

A.A.D.T. - 2024 = VARIES
A.A.D.T. - 2044 = VARIES
D.H.V. = VARIES %
T = VARIES %
V = 65 M.P.H.
D = VARIES %
FUNCTIONAL CLASSIFICATION-INTERSTATE & FREEWAY

NO RIGHT OF WAY TO BE ACQUIRED FOR
THIS PROJECT

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
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		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		— V —
WOVEN WIRE		— X —
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

KEY MAP
LOCATION OF JACKSON COUNTY

KEY MAP
N OF JACKSON COUNTY

INTERCHANGE - 4

INTERCHANGE - 2

INTERCHANGE - 3

INTERCHANGE - 10

INTERCHANGE - 9

INTERCHANGE - 1

KANSAS CITY

INDEPENDENCE

BLUE SPRINGS

LEE'S SUMMIT

RAYTOWN

GRANDVIEW

GREENWOOD

LAKE LOTAWANA

BUCKNER

LEVASY

GRAIN VALLEY

OAK GROVE

LONE JACK

STIBLEY

MISSOURI RIVER

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.

DESCRIPTION	NUMBER
TITLE SHEET -----	1
QUANTITIES (QU) (6 SHEETS)-----	3
TRAFFIC CONTROL SHEETS (TC)-----	4-9
EROSION CONTROL SHEETS (EC)-----	10-19
LIGHTING (LT)-----	20-29
BRIDGE DRAWINGS (B)	
A2149-----	1-1

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BEGINNING OF PROJECT	VARIOUS INTERCHANGES
END OF PROJECT	VARIOUS INTERCHANGES
APPARENT LENGTH	VARIES FEET
EQUATIONS AND EXCEPTIONS: NA	

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0.25 AC/INTERCHANGE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

LIGHTING POLES									
INTERCHANGE NUMBERS	LOG MILE BEG. (OFF RAMP)	LOG MILE END (ON RAMP)	TYPE AT 45' LIGHT POLE EA	15' BRACKET ARM EA	POLE & BRACKET CABLE 1C-#10 AWG LF	45' POLE FOUNDATION EA	LED B LUMINAIRIE EA	REMARKS	
1	19.951	20.339	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON US50 EB AND MO 7 INTERCHANGE (SE & SW QUADRANTS)	
	241.536	242.051	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON US50 WB AND MO 7 INTERCHANGE (NE & NW QUADRANTS)	
2	23.533	23.994	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON US24 EB AND MO 7 INTERCHANGE (SE & SW QUADRANTS)	
	197.436	197.911	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON US24 WB AND MO 7 INTERCHANGE (NE & NW QUADRANTS)	
3	20.682		1.00	1.00	130.00	1.00	1.00	RAMP ON, ON I-70 EB AND MO 7 INTERCHANGE (SE QUADRANT)	
4	37.180	37.330	1.00	1.00	130.00	1.00	1.00	RAMP ON, ON I-435 SB AND FRONT STREET	
5	1.854	2.355	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON I-470 EB AND BLUE RIDGE BLVD. INTERCHANGE	
			4.00	4.00	520.00	4.00	4.00	SOUTH OF I-470 (REPLACE EX. POLE WITH BREAKAWAY BASE)	
			4.00	4.00	520.00	4.00	4.00	NORTH OF I-470 (REPLACE EX. POLE WITH BREAKAWAY BASE)	
6	14.825	15.579	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON I-470 WB AND BLUE RIDGE BLVD. INTERCHANGE	
7	3.847	4.437	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON I-470 EB AND RAYTOWN RD. INTERCHANGE	
	12.743	13.350	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON I-470 WB AND RAYTOWN RD. INTERCHANGE	
			2.00	2.00	260.00	2.00	2.00	NE & NW QUADRANTS OF I-470 (REPLACE EX. POLE_LP-3 & LP-4, WITH BREAKAWAY BASE)	
8		11.537	1.00	1.00	130.00	1.00	1.00	RAMPS ON, ON I-470 EB AND VIEW HIGH DR. INTERCHANGE	
		12.050	1.00	1.00	130.00	1.00	1.00	RAMPS ON, ON I-470 WB AND VIEW HIGH DR. INTERCHANGE	
9		9.650	1.00	1.00	130.00	1.00	1.00	RAMPS ON, ON I-470 EB AND DOUGLAS ST INTERCHANGE	
	7.600	8.060	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON I-470 WB AND DOUGLAS ST. INTERCHANGE	
10	13.950	14.490	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON I-470 EB AND LAKEWOOD BLVD. -BOWLIN RD INTERCHANGE	
	2.700	3.253	2.00	2.00	260.00	2.00	2.00	RAMPS ON & OFF ON I-470 WB AND LAKEWOOD BLVD. -BOWLIN RD INTERCHANGE	
TOTAL			37.00	37.00	4810.00	37.00	37.00		

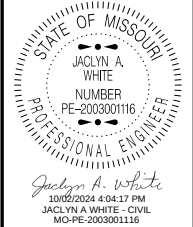
BASE MOUNTED CONTROL STATION					
INTERCHNAGE NUMBERS	LOG MILE	OFFSET	ROADWAY	TYPE 2 (PEDESTAL) 240/ 120 VOLT, T-4 CIRCUIT EA	REMARKS
5	14.937	283 RT.	I-470 WB	1	UPGRADE POWER SUPLLY (TYPE 2, PEDESTAL) AT I-470 & NE QUADRANT OF BLUE RIDGE BLVD
8	7.770	275.0 RT.	I-470 WB	1	UPGRADE POWER SUPPLY (TYPE 2, PEDESTAL) AT NW QUADRANT OF DOUGLAS STREET
8	9.275	282.0 RT.	I-470 EB	1	UPGRADE POWER SUPPLY (TYPE 2, PEDESTAL) AT SW QUADRANT OF DOUGLAS STREET
9	14.164	469.0 RT.	I-470 EB	1	UPGRADE POWER SUPPLY (TYPE 2, PEDESTAL) AT-NW QUADRANT OF LAKEWOOD-BOWLIN ROAD
TOTAL				4.00	

REMOVAL OF IMPROVEMENT							
INTERCHANGE NUMBERS	STA.	OFFSET	ROADWAY	LOCATIONS	QUANTITIES	UNITS	REMARKS
5	14.937	283 RT.	I-470 WB	NE QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. TYPE 1 (POLE) POWER SUPPLY
5	14.945	187 RT.	I-470 WB	NE QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. LIGHTING POLE (EX.LP-5)
5	14.975	105 RT.	I-470 WB	NW QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. LIGHTING POLE (EX.LP-6)
5	14.978	264 RT.	I-470 WB	NW QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. LIGHTING POLE (EX.LP-7)
5	14.975	380 RT.	I-470 WB	NW QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. LIGHTING POLES (EX.LP-8)
5	2.090	445 RT.	I-470 EB	SE QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. LIGHTING POLES (EX.LP-2)
5	2.095	254 RT.	I-470 EB	SE QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. LIGHTING POLES (EX.LP-3)
5	2.092	110 RT.	I-470 EB	SE QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. LIGHTING POLES (EX.LP-4)
5	2.055	192 RT.	I-470 EB	SW QUADRANT OF I-470 & BLUE RIDGE BLVD.	1	EA	REMOVE EX. LIGHTING POLE (EX.LP-1)
5	12.928	233 RT.	I-470 WB	NE QUADRANT OF I-470 & RAYTOWN ROAD	1	EA	REMOVE EX. LIGHTING POLE (EX.LP-3)
6	12.950	351 RT.	I-470 WB	NW QUADRANT OF I-470 & RAYTOWN ROAD	1	EA	REMOVE EX. LIGHTING POLE (EX.LP--4)
6	7.769	353 RT.	I-470 WB	NW QUADRANT OF I-470 AND DOUGLAS STREET	1	EA	REMOVE EX. TYPE 1 (POLE) POWER SUPPLY
8	9.266	434 RT.	I-470 EB	SW QUADRANT OF I-470 AND DOUGLAS STREET	1	EA	REMOVE EX. TYPE 1 (POLE) POWER SUPPLY
8	14.164	469.0 RT.	I-470 EB	NW QUADRANT OF I-470 & LAKEWOOD-BOWLIN ROAD	1	EA	REMOVE EX. TYPE 1 (POLE) POWER SUPPLY
TOTAL					1.00	LS	

MOBILIZATION
1 LUMP SUM

CLEARING & GRUBBING		
LOCATION	AREA ACRE	REMARKS
VARIOUS LOCATIONS IN JACKSON COUNTY	0.50	9 INTERCHANGE LOCATIONS IN JACKSON COUNTY
TOTAL	0.50	

SUMMARY OF QUANTITIES
SHEET 1 OF 6



DATE PREPARED
10/2/2024
ROUTE VARIOUS STATE MO
DISTRICT KC SHEET NO. 3

COUNTY JACKSON
JOB NO. JKU0116
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	
10/2/2024	
ROUTE	STATE
VARIOUS	MO
DISTRICT	SHEET NO.
KC	3
COUNTY	
JACKSON	
JOB NO.	
JKU0116	
CONTRACT ID.	

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SUMMARY OF QUANTITIES
SHEET 3 OF 6

TEMPORARY EROSION CONTROL							
INTERCHANGE NUMBERS	BEG. LOG MILE	END LOG MILE	SILT FENCE LF	ROCK DITCH CHECK LF	SEDIMENT TRAP CY	SEDIMENT REMOVAL CY	REMARKS
1	19.775	20.33	3500	50.0	3.7	43.7	US50 EB & WB AT MO7 INTERSECTION
2	23.450	23.975	3400	0.0	0.0	34.0	US24 EB & WB AT MO7 INTERSECTION
3	20.400	20.67	1500	10.0	1.5	17.5	I-70 EB AT MO7 INTERSECTION (SE QUADRANT)
4	37.145	37.330	950	0.0	0.0	9.5	I-435 SB AT FRONT STREET INTERSECTION-ON RAMP
5	1.780	2.350	1250	0.0	0.0	12.5	I-470 EB AT BLUE RIDGE BLVD. INTERSECTION
6	14.740	15.795	6700	0.0	0.0	67.0	I-470 WB AT BLUE RIDGE BLVD. INTERSECTION
7	3.715	4.430	6450	0.0	0.0	64.5	I-470 EB & WB AT RAYTOWN RD INTERSECTION
8	5.050	5.700	2200	30.0	1.5	26.5	I-470 EB & WB AT VIEW HIGH DR INTERSECTION
9	8.890	9.620	5300	0.0	0.0	53.0	I-470 EB & WB AT VIEW DOUGLAS ST. INTERSECTION
10	13.835	14.500	4500	0.0	0.0	45.0	I-470 EB & WB AT LAKEWOOD & BOWLIN INTERSECTION
TOTAL			35750.00	90.00	6.70	373.20	
TOTAL			35750.00	90.00	6.70	374.00	

SEEDING					
INTERCHANGE NUMBERS	BEG. LOG MILE	END LOG MILE	SEEDING COOL SEASON GRASSES ACRE	MULCHING ACRE	REMARKS
1	19.775	20.33	0.20	0.20	US50 EB & WB AT MO7 INTERSECTION
2	23.450	23.975	0.19	0.19	US24 EB & WB AT MO7 INTERSECTION
3	20.400	20.67	0.10	0.10	I-70 EB AT MO7 INTERSECTION (SE QUADRANT)
4	37.145	37.330	0.06	0.06	I-4435 SB AT FRONT STREET INTERSECTION
5	1.780	2.350	0.07	0.07	I-470 EB AT BLUE RIDGE BLVD. INTERSECTION
6	14.740	15.795	0.35	0.35	I-470 WB AT BLUE RIDGE BLVD. INTERSECTION
7	3.715	4.430	0.41	0.41	I-470 EB & WB AT RAYTOWN RD INTERSECTION
8	5.050	5.700	0.15	0.15	I-470 EB & WB AT VIEW HIGH DR INTERSECTION
9	8.890	9.620	0.34	0.34	I-470 EB & WB AT VIEW DOUGLAS ST. INTERSECTION
10	13.835	14.500	0.28	0.28	I-470 EB & WB AT LAKEWOOD & BOWLIN INTERSECTION
TOTAL			2.15	2.15	
TOTAL			2.20	2.20	

STATE OF MISSOURI

JACLYN A. WHITE

NUMBER
PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White
10/02/2024 4:07:02 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
10/2/2024

ROUTE
VARIOUS

DISTRICT
KC

COUNTY
JACKSON

STATE
MO

SHEET NO.
3

JOB NO.
JKU0116

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)

EFFECTIVE: 04-01-2024															
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								
	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NUM.								
WARNING SIGNS								DESCRIPTION							
W01-1L	48X48	16.00						TURN (SYMBOL LEFT)							
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT)							
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT)							
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT)							
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)							
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)							
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)							
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)							
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)							
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)							
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)							
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)							
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)							
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)							
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)							
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)							
W01-8	18X24	3.00						CHEVRON (SYMBOL)							
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)							
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)							
W03-2	48X48	16.00						YIELD AHEAD (SYMBOL)							
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)							
W03-4	48X48	16.00						BE PREPARED TO STOP							
W03-5	48X48	16.00						SPEED LIMIT AHEAD							
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)							
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)							
W04-1aL	48X48	16.00						MERGE (LEFT)							
W04-1aR	48X48	16.00						MERGE (RIGHT)							
W05-1	48X48	16.00	4	64				ROAD/BRIDGE/RAMP NARROWS							
W05-3	48X48	16.00						ONE LANE BRIDGE							
W05-5	48X48	16.00						NARROW LANES							
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)							
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)							
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)							
W07-3a	30X24	5.00						NEXT XX MILES (PLAQUE)							
W08-1	48X48	16.00						BUMP							
W08-2	48X48	16.00						DIP							
W08-3	48X48	16.00						PAVEMENT ENDS							
W08-4	48X48	16.00						SOFT SHOULDER							
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)							
W08-6	48X48	16.00						TRUCK CROSSING							
W08-6c	48X48	16.00						TRUCK ENTRANCE							
W08-7	36X36	9.00						LOOSE GRAVEL							
W08-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL							
W08-9	48X48	16.00						LOW SHOULDER							
W08-11	48X48	16.00						UNEVEN LANES							
W08-12	48X48	16.00						NO CENTER LINE							
W08-15	48X48	16.00						GROOVED PAVEMENT							
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)							
W08-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)							
W08-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)							
W08-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)							
W10-1	42RND.	9.62						RAILROAD CROSSING							
W012-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)							
W012-2	48X48	16.00						LOW CLEARANCE (SYMBOL)							
W012-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)							
W012-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)							
W012-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD							
W012-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD							
W013-1	30X30	6.25	4	25				ADVISORY SPEED (PLAQUE)							
W016-2	30X24	5.00						XXX FEET (PLAQUE)							
W016-3	30X24	5.00						X MILE (PLAQUE)							
W020-1	48X48	16.00	4	64				ROAD/BRIDGE/RAMP WORK AHEAD							
W020-2	48X48	16.00						DETOUR AHEAD							
W020-3	48X48	16.00						ROAD CLOSED AHEAD							
W020-4	48X48	16.00						ONE LANE ROAD AHEAD							
W020-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD							
W020-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD							
W020-6a	48X48	16.00	4	64				RIGHT/CENTER/LEFT LANE CLOSED							
W020-7a	48X48	16.00						FLAGGER (SYMBOL)							
W021-2	36X36	9.00						FRESH OIL							
W021-5	48X48	16.00	8	128				SHOULDER WORK / SHOULDER WORK AHEAD							
W022-1	48X48	16.00						BLASTING ZONE AHEAD							
W022-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE							
W022-3	42X36	10.50						END BLASTING ZONE							
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)							

SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								
	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NUM.								
GUIDE SIGNS								DESCRIPTION							
E05-1	36X48	12.00						GORE EXIT							
E05-2	48X36	12.00						EXIT OPEN							
E05-2a	48X36	12.00						EXIT CLOSED							
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES							
GO20-2	48X24	8.00						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	10	60				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	2	13.86				YIELD							
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)							
R1-3P	30X12	2.50						ALL WAY (PLAQUE)							
R2-1	36X48	12.00	10	120				SPEED LIMIT XX							
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						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						ONE WAY ARROW (LEFT)							
R6-1R	54X18	6.75						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	4	8				SIDEWALK CLOSED							
R9-11L	24X18	3.00	2	6				SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE							
R9-11R	24X18	3.00	2	6				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE							
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)							
R11-2	48X30	10.00						ROAD CLOSED							
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD							
R11-4	60X30	12.50						LOCAL TRAFFIC ONLY							
CONST-3A	60X48	20.00						ROAD CLOSED TO THRU TRAFFIC							
CONST-3X	56X12	4.67						FINE SIGN							
								SPEEDING/PASSING (PLATE)							
MISCELLANEOUS SIGNS															
CONST-5	48X36	12.00						POINT OF PRESENCE							
CONST-5	96X48	32.00						POINT OF PRESENCE							
CONST-7	48X24	8.00						RATE OUR WORK ZONE							
CONST-7	72X36	18.00						RATE OUR WORK ZONE							
CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE							

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

TRAFFIC CONTROL LEGEND

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

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 (L) (3)			MINIMUM SHOULDER TAPER LENGTH (T1) BASED ON 10 ' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
						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'

EPG TABLE 616.12 RECOMMENDED MAXIMUM SPEED REDUCTIONS	
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

LEGEND NOTE:
THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

 SIGN (SINGLE SIDED)

 FLAGGER

 CHANNELIZER

 PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW PANEL AND REAR-MOUNTED IMPACT ATTENUATOR UNIT.

 FLASHING ARROW PANEL

 CHANGEABLE MESSAGE BOARD

 BARRICADE

 TUBULAR MARKERS

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

DETAILS NOTES:

- (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

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

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

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

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

GENERAL NOTES:

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

SPACING
TEMPORARY
TRAFFIC CONTROL
SHEET 1 OF 6

STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White

08/06/2024 4:12:24 PM

JACLYN A WHITE - CIVIL

MO-PE-2003001116

DATE PREPARED

8/6/2024

ROUTE

VARIOUS

DISTRICT

KC

STATE

MO

SHEET NO.

4

COUNTY

JACKSON

JOB NO.

JKU0116

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

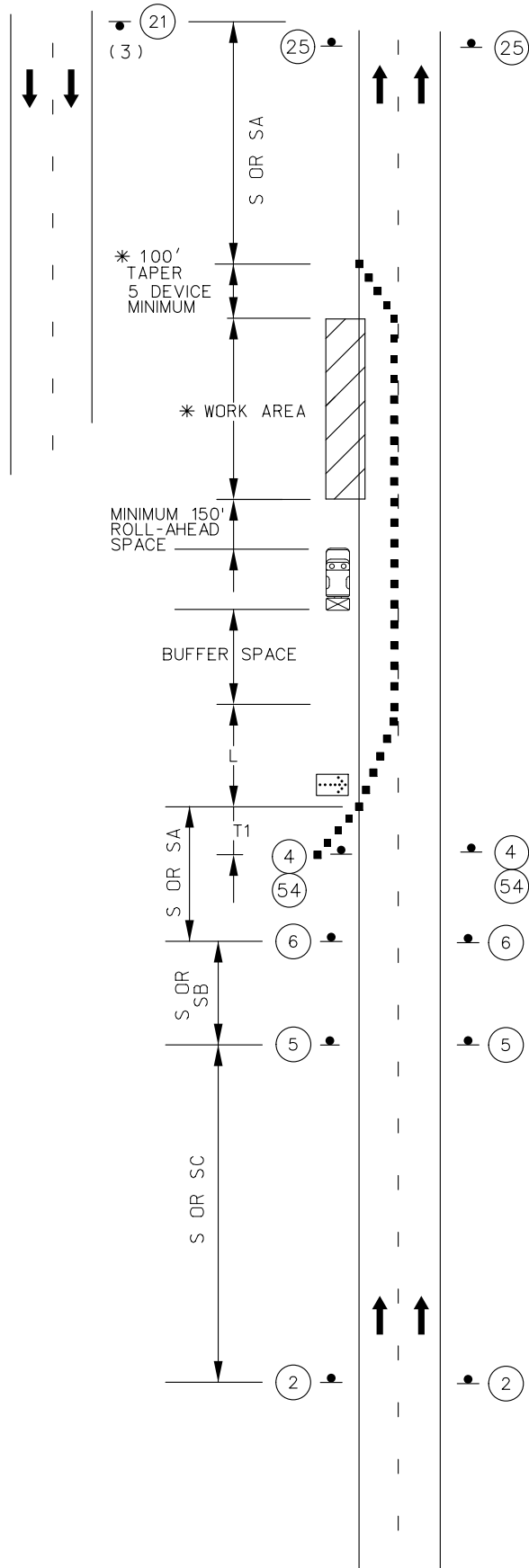
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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





DIVIDED HIGHWAY SHOULDER WORK
WHEN LANE CLOSURE IS REQUIRED



W020-1
(2)

BRIDGE
OR
RAMP



W020-5
(5)

OR
LEFT LANE



W020-6a
(6)

OR
LEFT



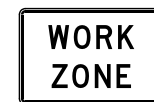
W021-5b
(21)



R2-1
(4)



R2-1
(25)



G020-5aP
(54)

* EXTEND CHANNELIZERS
ACROSS BRIDGE AND TAPER
BEYOND THE BRIDGE

ADVANCE WARNING RAIL SYSTEM



LEFT SIDE
OF ROAD



RIGHT SIDE
OF ROAD

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). IF WORK AREA IS WITHIN 15' OF SHOULDER

SHOULDER WORK
LANE CLOSURE
TEMPORARY
TRAFFIC CONTROL
SHEET 3 OF 6

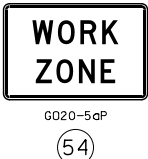
STATE OF MISSOURI JACLYN A. WHITE NUMBER PE-2003001116 PROFESSIONAL ENGINEER <i>Jaclyn A. White</i> 08/06/2024 4:13:27 PM JACLYN A. WHITE - CIVIL MO-PE-2003001116	
DATE PREPARED 8/6/2024	
ROUTE VARIOUS	STATE MO
DISTRICT KC	SHEET NO. 6
COUNTY JACKSON	
JOB NO. JKU0116	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

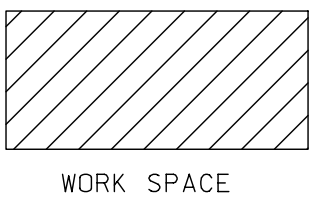
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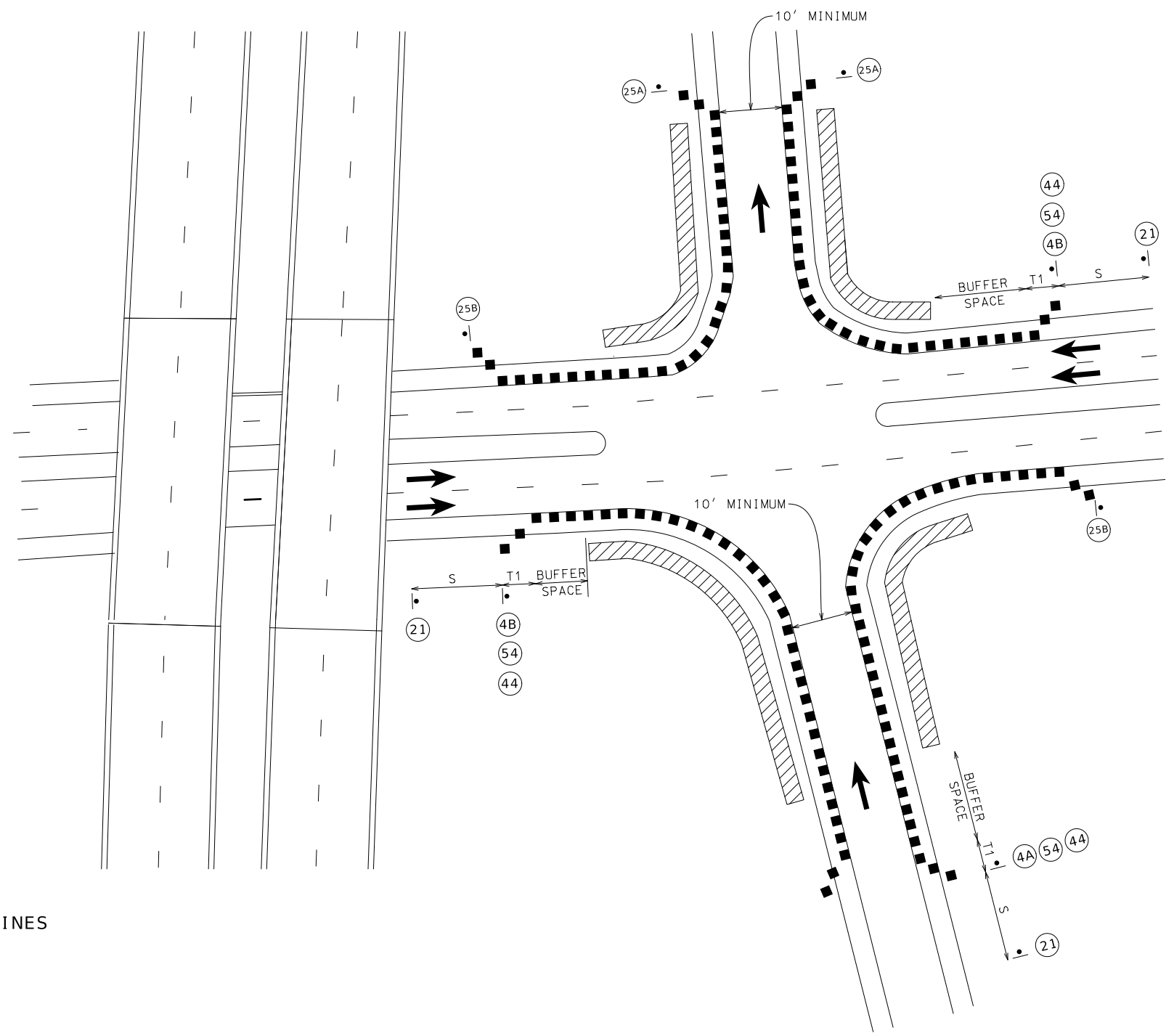
BRIDGE
OR
RAMP



■■■■■
CHANNELIZERS



- 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. BUFFER SPACING MAY BE ADJUSTED TO FIT THE SPECIFIC SITUATION



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White
08/06/2024 4:34:21 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED

8/6/2024

STATE

MO

ROUTE

VARIOUS

DISTRICT

KC

SHEET NO.

8

COUNTY

JACKSON

JOB NO.

JKU0116

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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JEFFERSON CITY, MO 65102
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ADA COMPLIANT MOVEABLE BARRICADE

NOTES:
1. WARNING LIGHTS SHALL NOT BE ATTACHED TO ADA COMPLIANT BARRICADES
2. CHEVRON RAILS ON THE ADA COMPLIANT BARRICADES MUST BE 8" WIDE MINIMUM AND MEET TYPE-3 RETRO-REFLECTIVE SHEETING AND COLOR CONTRAST BARRICADE RAILS AS SHOWN. THE TOP RAIL MUST PROVIDE A SMOOTH CONTINUOUS RAIL SURFACE SUITABLE FOR HAND TRAILING WITH NO SPINTERS, BURRS OR SHARP EDGES. A MINIMUM OF TWO 8" WIDE RAILS REQUIRED.
3. NO TRIPPING HAZARDS FROM THE BARRICADES ARE ALLOWED WITH THE PEDESTRIAN SPACE. THIS MEANS NO FEET OR BARS USED TO HOLD THE RAILS OR SUPPORT THE DEVICE ARE ALLOWED WITHIN THE WALKWAY. ALL FEET AND BALLAST WILL NEED TO BE BEHIND THE DEVICE.
4. THE BARRICADE MUST BE THE FULL WIDTH OF THE CLOSED SIDEWALK.

WORK SPACE

SIDEWALK
CLOSED

SIDEWALK CLOSED
AHEAD
CROSS HERE

SIDEWALK CLOSED
AHEAD
CROSS HERE

R9-9

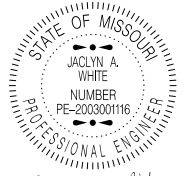
R9-11R

R9-11L

62

60

61



Jaclyn A. White
08/06/2024 4:14:46 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
8/6/2024

ROUTE STATE
VARIOUS MO

DISTRICT SHEET NO.
KC 9

COUNTY
JACKSON

JOB NO.
JKU0116

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

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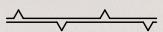
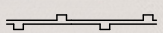
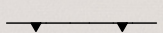
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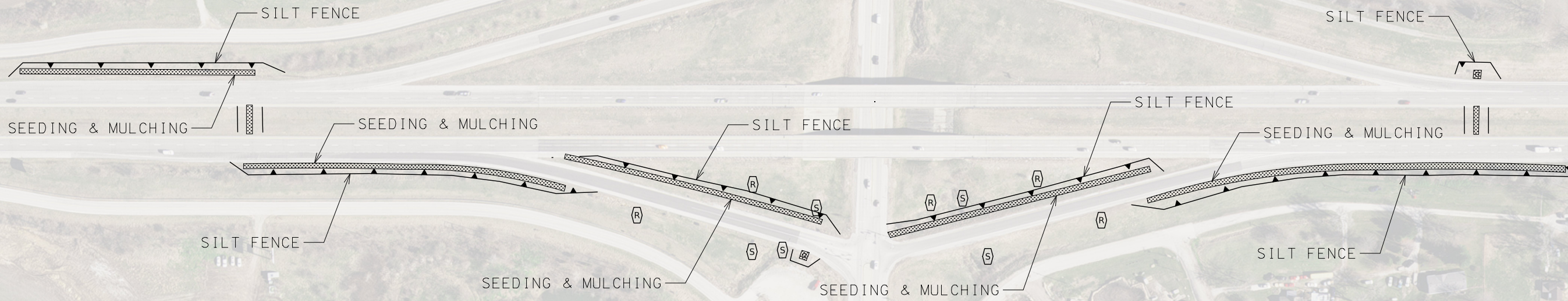
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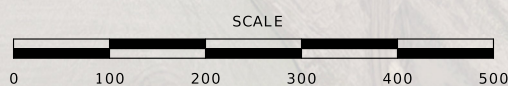
- NOTES:
1. SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
 2. SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS
 3. ONLY THE TEMPORARY TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN AND OTHER DEVICES MAY BE NECESSARY TO CONTROL TRAFFIC. SEE OTHER TRAFFIC CONTROL SHEETS.

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
-  SEEDING-COOL SEASON GRASSES
AND MULCHING



NOTE:
REFER STANDARD PLAN 806.10K FOR
MINIMUM DITCH CHECK SPACING





DATE PREPARED
8/6/2024

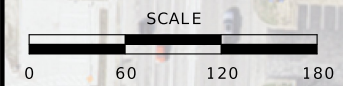
ROUTE	STATE
VARIOUS	MO
DISTRICT	SHEET NO.
KC	10
COUNTY	
JACKSON	
JOB NO.	
JKU0116	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White

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JACLYN A. WHITE - CIVIL

MO-PE-2003001116

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ROUTE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

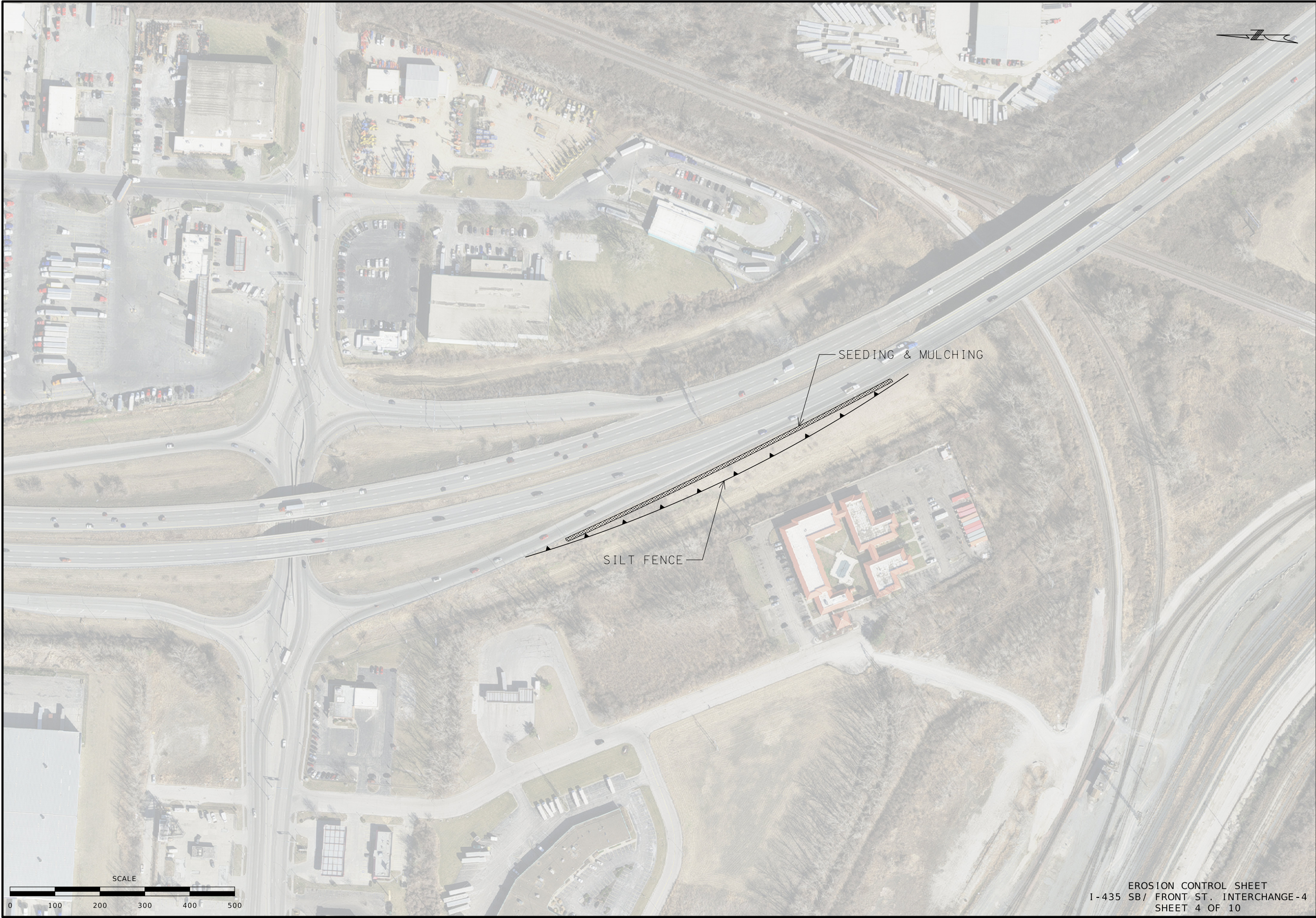
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MODOT

EROSION CONTROL SHEET

I-70 & MO7 INTERCHANGE-3

SHEET 3 OF 10



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

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MO-PE-2003001116

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ROUTE

VARIOUS

STATE

MO

DISTRICT

KC

SHEET NO.

13

COUNTY

JACKSON

JOB NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MODOT

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

EROSION CONTROL SHEET
I-435 SB/ FRONT ST. INTERCHANGE-4
SHEET 4 OF 10



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER
PE-2003001116

PROFESSIONAL ENGINEER

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JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
8/6/2024

ROUTE
VARIOUS

DISTRICT
KC

STATE
MO

SHEET NO.
14

COUNTY
JACKSON

JOB NO.
JKU0116

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 SHEET
I-470/ BLUE RIDGE BLVD. (EASTSIDE)
INTERCHANGE-5
SHEET 5 OF 10



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White

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JACLYN A. WHITE - CIVIL

MO-PE-2003001116

DATE PREPARED

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ROUTE

VARIOUS

DISTRICT

KC

STATE

MO

SHEET NO.

15

COUNTY

JACKSON

JOB NO.

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CONTRACT ID.

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BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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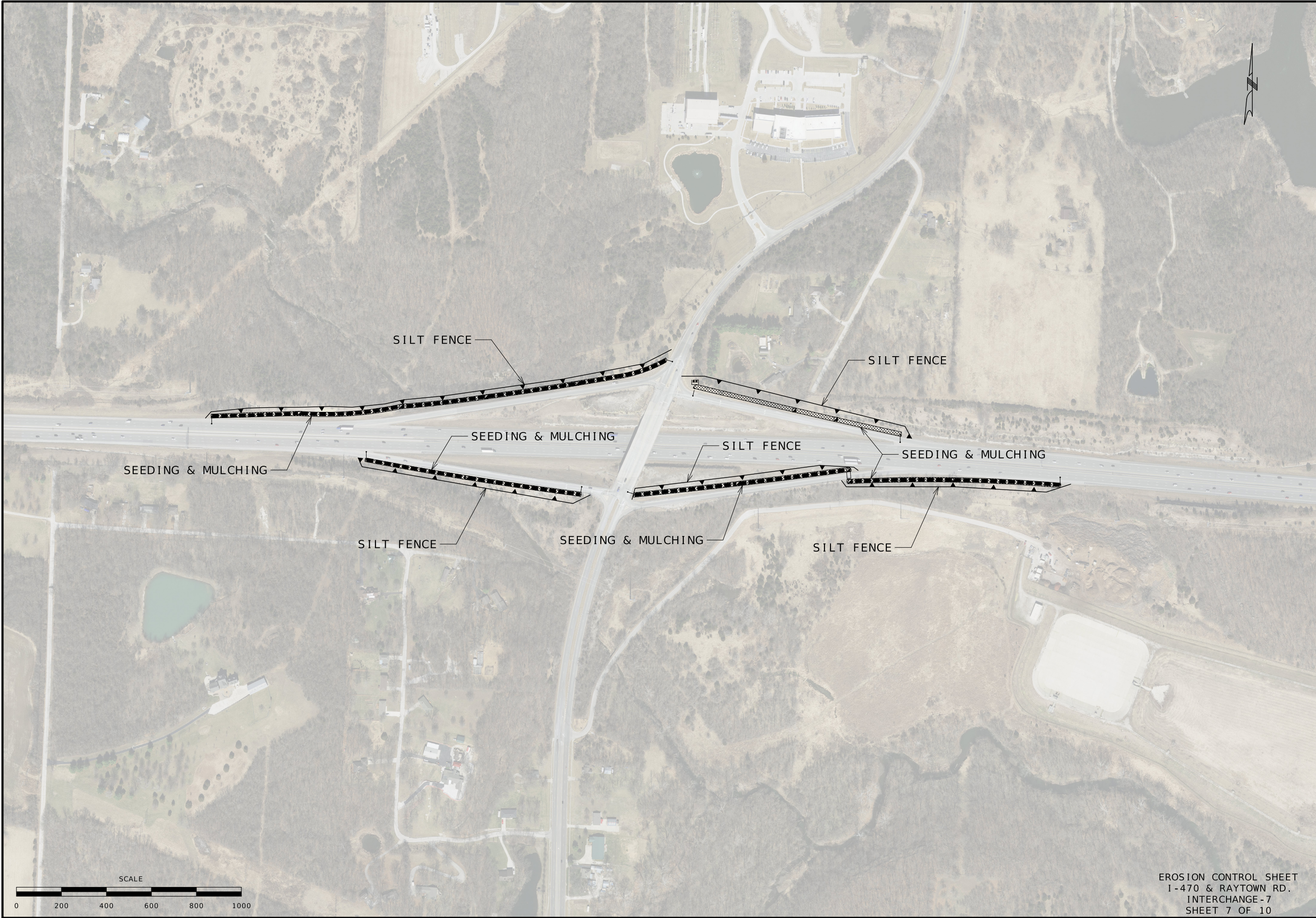
MoDOT

EROSION CONTROL SHEET

I-470 / BLUE RIDGE BLVD. (WESTSIDE)

INTERCHANGE-6

SHEET 6 OF 10



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White
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JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
8/6/2024

ROUTE

VARIOUS

DISTRICT

KC

STATE

MO

SHEET NO.

16

COUNTY
JACKSON

JOB NO.
JKU0116

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)

EROSION CONTROL SHEET
I-470 & RAYTOWN RD.
INTERCHANGE-7
SHEET 7 OF 10



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White

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JACLYN A WHITE - CIVIL

MO-PE-2003001116

DATE PREPARED

8/6/2024

ROUTE

VARIOUS

STATE

MO

DISTRICT

KC

SHEET NO.

18

COUNTY

JACKSON

JOB NO.

JKU0116

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 SHEET
I-470 & DOUGLAS ST.
INTERCHANGE-9
SHEET 9 OF 10



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White
08/06/2024 4:19:41 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
8/6/2024

ROUTE

STATE

VARIOUS

MO

DISTRICT

SHEET NO.

KC

19

COUNTY
JACKSON

JOB NO.
JKU0116

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

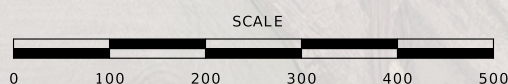
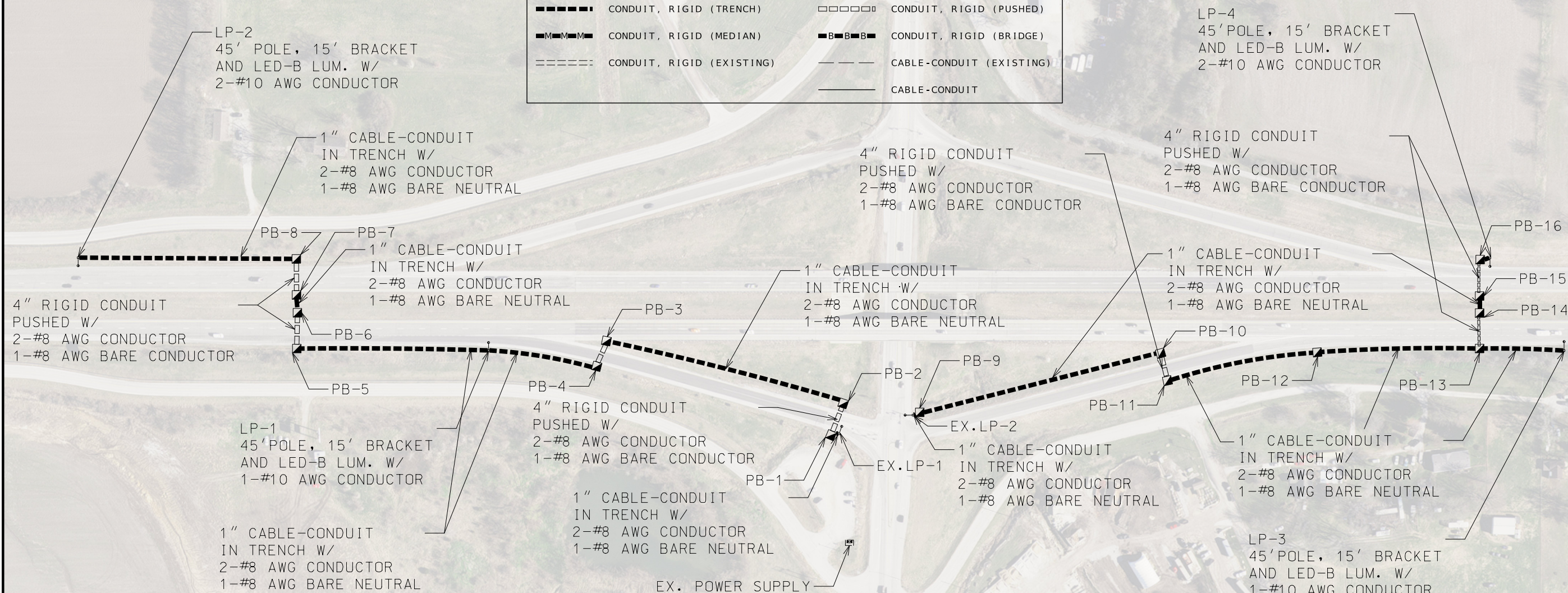
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

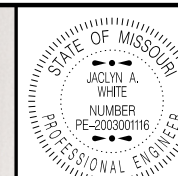
EROSION CONTROL SHEET
I-470-LAKEWOOD/ BOWLIN RD.
INTERCHANGE-10
SHEET 10 OF 10

1. LIP ALL EXISITNG PULL BOXES
2. CABLE-CONDUIT, 1 IN, UNDERGROUND RATED WIRE SHALL BE USED

	CONTROLLER, LIGHTING		LED-A LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		LED-B LUMINAIRE
	WOOD POST		LED-C LUMINAIRE
	POWER SUPPLY		P.S. POWER SOURCE
	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
	CONDUIT, RIGID (MEDIAN)		CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
			CABLE-CONDUIT



LIGHTING SHEET
US50 & MO7 INTERCHANGE-1
SHEET 1 OF 10



Jaclyn A. White
08/06/2024 4:20:10 PM
JACLYN A WHITE - CIVIL
MO DE 2000001116

DATE PREPARED
8/6/2024

ROUTE	STATE
VAR IOLIS	MO

DISTRICT	SHEET NO.
KC	30

RC	20
COUNTY	
JACKSON	

JACKSON
JOB NO.
IKU0116

JK00116
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

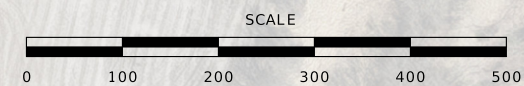
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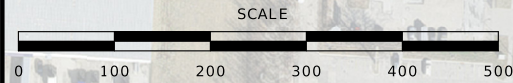
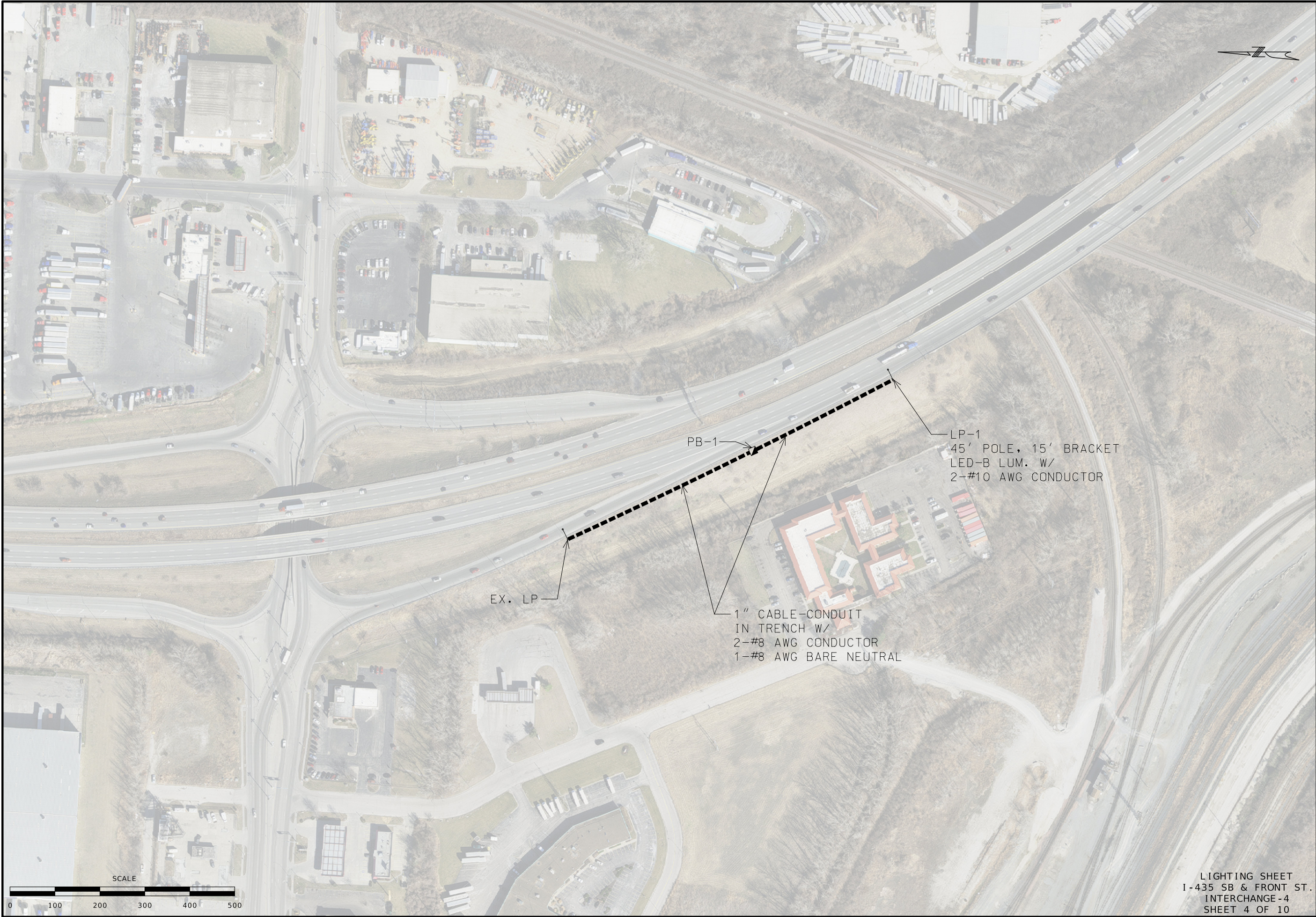
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102







LIGHTING SHEET
I-435 SB & FRONT ST.
INTERCHANGE-4
SHEET 4 OF 10

STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White

08/06/2024 4:21:35 PM

JACLYN A. WHITE - CIVIL

MO-PE-2003001116

DATE PREPARED

8/6/2024

ROUTE

VARIOUS

STATE

MO

DISTRICT

KC

SHEET NO.

23

COUNTY

JACKSON

JOB NO.

JKU0116

CONTRACT ID.

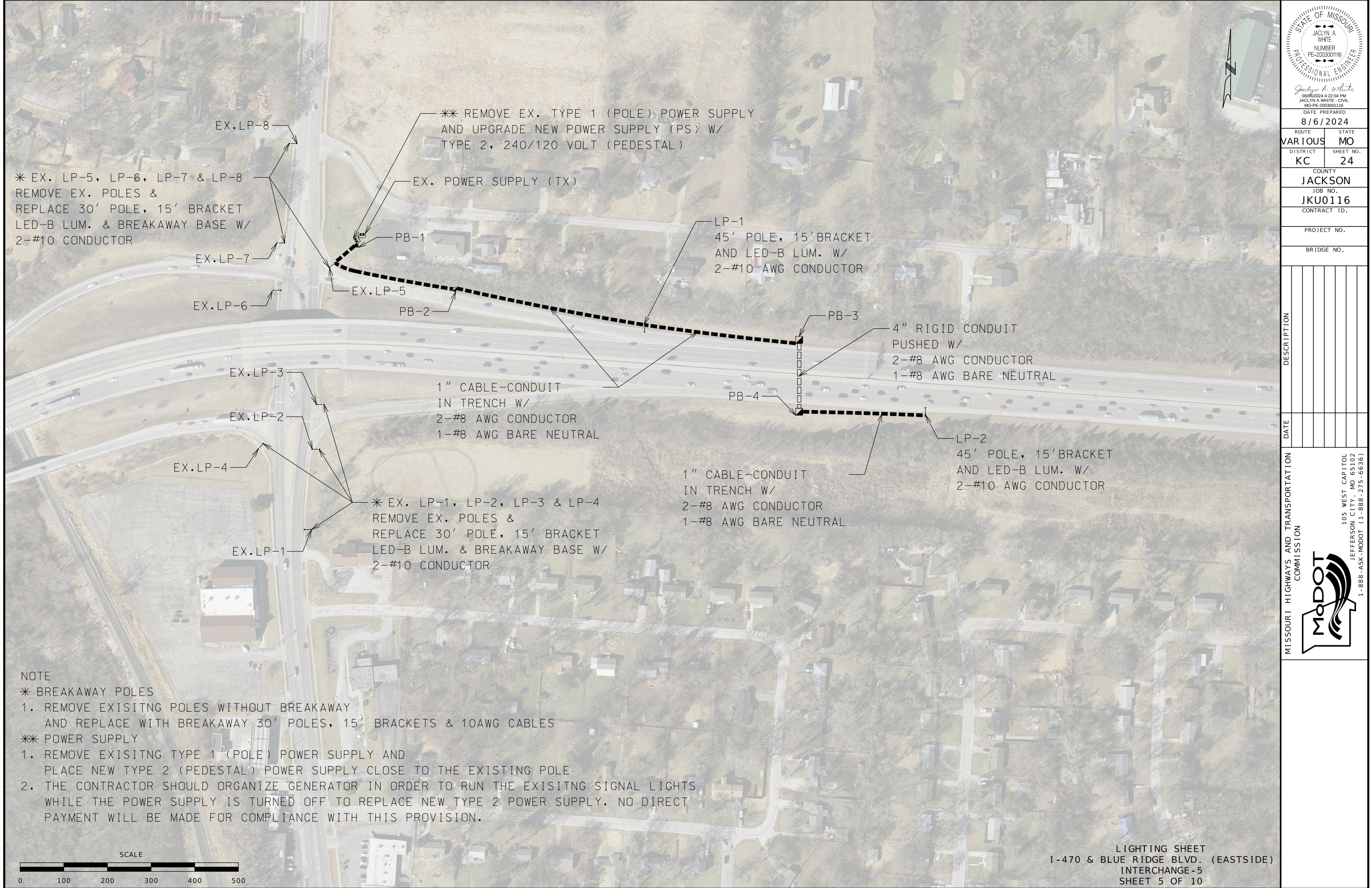
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



NOTE

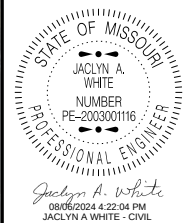
* BREAKAWAY POLES

1. REMOVE EXISITNG POLES WITHOUT BREAKAWAY AND REPLACE WITH BREAKAWAY 30' POLES, 15' BRACKETS & 10AWG CABLES

** POWER SUPPLY

1. REMOVE EXISITNG TYPE 1 (POLE) POWER SUPPLY AND PLACE NEW TYPE 2 (PEDESTAL) POWER SUPPLY CLOSE TO THE EXISTING POLE

2. THE CONTRACTOR SHOULD ORGANIZE GENERATOR IN ORDER TO RUN THE EXISITNG SIGNAL LIGHTS WHILE THE POWER SUPPLY IS TURNED OFF TO REPLACE NEW TYPE 2 POWER SUPPLY. NO DIRECT PAYMENT WILL BE MADE FOR COMPLIANCE WITH THIS PROVISION.

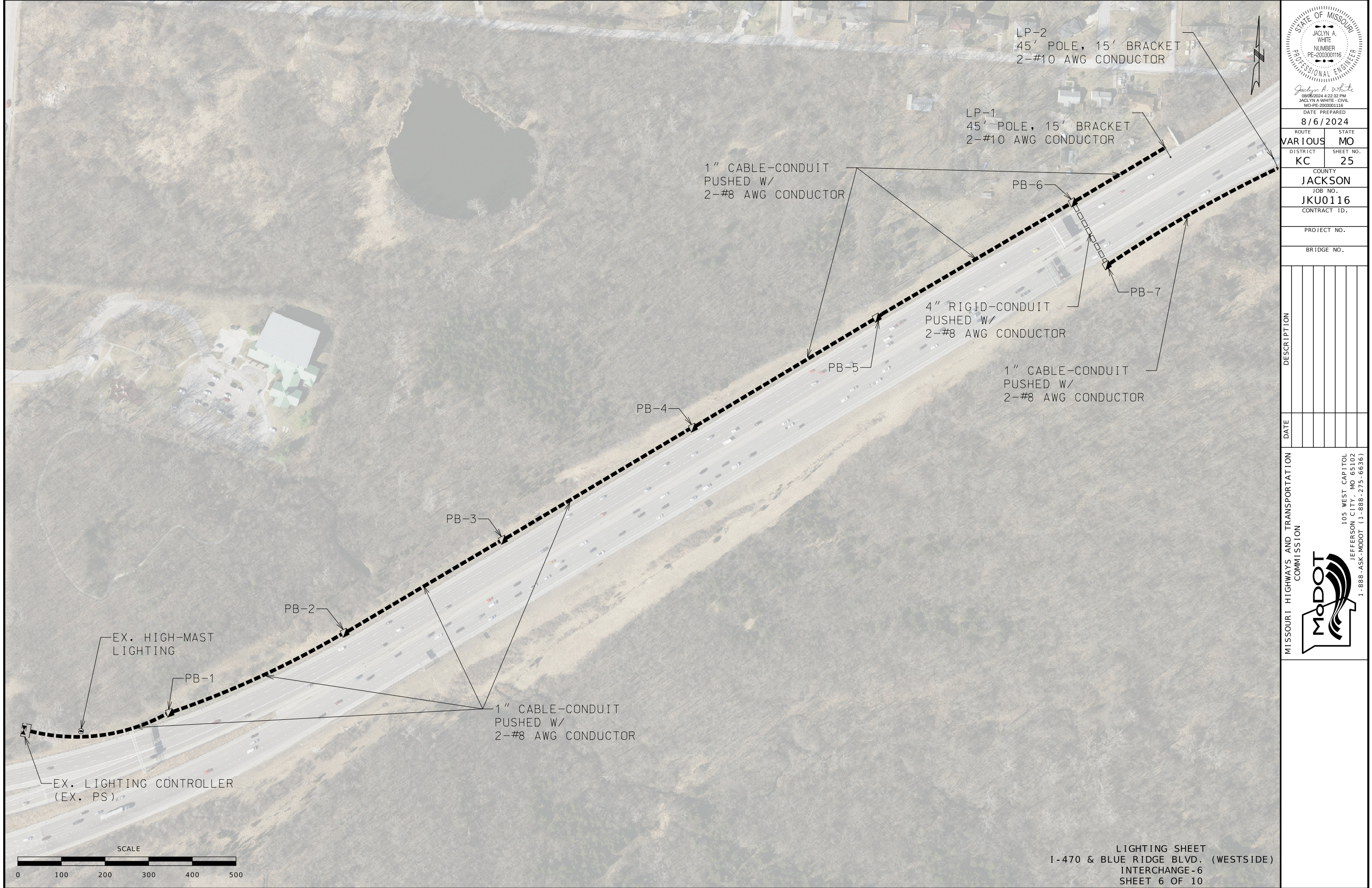


DATE PREPARED		8/6/2024
ROUTE	STATE	VARIOUS MO
DISTRICT	SHEET NO.	KC 24
COUNTY		JACKSON
JOB NO.		JKU0116
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
8/6/2024

ROUTE STATE
VARIOUS MO

DISTRICT SHEET NO.
KC 25

COUNTY
JACKSON

JOB NO.
JKU0116

CONTRACT ID.

PROJECT NO.

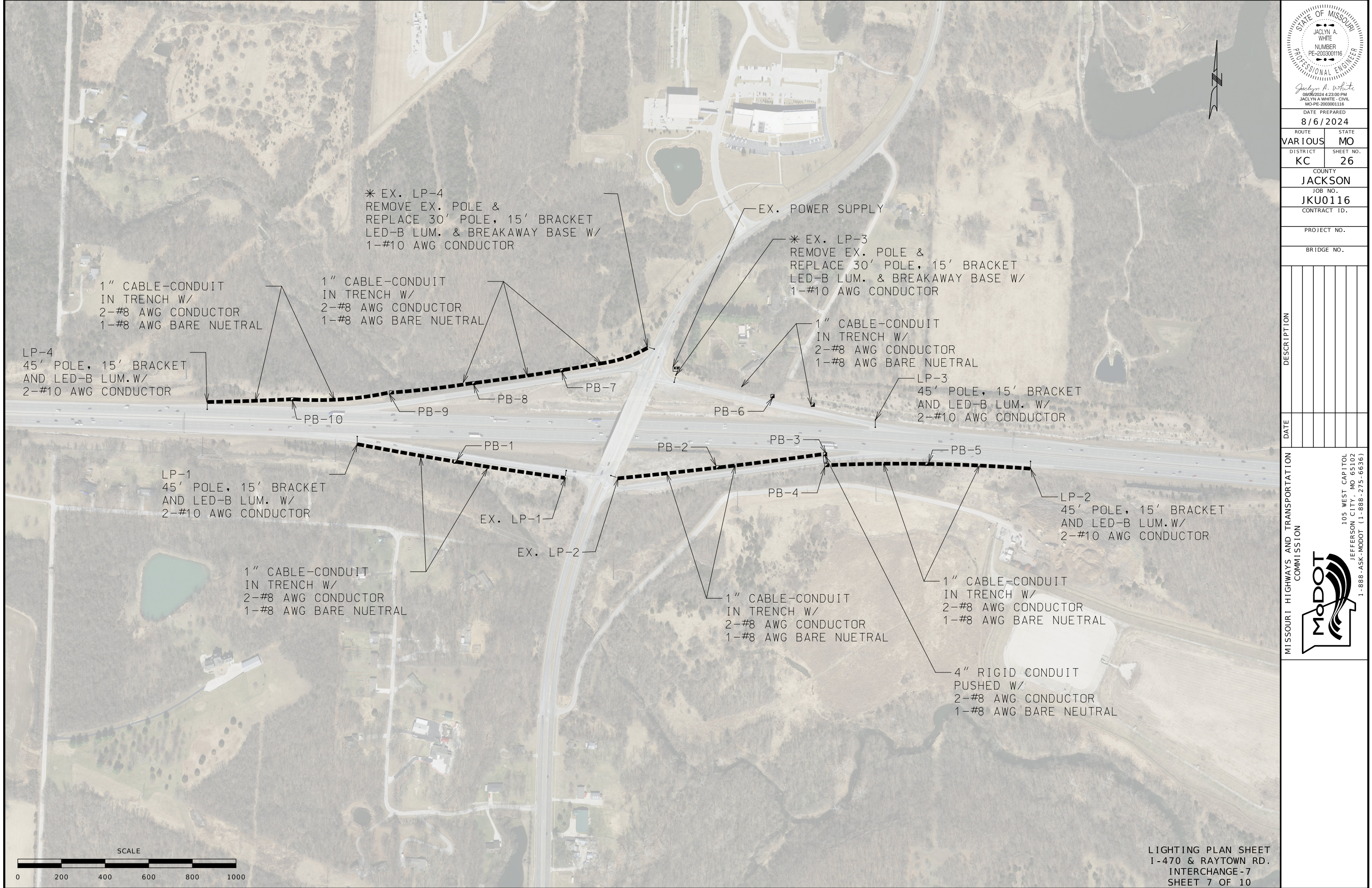
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White
08/06/2024 4:23:00 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED	
8/6/2024	
ROUTE	STATE
VARIOUS	MO
DISTRICT	SHEET NO.
KC	26
COUNTY	
JACKSON	
JOB NO.	
JKU0116	
CONTRACT ID.	

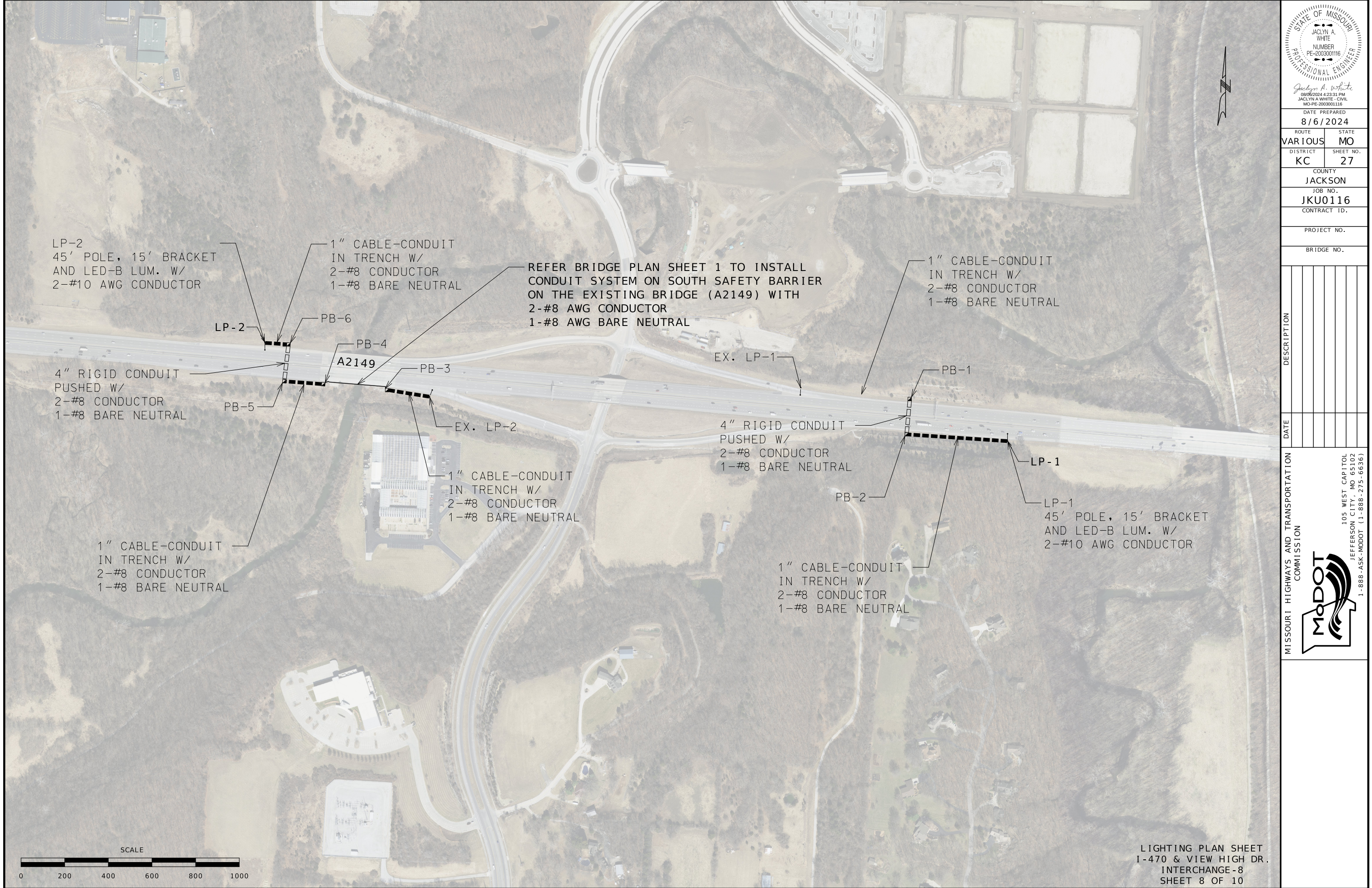
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



STATE OF MISSOURI

JACLYN A. WHITE

NUMBER

PE-2003001116

PROFESSIONAL ENGINEER

Jaclyn A. White
08/06/2024 4:23:31 PM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED		8/6/2024	
ROUTE	STATE	VARIOUS	MO
DISTRICT	SHEET NO.	KC	27
COUNTY			
JACKSON			
JOB NO.			
JKU0116			
CONTRACT ID.			

PROJECT NO.
BRIDGE NO.

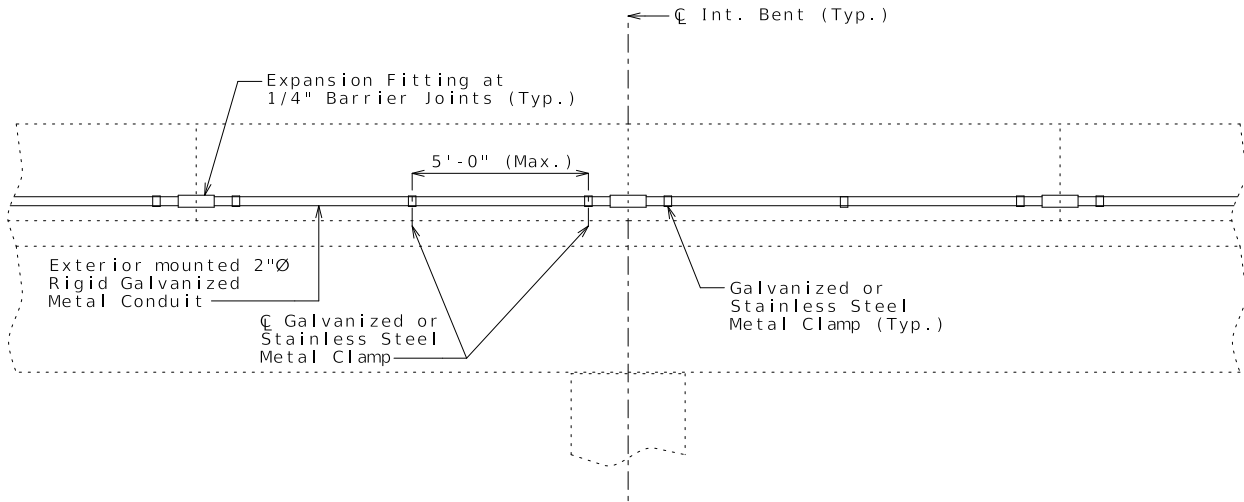
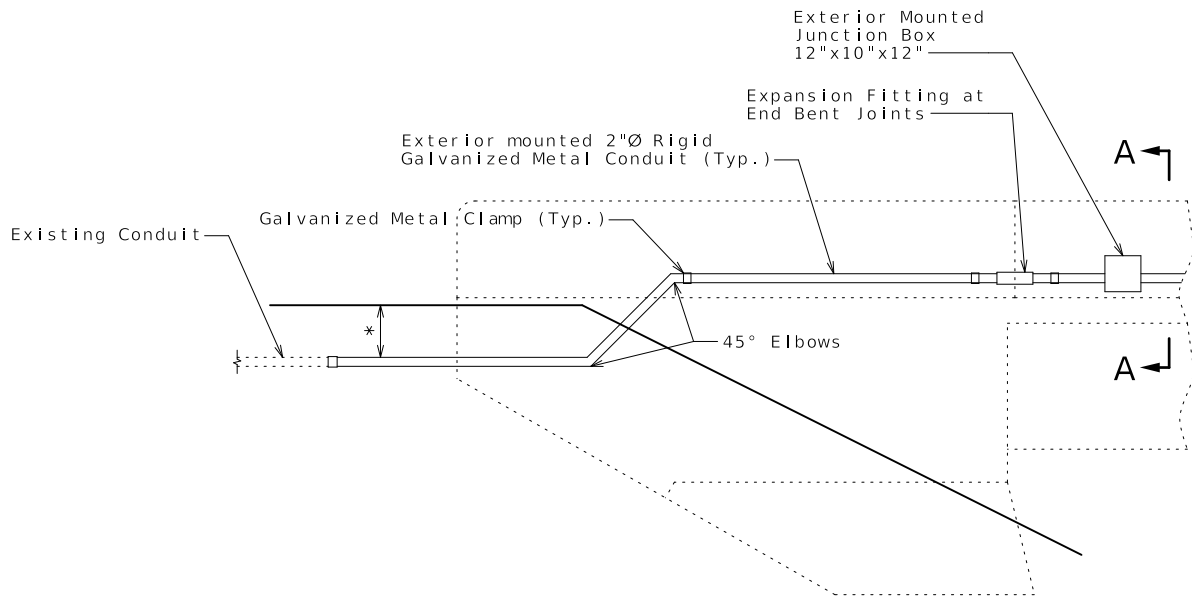
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



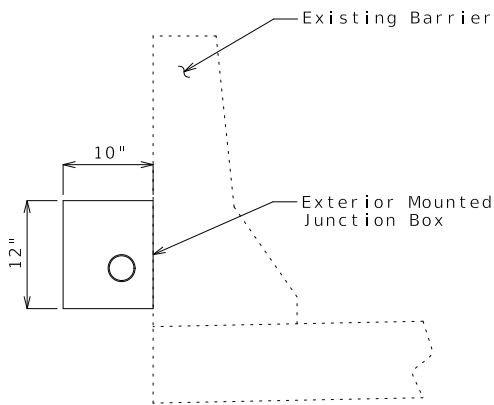
U.I.P. EXISTING (70'-92'-70') CONTINUOUS COMPOSITE PLATE GIRDER SPANS (SKEW: 12° L.A.)



PART ELEVATION OF CONDUIT SYSTEM
ON SOUTH SAFETY BARRIER

(End Bent No. 1 shown, End Bent No. 4 similar)

* 2'-0" Min. below ground line



PART SECTION A-A

Estimated Quantities		
Item		Total
Conduit System on Structure	Lump sum	1

Notes:

All exterior conduit not embedded in concrete shall be Rigid Steel Conduit, Zinc Coated and shall extend continuously to the existing underground conduit at the end of the bridge.

Expansion fittings shall be placed as shown and set in accordance with the manufacturer's requirements and based on the air temperature at the time of setting, given an estimated total expansion movement of 1" at filled joints, using a maximum temperature range of 150°F and a maximum temperature of 120°F.

Additional expansion fittings beyond what is specified on the bridge plans shall be provided and placed in accordance with the conduit manufacturer's recommendations.

Exterior mounted junction boxes shall be stainless steel water tight NEMA 4 Enclosures. The conduit terminations shall be permanent or separable. The terminations and covers shall be of water tight construction and shall meet requirements for NEMA 4 enclosure.

Weep holes for all conduit not encased in concrete shall be provided at low points or other critical locations to drain any moisture in the conduit system. Conduit shall be sloped to drain.

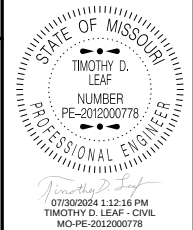
All conduits not encased in concrete shall be secured to concrete with stainless steel or galvanized metal clamps at about 5'-0" cts. Concrete anchors for clamps shall be in accordance with Federal Specification FF-S-325, Group II, Type 4, Class I and shall be galvanized in accordance with ASTM A153, B695-91 Class 50 or stainless steel. Minimum embedment in concrete shall be 1 3/4". The supplier shall furnish a manufacturer's certification that the concrete anchors meet the required material and galvanizing specifications.

Final location of junction boxes shall be determined by the Engineer.

Payment for furnishing and installing Conduit System, complete-in-place, will be considered completely covered by the contract lump sum price for Conduit System on Structure.

REPAIRS TO BRIDGE: ROUTE I-470
OVER LITTLE BLUE RIVER

ROUTE I-470 FROM I-49 TO ROUTE 350
ABOUT 4.10 MILES EAST OF I-49
BEGINNING STATION 277+97.20± (MATCH EXISTING)



DATE PREPARED 7/30/2024	
ROUTE I - 470	STATE MO
DISTRICT BR	SHEET NO. 1
COUNTY JACKSON	
JOB NO. JKU0116	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A21493	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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