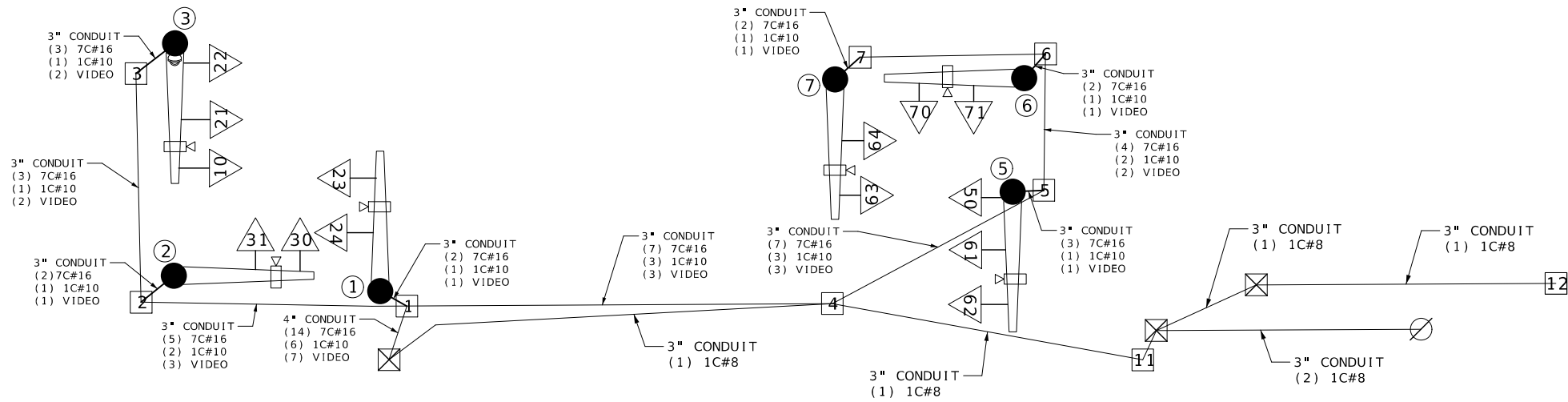
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

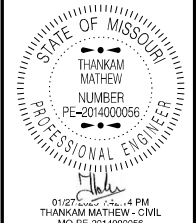
MoDOT Logo

# WIRING DIAGRAM



## LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER



DATE PREPARED  
**1/27/2025**

ROUTE <b>210</b>	STATE <b>MO</b>
DISTRICT <b>KC</b>	SHEET NO. <b>21</b>

COUNTY  
**JACKSON**

JOB NO.  
**JKU0132**

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)

MO 210 AND MO 291

INTERSECTION

D-37D





