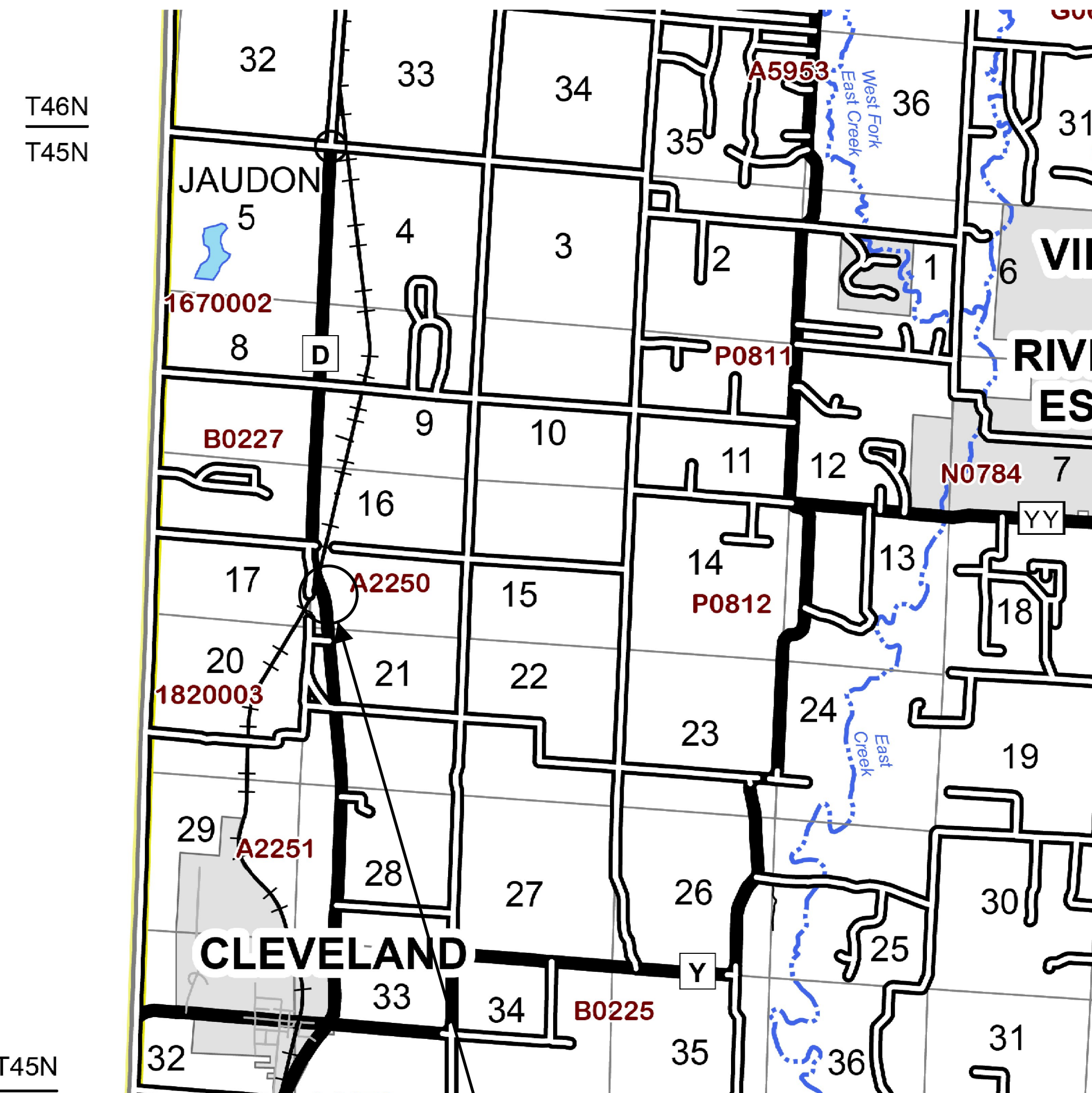


A.A.D.T. - 2026 = 3600
A.A.D.T. - 2046 = 4000
D.H.V. = 266
T = 6%
V = 55 M.P.H.

NO RIGHT OF WAY
ACQUIRED

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
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		
CHAIN LINK FENCE		
WOVEN WIRE FENCE		
GATE POST		
BENCHMARK		

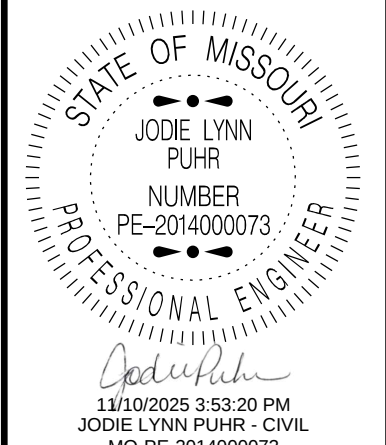
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
CASS COUNTY



PROJECT LOCATION:
SLIDE REPAIR ON ROUTE D
SOUTH OF KANSAS CITY RAILROAD (#A2250)
STATION 463+47.51-468+60.93

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) -----	2
QUANTITIES (QU) (2 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4
REFERENCE POINTS (RP)-----	5
COORDINATE POINTS (CP)-----	6
TRAFFIC CONTROL SHEETS (TC)-----	7-13
EROSION CONTROL SHEETS (EC)-----	14
CROSS SECTIONS (XS)-----	1-4



DATE PREPARED
11/10/2025

ROUTE D	STATE MO
DISTRICT KC	SHEET NO. 1

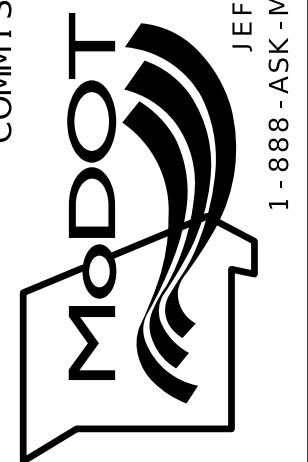
COUNTY
CASS

JOB NO.
JKU0144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

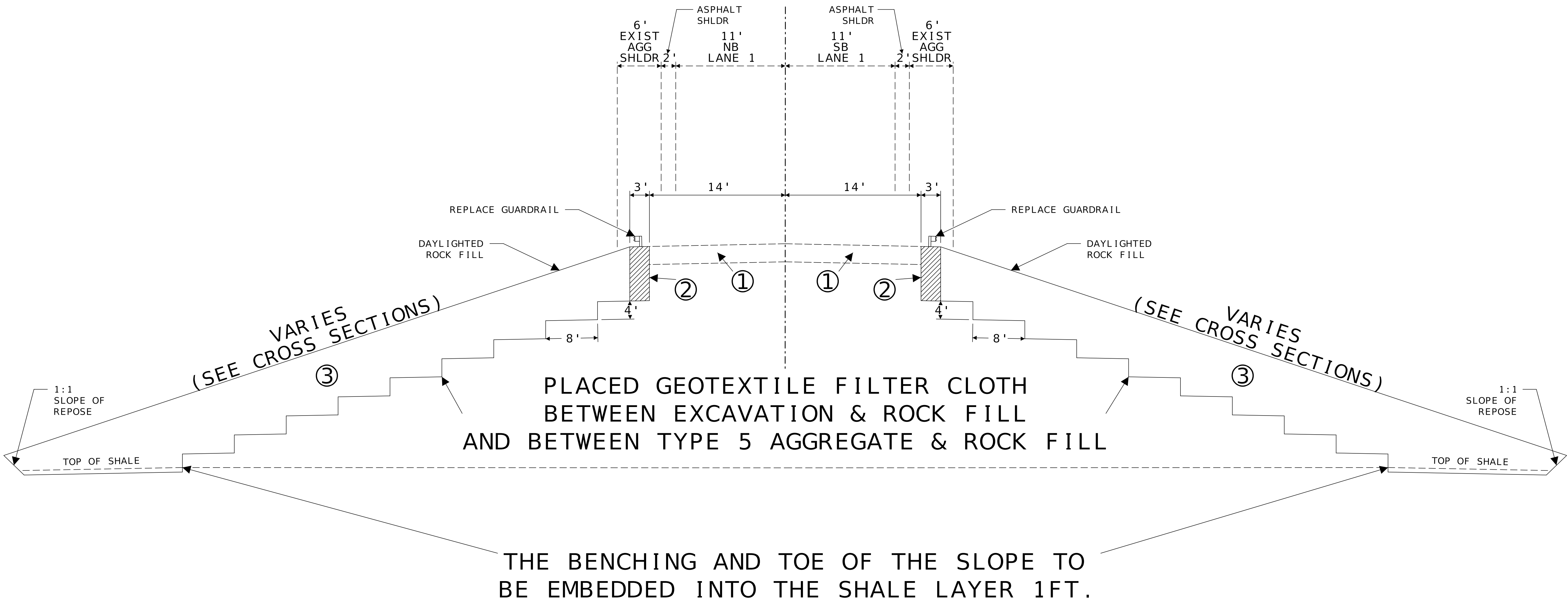
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

BEGINNING OF PROJECT	STATION 463+47.51
END OF PROJECT	STATION 468+60.93
APPARENT LENGTH	513.42 FEET
EQUATIONS AND EXCEPTIONS:	NO EXCEPTIONS

TOTAL CORRECTIONS	0	FEET
NET LENGTH OF PROJECT	513.42	FEET
STATE LENGTH	0.097	MILES
FOR INFORMATION ONLY		
ESTIMATED DISTURBED ACRES	2.374	ACRES

PROPOSED TYPICAL SECTION
OF SLIDE REPAIR

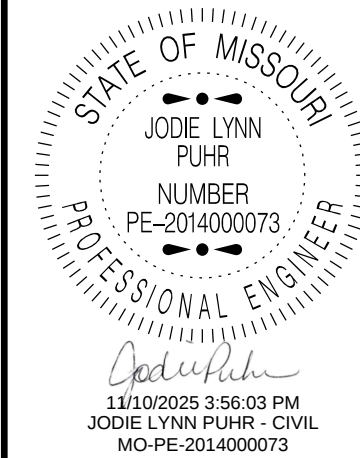
ROUTE D
CL



- ① - EXISTING PAVEMENT (DND)
- ② - 3' X 8' TYPE 5 AGGREGATE BASE
- ③ - ROCK FILL

ROUTE D
STA. 463+47.51-468+60.93
(NOT TO SCALE)

TYPICAL SHEET
SHEET 1 OF 1



DATE PREPARED 11/10/2025	
ROUTE D	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY CASS	
JOB NO. JKU0144	
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)

REMOVAL OF IMPROVEMENTS							
LOCATION	STATION FROM	STATION TO	OFFSET	ITEM DESCRIPTION	QUANTITY	UNIT	NOTE / REMARKS
NB ROUTE D	463+57.56	465+89.40	-19.52'	GUARDRAIL	233	LF	PAST SHOULDER
SB ROUTE D	464+08.61	465+52.67	19.80'	GUARDRAIL	145	LF	PAST SHOULDER
TOTALS				LUMP SUM	1.00		

AGGREGATE QUANTITIES					
HIGHWAY LOCATION	STATION FROM	STATION TO	LENGTH (LF)	TYPE 5 AGGREGATE FOR BASE (CY)	NOTES / REMARKS
☒ Route D	468+60.93	463+47.51	513	456.00	NORTHBOUND SIDE
☒ Route D	463+82.30	468+55.32	473	420.44	SOUTHBOUND SIDE
TOTAL				876	

EARTHWORK QUANTITIES							
LOCATION	STATION FROM	STATION TO	CLASS A EXCAVATION (CY)	FURNISHING ROCK FILL (CY)	PLACING ROCK FILL (CY)	SUBSURFACE DRAINAGE GEOTEXTILE (SY)	NOTE / REMARKS
ROUTE D	468+60.93	463+47.51	24911.07	24160.65	24160.65	5671.26	NORTHSIDE
ROUTE D	463+82.30	468+55.32	23288.44	22546.18	22546.18	5149.63	SOUTHSIDE
SUBTOTALS			48200	46707	46707	10821	
PAY TOTALS			48200	46707	46707	10821	

EROSION CONTROL										
LOCATION	STATION FROM	STATION TO	OFFSET FROM	OFFSET TO	LENGTH	SILT FENCE (LF)	ALTERNATE DITCH CHECK (LF)	SEDIMENT TRAP (CY)	SEDIMENT REMOVAL (CY)	NOTE / REMARKS
Route D	466+28.10		-121.89'				8		1	NORTH SIDE OF BOX CULVERT INLET (467+00.00)
Route D	466+42.95		-124.67'				8		1	
Route D	466+56.80		-129.75'				8		1	
Route D	466+71.14		-130.84'				8		1	
Route D	466+84.86		-127.24'				8		1	
Route D	467+05.29		-130.66'				8		1	SOUTH SIDE OF BOX CULVERT INLET (467+00.00)
Route D	467+19.99		-132.90'				8		1	
Route D	467+33.25		-134.52'				8		1	
Route D	467+45.67		-141.30'				8		1	
Route D	467+59.87		-141.19'				8		1	
Route D	468+61.29	463+40.03	-125.37'	-113.39'	524.25	524			5	NORTHBOUND, VARIES 20-50 FT AWAY FROM ROW
Route D	463+77.65	468+55.78	59.12'	121.62'	476.06	476			5	SOUTHBOUND VARIES 20-50FT AWAY FROM ROW
Route D	467+00.00		135.41'					1.25	10	SOUTHWEST OF ROUTE D
PAY TOTALS						1000	80	1.3	30	

GUARDRAIL QUANTITIES							
STATION FROM	STATION TO	LOCATION	MGS GUARDRAIL 8 FT POSTS 6'3" SPACING (LF)	(MASH) MGS TYPE A CRASHWORTHY END TERMINAL (EA)	MGS BRIDGE APPROACH TRANSITION SECTION (NO CURB) (EA)	SHAPING SLOPES CLASS 3 (100FT)	NOTE / REMARKS
463+40.58	469+29.59	NB	537.5	1	1	1	NORTHBOUND BEFORE BRIDGE #A2250
463+91.14	468+87.27	SB	450	1	1	1	SOUTHBOUND AFTER BRIDGE #A2250
TOTAL			988	2	2	2.0	

MOBILIZATION
1 LUMP SUM

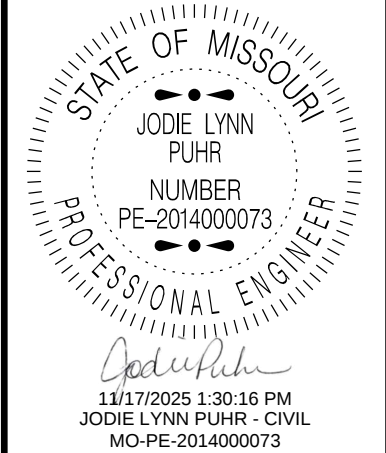
CONTRACTOR FURNISHED SURVEY & STAKING
1 LUMP SUM

CLEARING & GRUBBING
2.0 ACRE

ADDITIONAL MOBILIZATION FOR SEEDING
1 LUMP SUM

MULCHING
0.1 ACRE

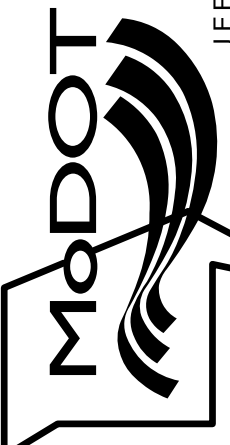
SUMMARY QUANTITIES
SHEET 1 OF 2



DATE PREPARED 11/17/2025	
ROUTE D	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CASS	
JOB NO. JKU0144	
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	SIZE	AREA	QTY	TOTAL AREA	RELOC	TOTAL RELOC	SIGN NUM.	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	RELOC	TOTAL RELOC	SIGN NUM.	DESCRIPTION	ITEM	TOTAL	EFFECTIVE: 07-01-2024
IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	DESCRIPTION	IN.		SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	DESCRIPTION	NUMBER	QTY		DESCRIPTION		
WARNING SIGNS									GUIDE SIGNS									6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00						END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)	6123001	2	TRUCK MOUNTED ATTENUATOR (TMA)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6161008		ADVANCED WARNING RAIL SYSTEM
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6161012		BUOYS (BOATS KEEP OUT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161013		BUOYS (NO WAKE)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161025	100	CHANNELIZER (TRIM LINE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161030		TYPE III MOVEABLE BARRICADE
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161033		DIRECTION INDICATOR BARRICADE
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161040	2	FLASHING ARROW PANEL
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161047		TYPE III OBJECT MARKER
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161070		TUBULAR MARKER
WO3-3	48X48	16.00	2	32.00				SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00						SPEED LIMIT XX	6161095		RADAR SPEED ADVISORY SYSTEM
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED	
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161098A	4	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
WO4-1aL	48X48	16.00						MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161099		INTERFACE- CONTRACTOR FURNISHED/RETAINED
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT			INTERFACE- CONTRACTOR FURNISHED/RETAINED
WO5-1	48X48	16.00	1	16.00				ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6173600D		TEMPORARY TRAFFIC BARRIER
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)			CONTRACTOR FURNISHED/RETAINED
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER			TEMPORARY TRAFFIC BARRIER
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)			TEMPORARY TRAFFIC BARRIER
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)	6176000B		COMMISSION FURNISHED/RETAINED
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	6177000B		COMMISSION FURNISHED/RETAINED
WO8-6	48X48	16.00						TRUCK CROSSING				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6208064A		TEMPORARY RAISED PAVEMENT MARKER					
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6L	24X36	6.00	2	12.00				STOP HERE ON RED (45° ARROW)	9029400		TEMPORARY TRAFFIC SIGNALS
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00						ROAD CLOSED	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL									ROAD CLOSED XX MILES AHEAD			
WO8-9	48X48	16.00						LOW SHOULDER									LOCAL TRAFFIC ONLY			
WO8-11	48X48	16.00						UNEVEN LANES	R11-3a	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC			
WO8-12	48X48	16.00						NO CENTER LINE	R11-4	60X30	12.50						FINE SIGN			
WO8-15	48X48	16.00						GROOVED PAVEMENT	CONST-3A	60X48	20.00									
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)			
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	MISCELLANEOUS SIGNS											
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-5	48X36	12.00						POINT OF PRESENCE			
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	CONST-5	96X48	32.00						POINT OF PRESENCE			
WO10-1	42RND.	9.62						RAILROAD CROSSING	CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE			
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)												
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)												
WO12-2x	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						ADVISORY SPEED (PLAQUE)												
WO16-2	30X24	5.00						XXX FEET (PLAQUE)												
WO16-3	30X24	5.00						X MILE (PLAQUE)												
WO20-1	48X48	16.00	6	96.00				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	2	32.00				ONE LANE ROAD AHEAD	616-10.05	CONSTRUCTION SIGNS			TOTAL							
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10.10	RELOCATED SIGNS			TOTAL							
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD												
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED												
WO20-7a	48X48	16.00	2	32.00				FLAGGER (SYMBOL)												
WO21-2	36X36	9.00						FRESH OIL												
WO21-5	48X48	16.00	1	16.00				SHOULDER WORK / SHOULDER WORK AHEAD												
WO21-5a	48X48	16.00	2	32.00				SHOULDER CLOSED / SHOULDER CLOSED 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						WET PAINT (ARROW PIVOTS)												

STATE OF MISSOURI

JODIE LYNN PUHR

NUMBER

PE-2014000073

PROFESSIONAL ENGINEER

11/10/2025 3:56:50 PM

JODIE LYNN PUHR - CIVIL

MO-PE-2014000073

DATE PREPARED

11/10/2025

ROUTE

D

STATE

MO

DISTRICT

KC

SHEET NO.

3

COUNTY

CASS

JOB NO.

JKU0144

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)

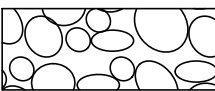
MODOT

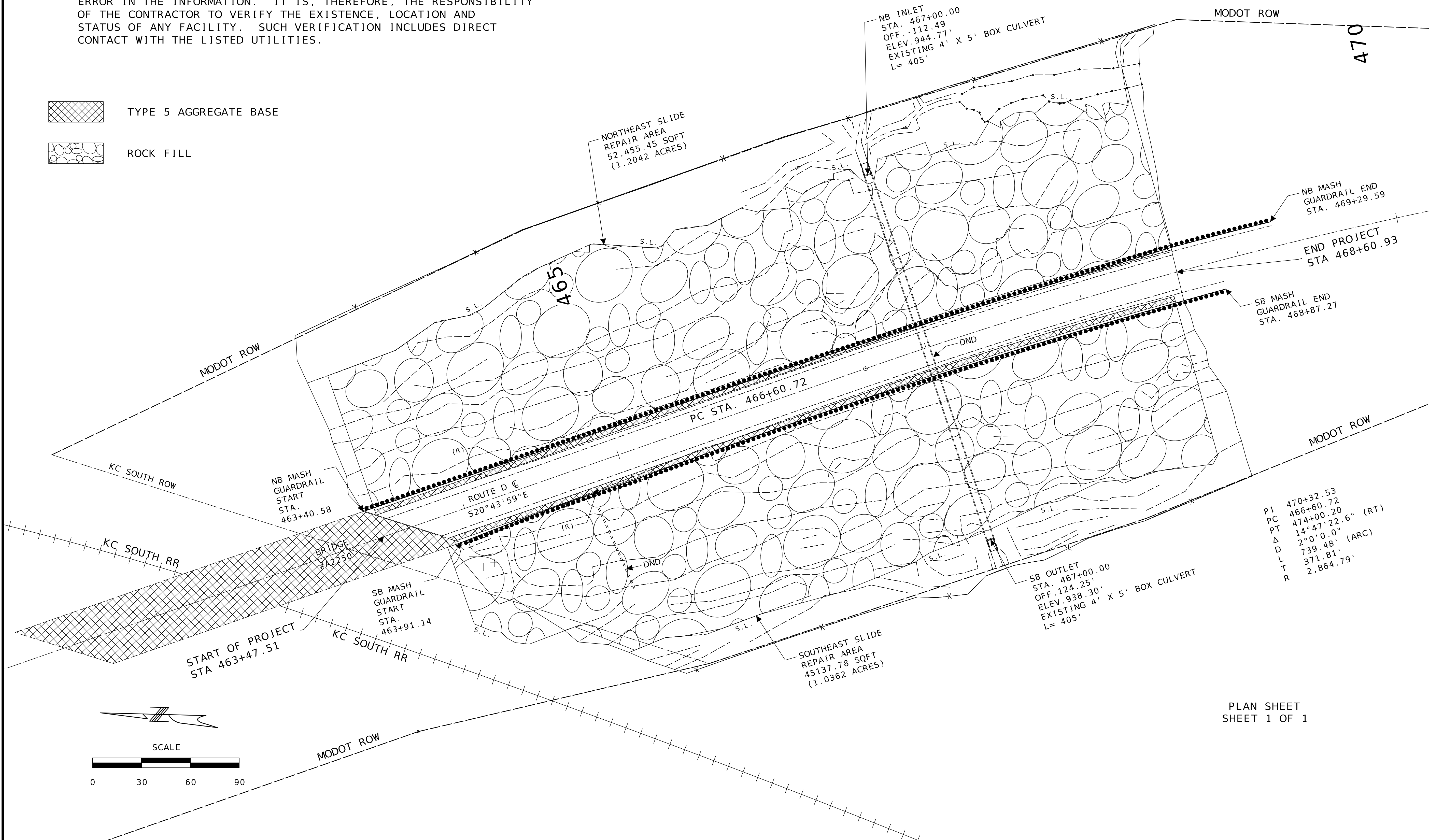
SUMMARY OF QUANTITIES

SHEET 2 OF 2

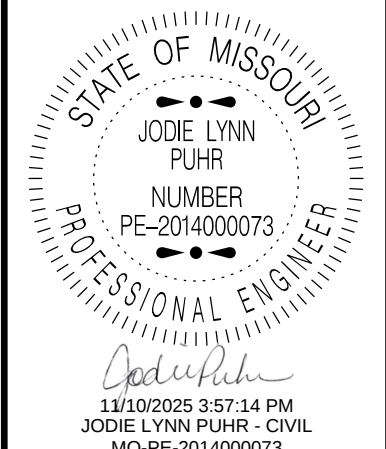
THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY 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.

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.

-  TYPE 5 AGGREGATE BASE
-  ROCK FILL



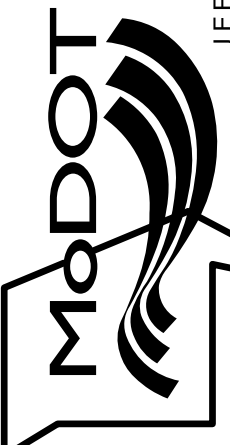
PLAN SHEET
SHEET 1 OF 1



DATE PREPARED 11/10/2025	
ROUTE D	STATE MO
DISTRICT KC	SHEET NO. 4
COUNTY CASS	
JOB NO. JKU0144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

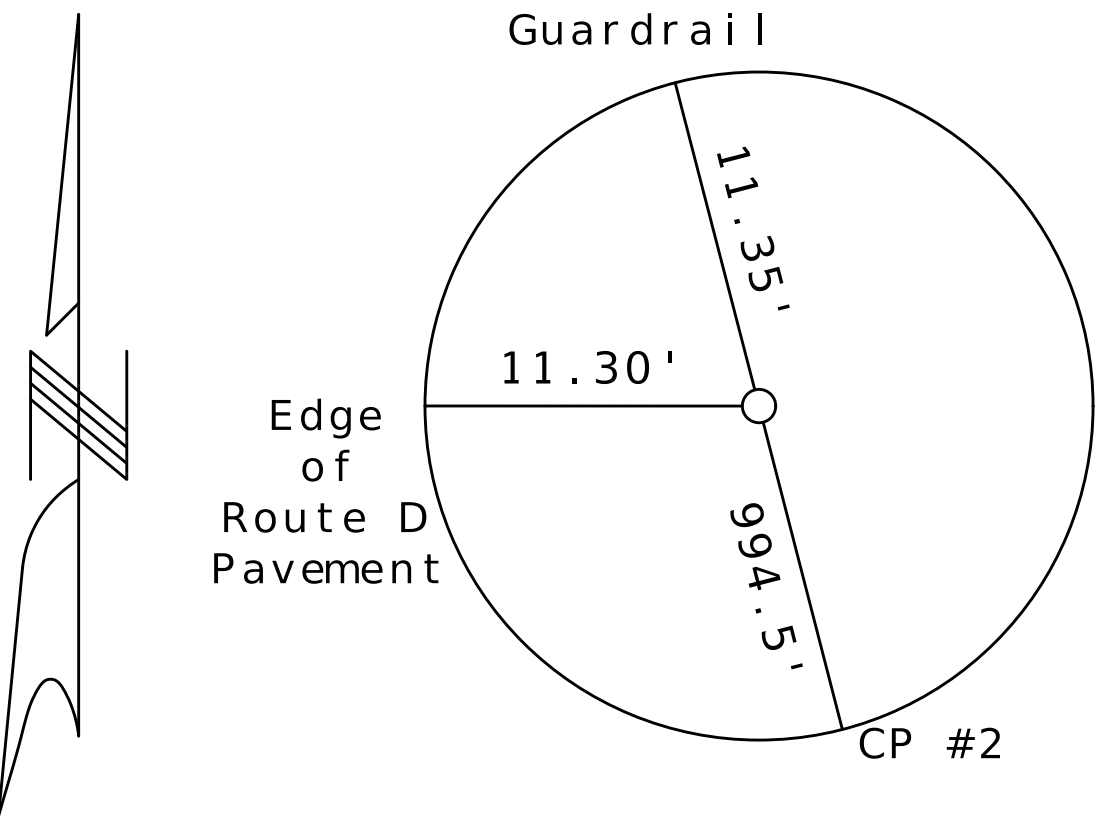
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



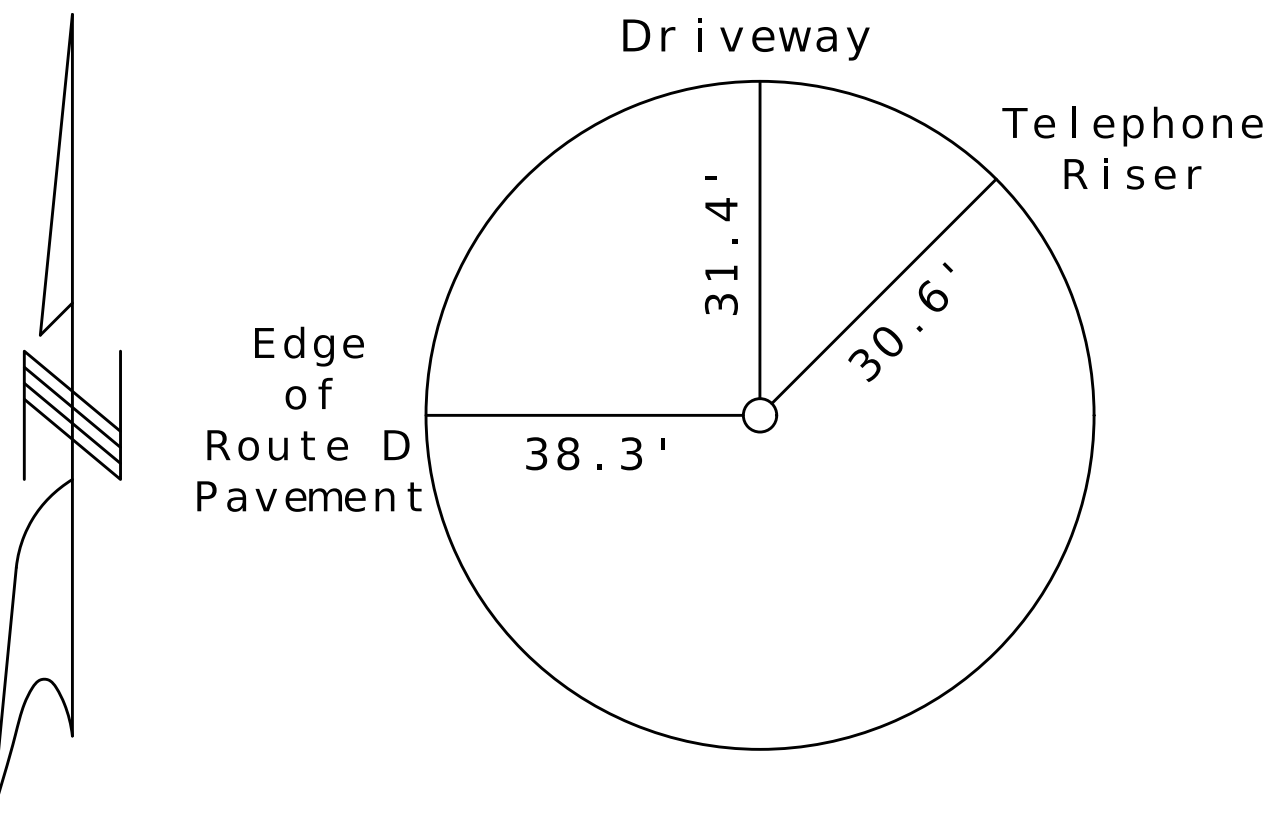
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CP #1 5/8" IB & Cap 12' RT of RTE D
(In the grass, 1/2 foot into ground)



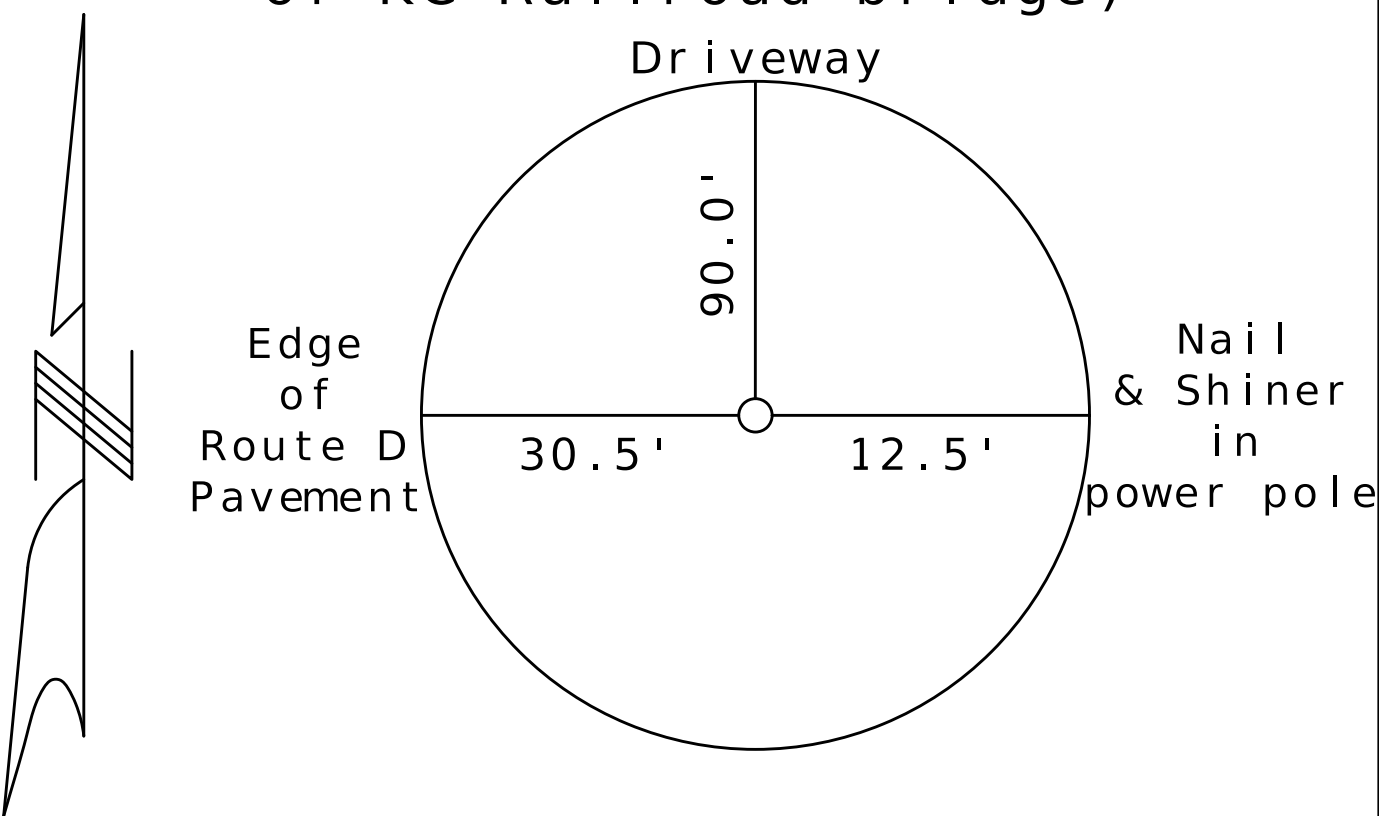
MOD STATE PLANE
N:929408.745
E:2763421.929
ELEV:989.082

CP #2 5/8" IB & Cap 40' RT of RTE D
(In the grass, 1/2 foot into ground)



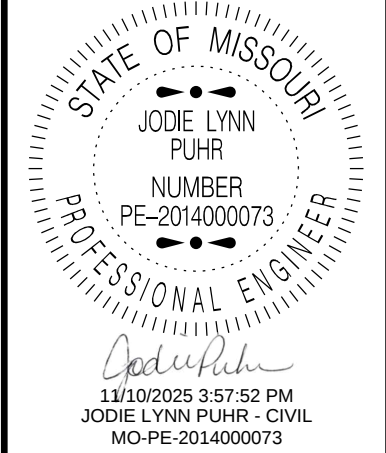
MOD STATE PLANE
N:928443.881
E:2763662.954
ELEV:982.788

CA-53 MO DNR GRS aluminum disk
set in concrete 31' RT of RTE D
(In the grass, 0.5 miles north
of KC Railroad bridge)



MOD STATE PLANE
N:932264.770
E:2763127.550

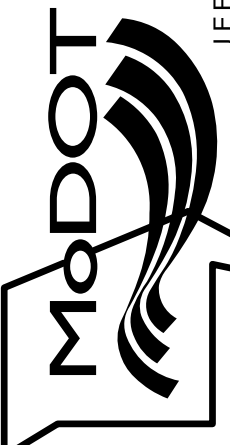
COORDINATES ARE IN MODIFIED
MISSOURI STATE PLANE, EST ZONE (NAD83/2011)
PROJECTION FACTOR: 1.00009901
GRID FACTOR:0.99990100



DATE PREPARED 11/10/2025	
ROUTE D	STATE MO
DISTRICT KC	SHEET NO. 5
COUNTY CASS	
JOB NO. JKU0144	
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)

1 METER = 3.280833333 US SURVEY FEET (USFT)

ALIGNMENTS

4	466+60.72	☑ ROUTE D	0 FT	929341.410	2763424.021		BACK BEARING (PC) = S20°43'58.826"E
4	470+32.53	☑ ROUTE D	0 FT	928986.126	2763532.744		PI
4	474+00.20	☑ ROUTE D	0 FT	928623.873	2763594.145		AHEAD BEARING (PT) = S05°56'36.226"E

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

Sign Spacing, Device Spacing and Channelizing Taper Lengths

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

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

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

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

TAPER LENGTH (L) :

L = WS FOR 40 MPH OR MORE

$$L = \frac{WS^2}{60} \text{ FOR } 35 \text{ MPH OR LESS}$$

FOR SHOULDER TAPER USE $L/3$

WHERE :

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED IN MPH

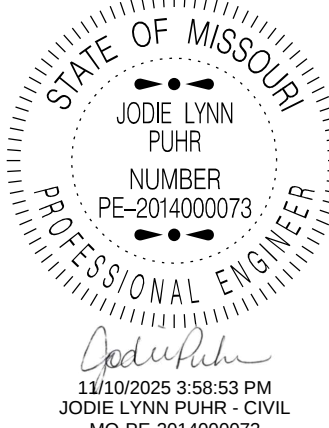
TRAFFIC CONTROL DEVICES

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 |
|  | CONE |
|  | CHANNELIZER |
|  | BARRICADE |
|  | CHANGEABLE MESSAGE BOARD |
|  | TMA (TRUCK MOUNTED ATTENUATOR)
WITH FLASHING ARROW PANEL |



DATE PREPARED
11 / 10 / 2025

ROUTE	STATE
D	MO

DISTRICT
KC

SHEET NO
7

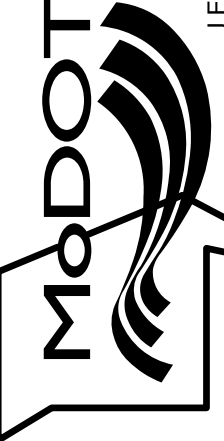
COUNTY
CASS

JOB NO.
JKU0144

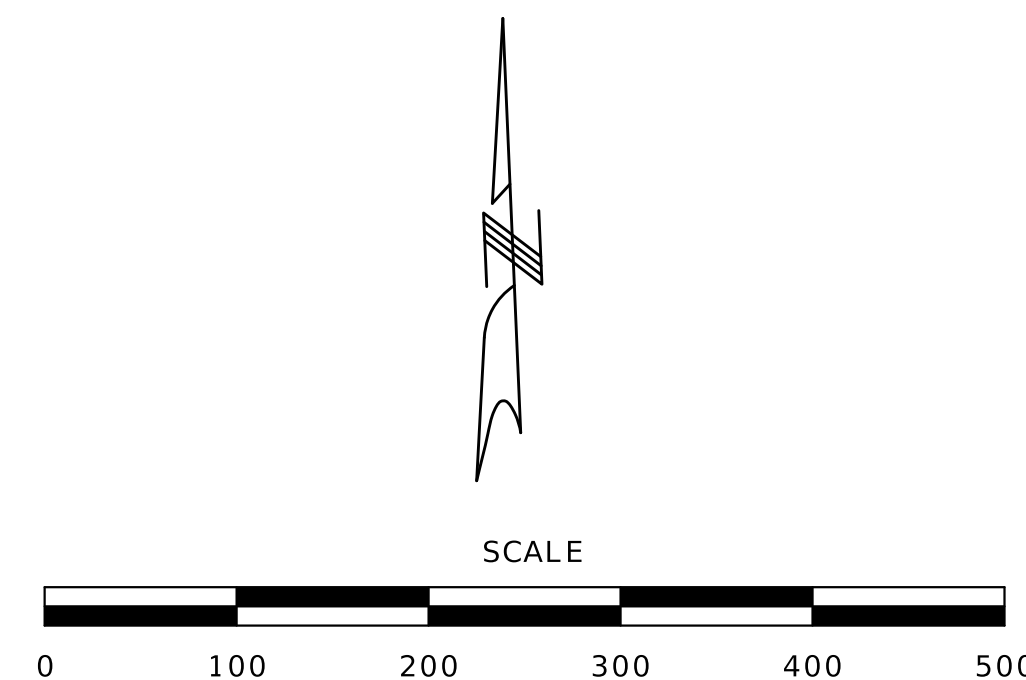
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

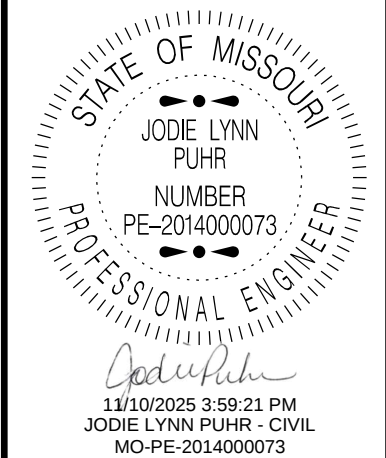


1- (SW CORNER) SOUTHBOUND ROUTE D JUST
AFTER ROUTE 58 (E. 171ST ST.)

-SNEAD 'S BAR-B-Q



CHANGEABLE MESSAGE
BOARD LOCATIONS
TRAFFIC CONTROL
SHEET 2 OF 7



DATE PREPARED
11/10/2025

ROUTE D	STATE MO
------------	-------------

DISTRICT KC	SHEET NO. 8
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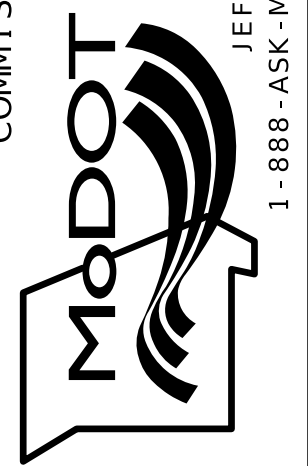
COUNTY
CASS

JOB NO.
JKU0144

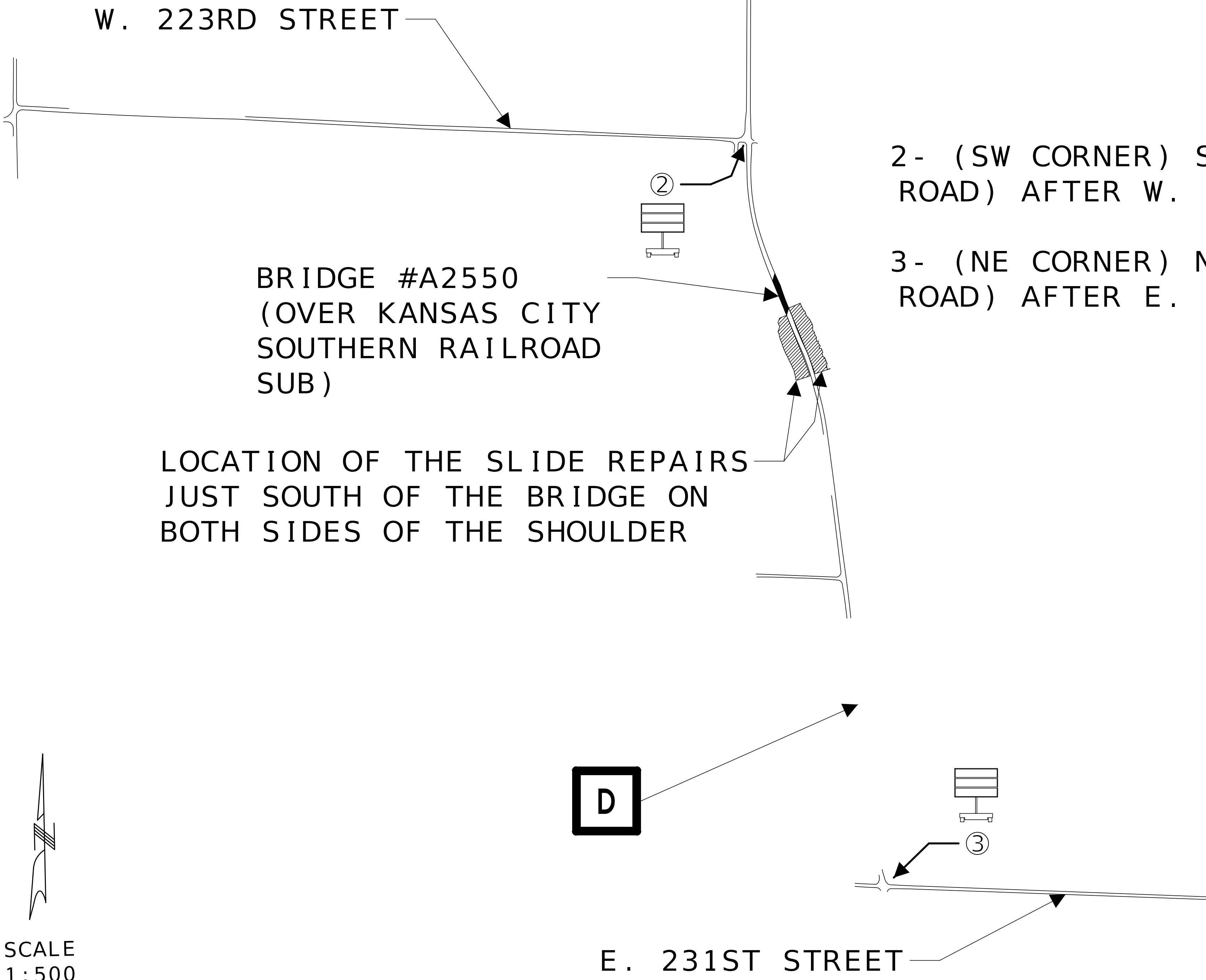
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



CHANGEABLE MESSAGE
BOARD LOCATIONS
TRAFFIC CONTROL
SHEET 3 OF 7

STATE OF MISSOURI

JODIE LYNN PUHR

NUMBER
PE-2014000073

PROFESSIONAL ENGINEER

11/10/2025 3:59:57 PM

JODIE LYNN PUHR - CIVIL

MO-PE-2014000073

DATE PREPARED

11/10/2025

ROUTE

D

DISTRICT

KC

STATE

MO

SHEET NO.

9

COUNTY

CASS

JOB NO.

JKU0144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

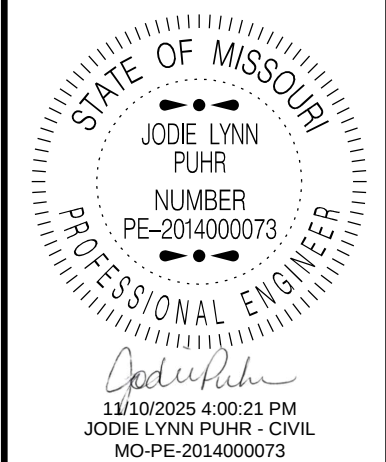
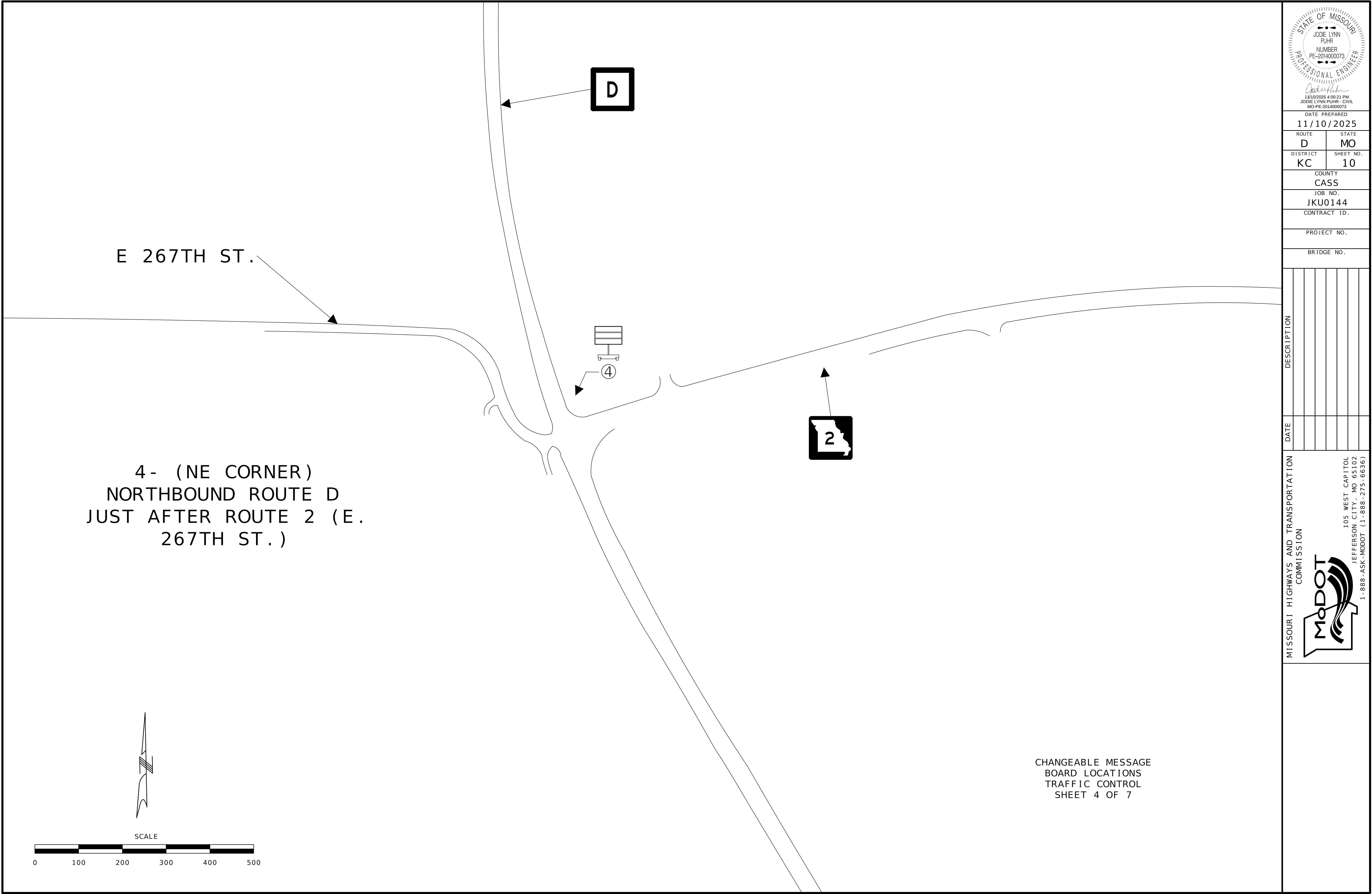
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

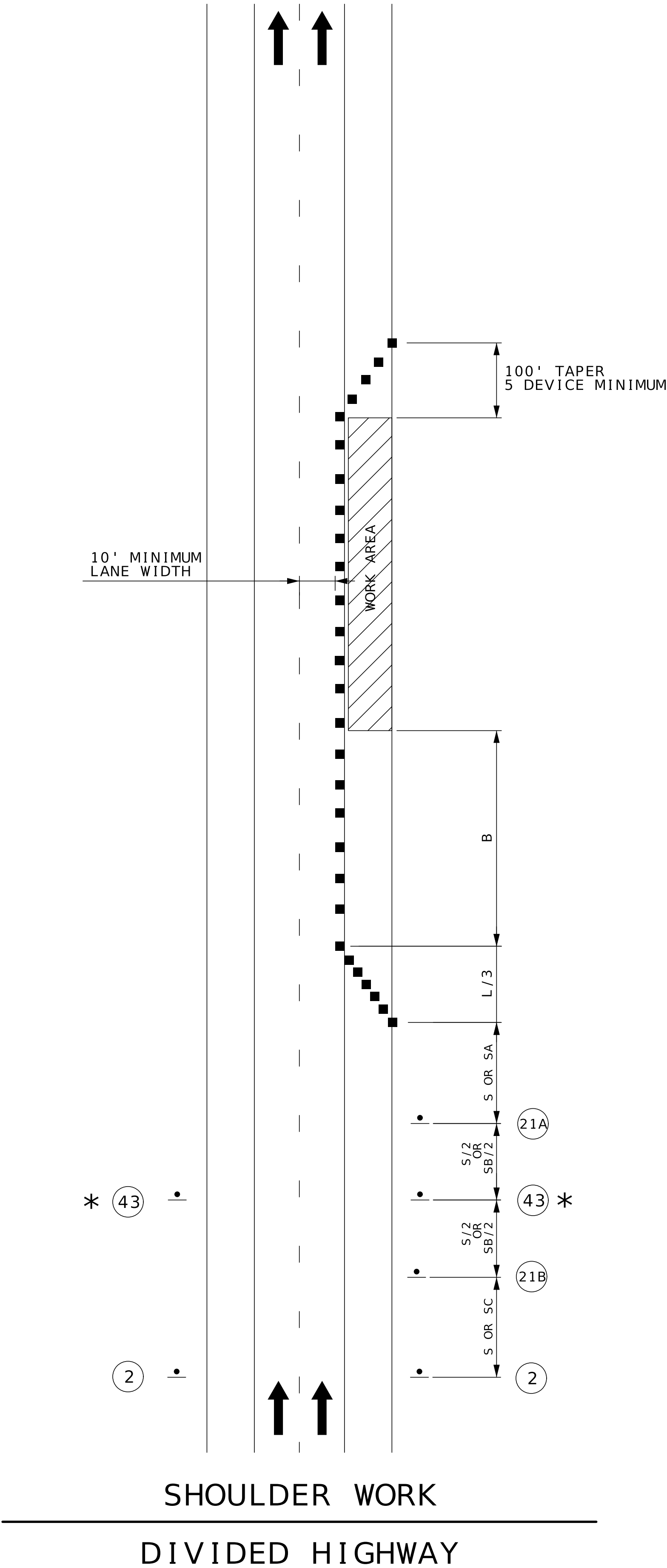


DATE PREPARED 11/10/2025	
ROUTE D	STATE MO
DISTRICT KC	SHEET NO. 10
COUNTY CASS	
JOB NO. JKU0144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



BRIDGE
OR
RAMP



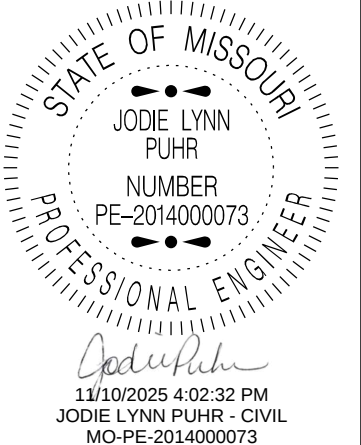
BRIDGE
OR
RAMP

NEXT
XX MILES

(PLAQUE NOT USED IF LESS THAN ONE MILE.)

* OMIT SIGN 43 FOR NO TRAVELWAY ENCROACHMENT.

NOT TO SCALE



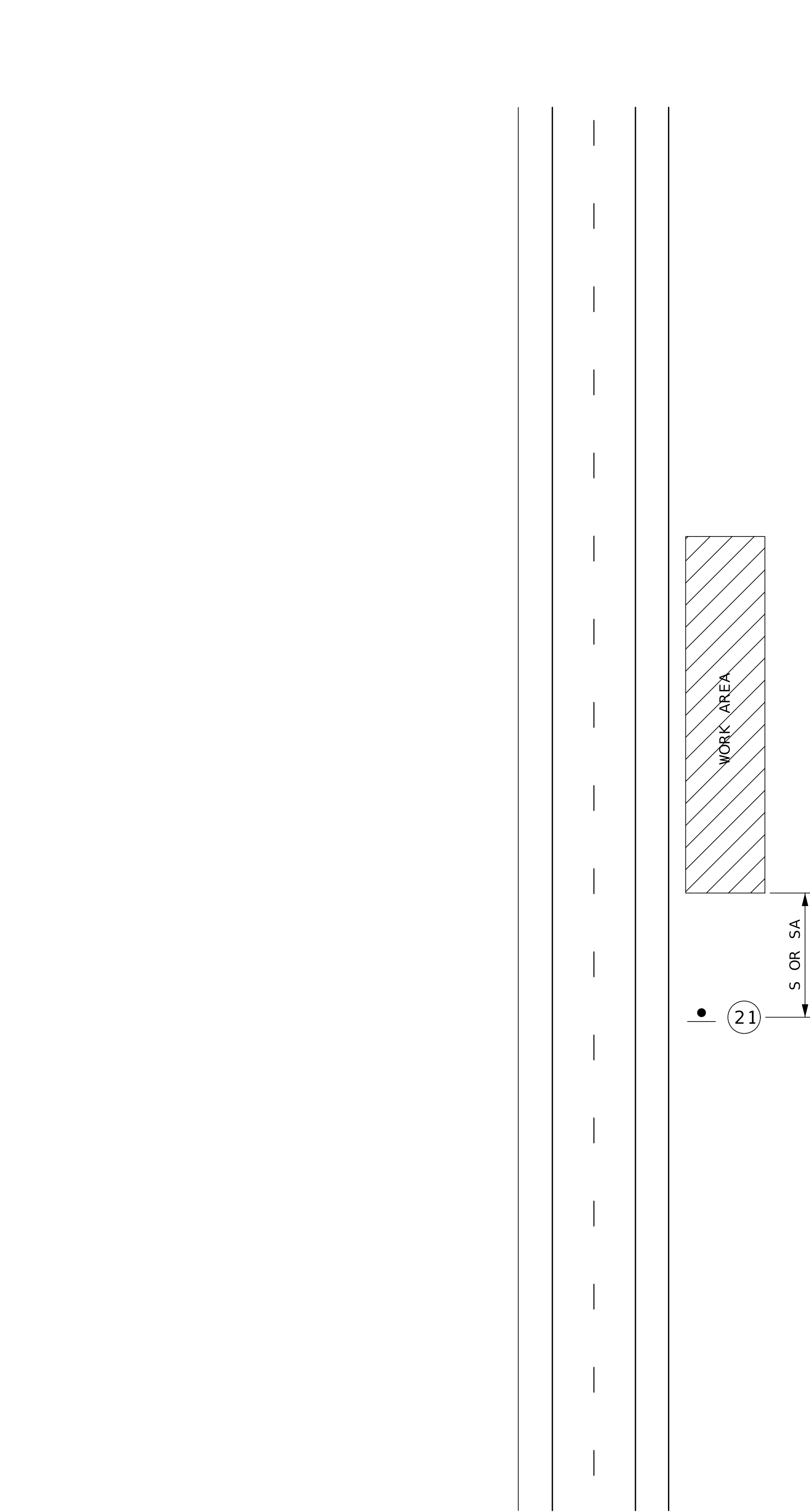
DATE PREPARED 11/10/2025	
ROUTE D	STATE MO
DISTRICT KC	SHEET NO. 11
COUNTY CASS	
JOB NO. JKU0144	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

NOT TO SCALE



WO21 - 5

21

WORK BEYOND THE SHOULDER
(UNDIVIDED OR DIVIDED HIGHWAY)

TEMPORARY TRAFFIC CONTROL
SHEET 6 OF 7

STATE OF MISSOURI

JODIE LYNN PUHR

NUMBER

PE-2014000073

PROFESSIONAL ENGINEER

11/10/2025 4:03:00 PM

JODIE LYNN PUHR - CIVIL

MO-PE-2014000073

DATE PREPARED

11/10/2025

ROUTE

D

DISTRICT

KC

STATE

MO

SHEET NO.

12

COUNTY

CASS

JOB NO.

JKU0144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

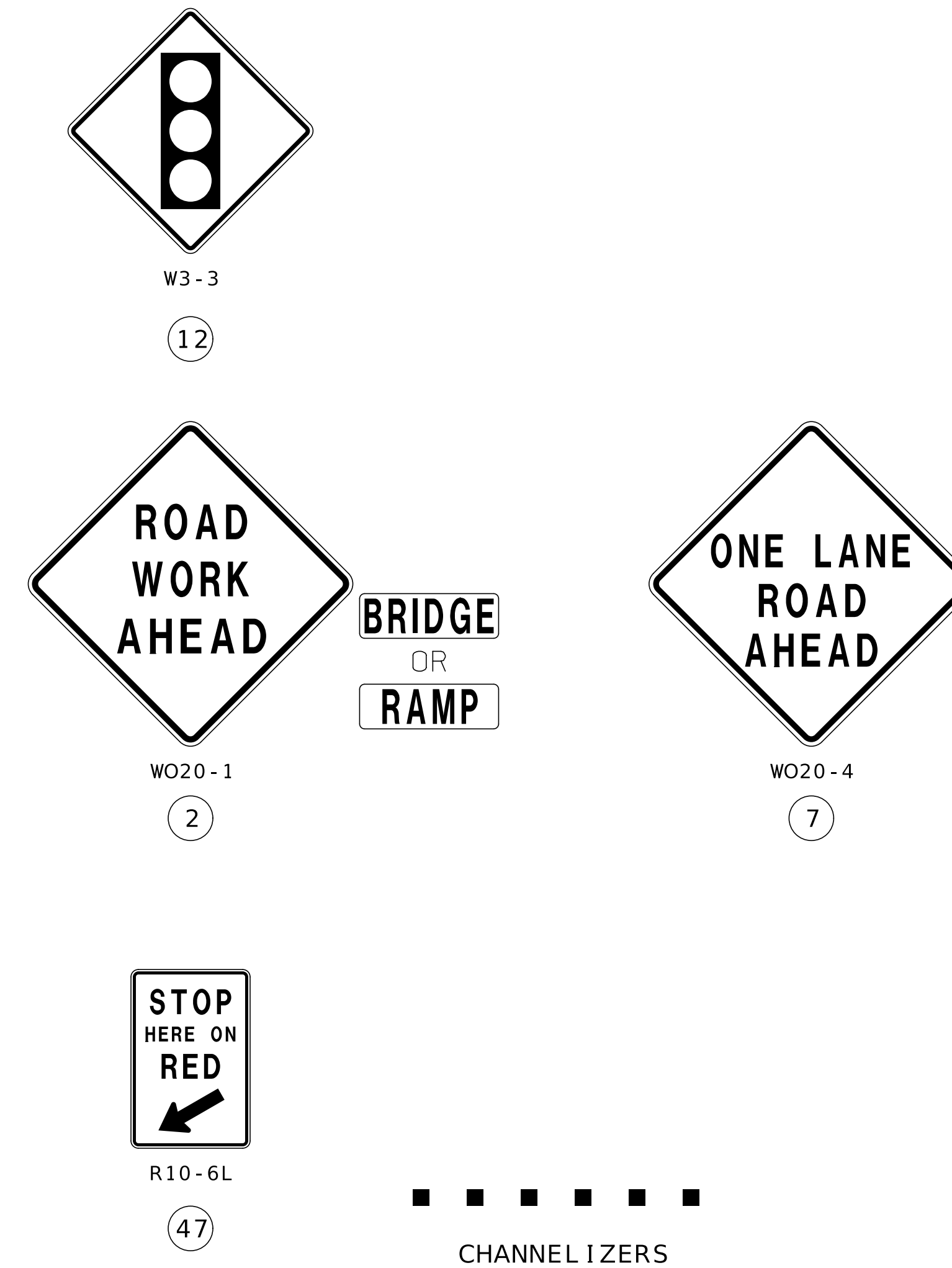
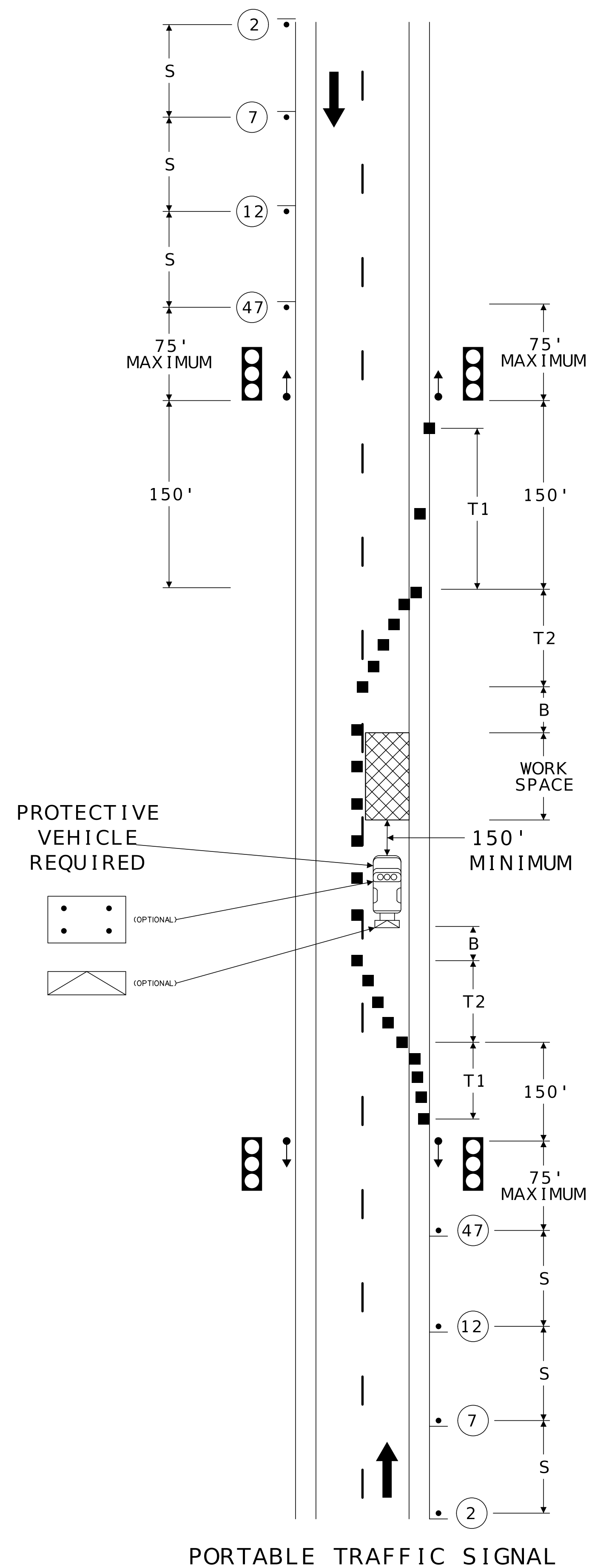
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

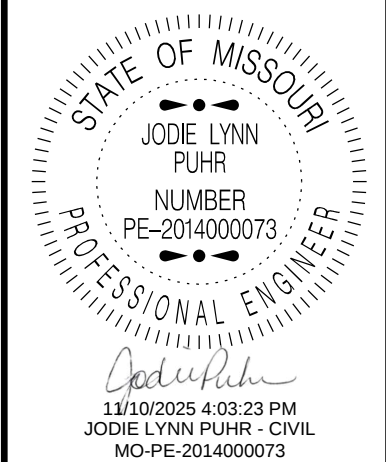
NOT TO SCALE



NOTES :

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE TAPER SPACING, BUFFER AND CHANNELIZING TAPER LENGTHS.
- (2). LANE TAPER LENGTH IS BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET
- (3). SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET

TEMPORARY TRAFFIC CONTROL
SHEET 7 OF 7



DATE PREPARED

11 / 10 / 2025

ROUTE D	STATE MO
------------	-------------

DISTRICT	SHEET NO.
KC	13

COUNTY	CASS
--------	------

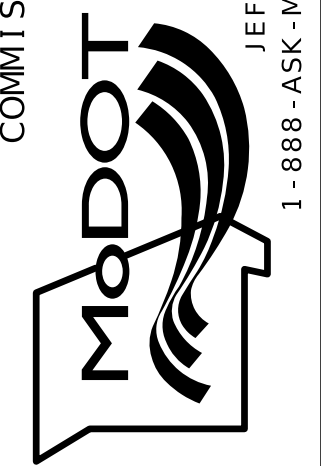
JOB NO.
JKU0144

CONTRACT ID.

PROJECT NO.

PROJECT NO.:

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TEMPORARY EROSION CONTROL LEGEND



ALTERNATE DITCH CHECK



CURB INLET CHECK



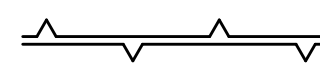
ROCK DITCH CHECK



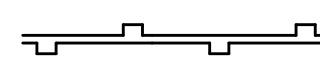
SEDIMENT TRAP



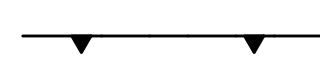
ENERGY DISSIPATOR



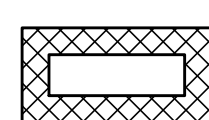
TEMPORARY BERM TYPE B



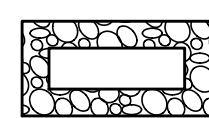
TEMPORARY BERM TYPE C



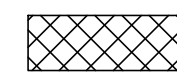
SILT FENCE



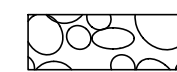
TEMPORARY SEDIMENT BASIN



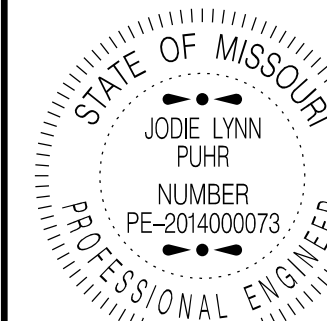
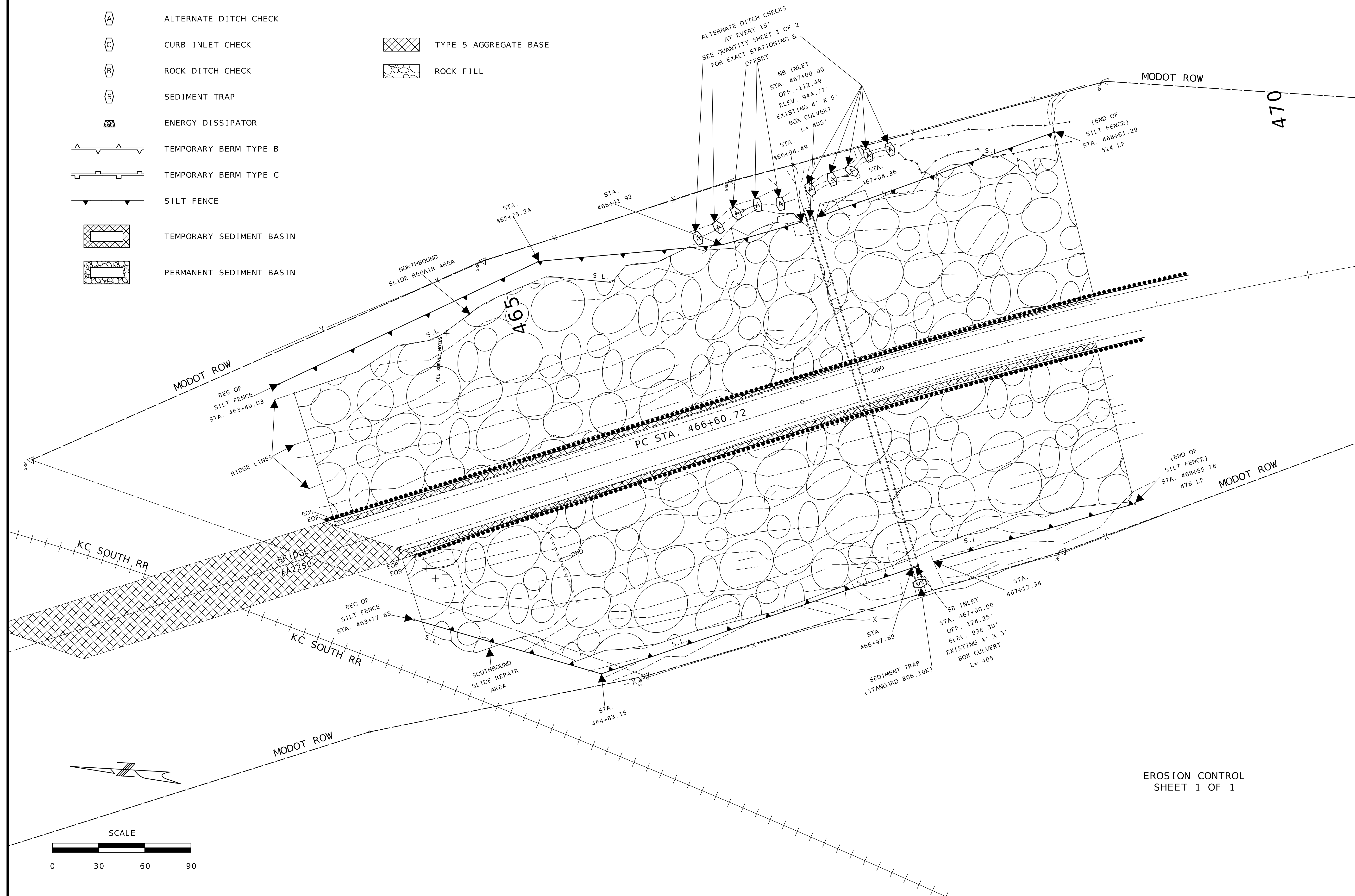
PERMANENT SEDIMENT BASIN



TYPE 5 AGGREGATE BASE



ROCK FILL



DATE PREPARED
11/10/2025

ROUTE D	STATE MO
------------	-------------

DISTRICT	SHEET NO.
KC	14

COUNTY
CASS

JOB NO.
JKU0144

CONTRACT ID.

PROJECT NO.

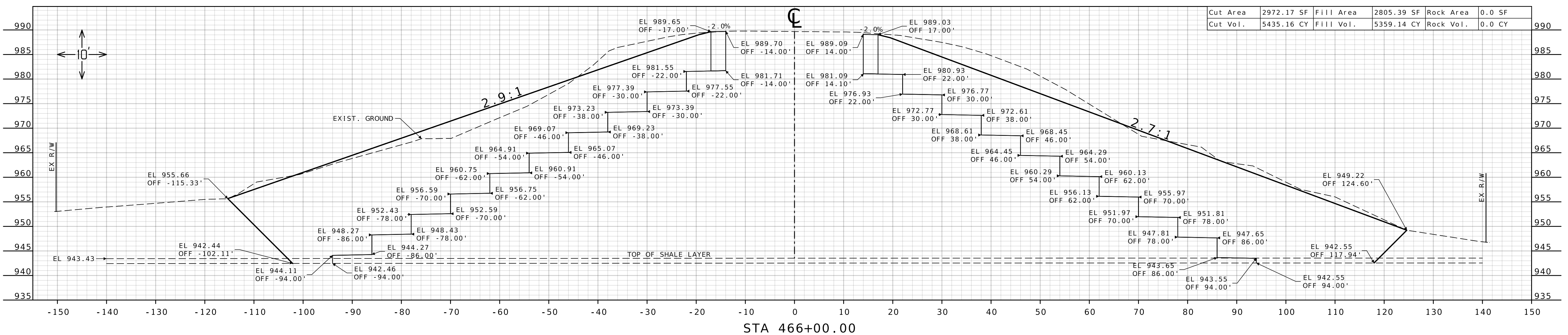
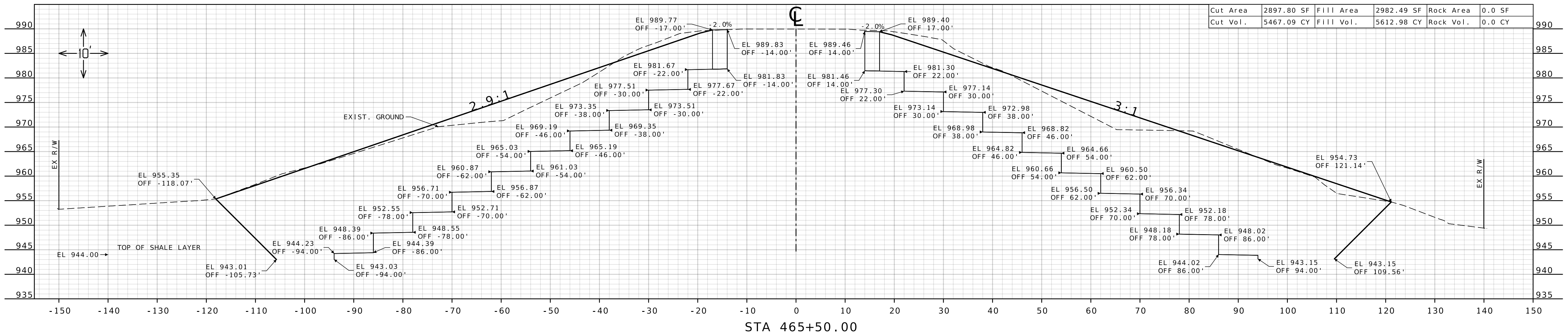
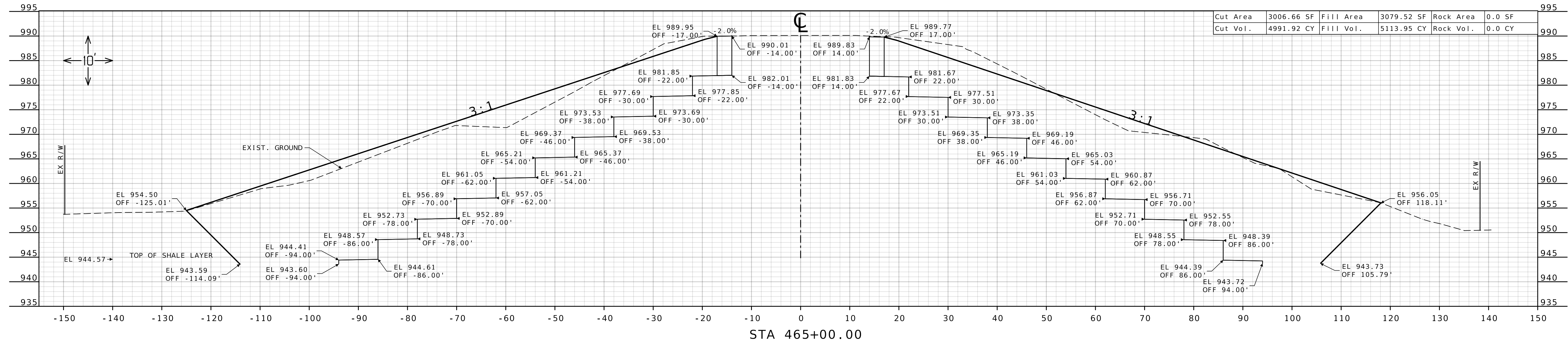
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY - MO. 65102



STATE OF MISSOURI
JODIE LYNN PUHR
NUMBER
PE-2014000073
PROFESSIONAL ENGINEER

DATE PREPARED
11/10/2025

ROUTE
D

DISTRICT
KC

COUNTY
CASS

JOB NO.
JKU0144

PROJECT NO.

BRIDGE NO.

STATE
MO

SHEET NO.
2

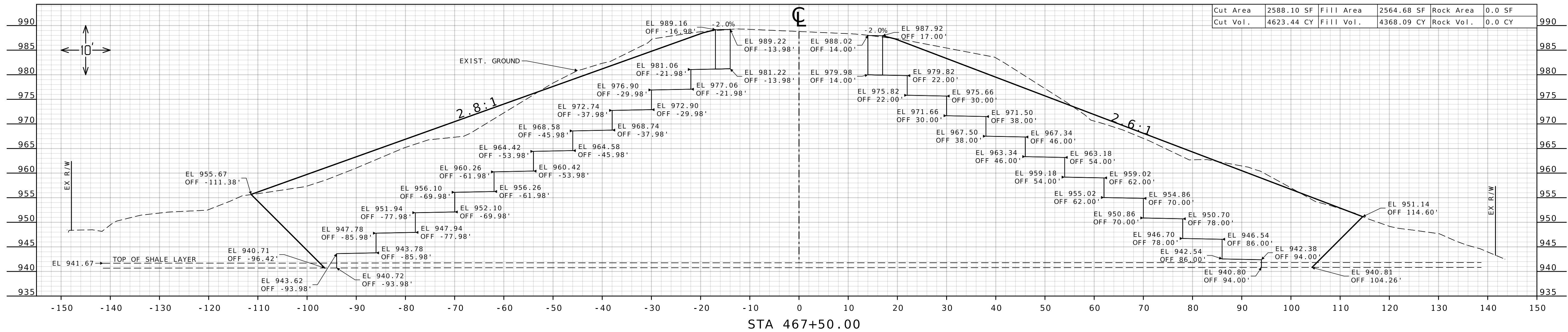
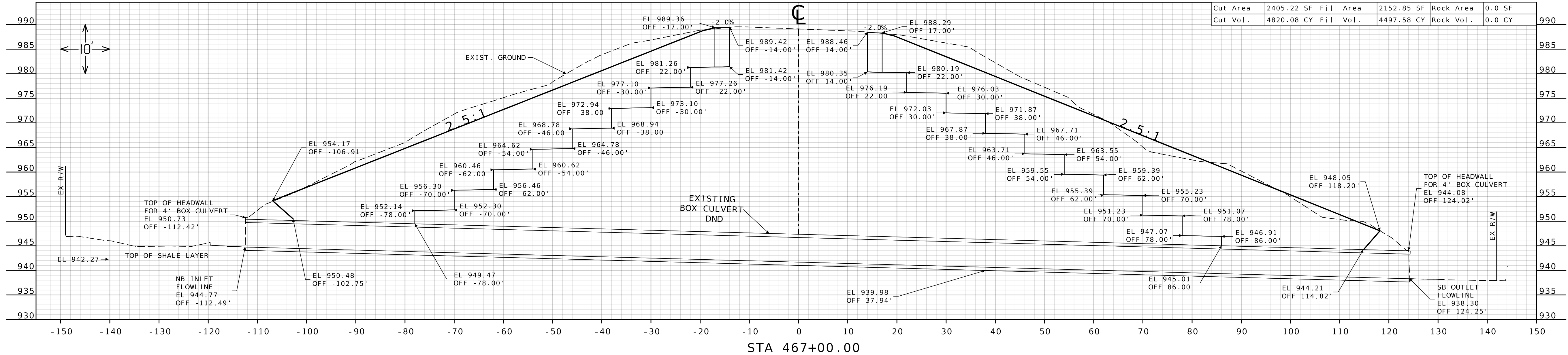
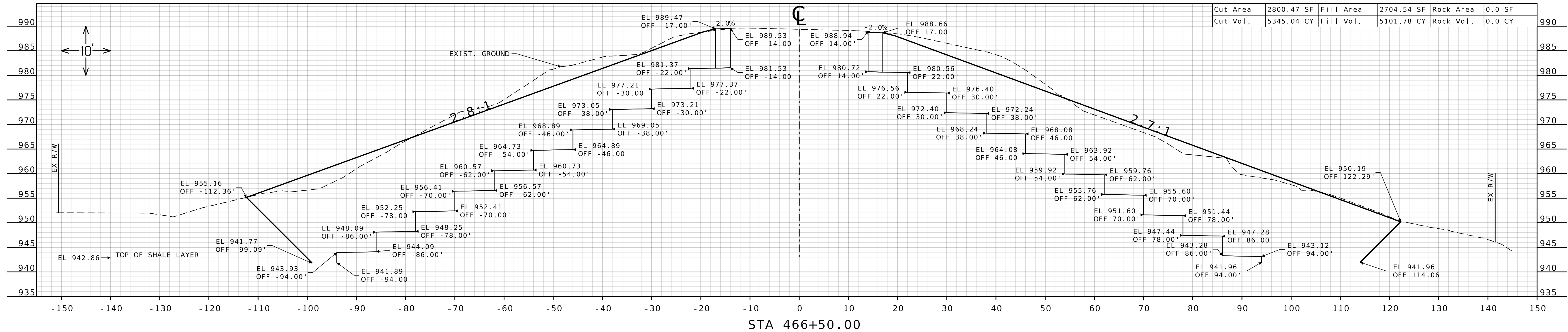
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SLIDE REPAIR CROSS SECTION
SHEET 2 OF 4



STATE OF MISSOURI
JODIE LYNN PUHR
NUMBER
PE-2014000073
PROFESSIONAL ENGINEER
11/10/2025 4:04:48 PM
JODIE LYNN PUHR - CIVIL
MO-PE-2014000073

DATE PREPARED
11/10/2025
ROUTE
D
DISTRICT
KC
COUNTY
CASS
JOB NO.
JKU0144
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION

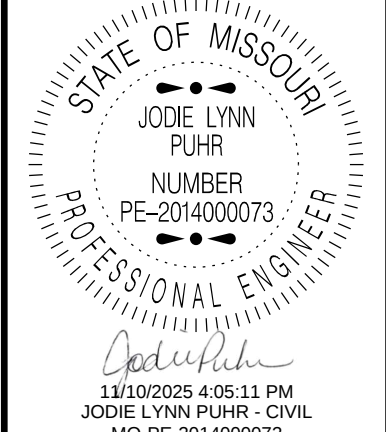
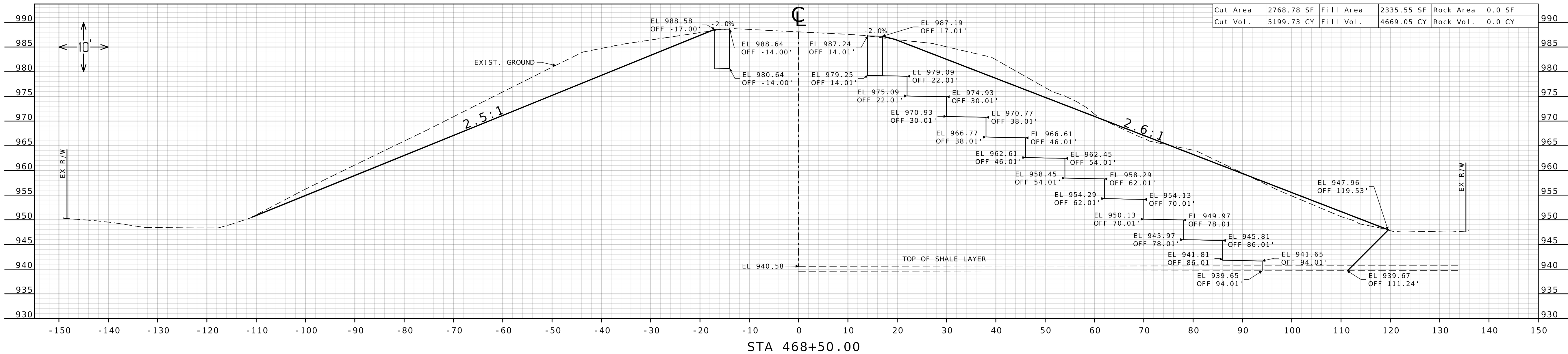
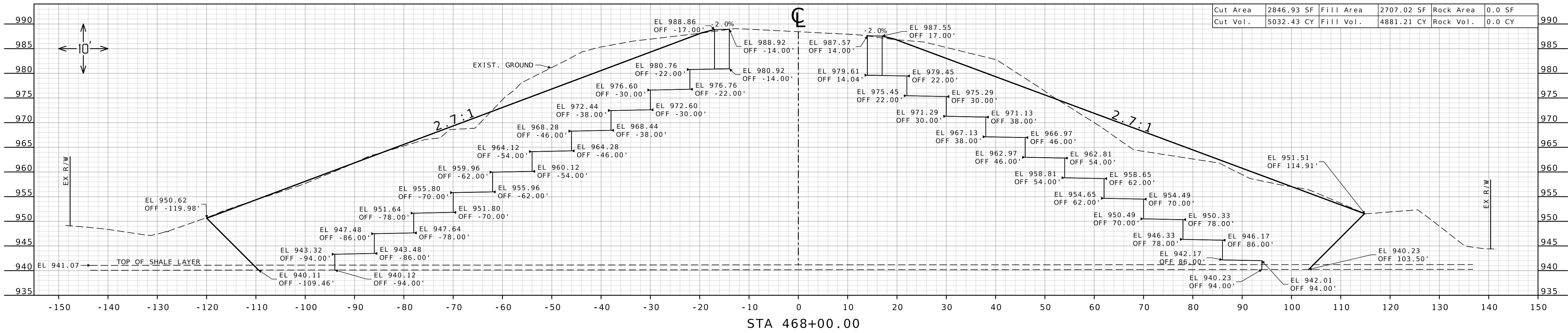
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SLIDE REPAIR CROSS SECTION
SHEET 3 OF 4

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

REV.



DATE PREPARED
11/10/2025

ROUTE	STATE
D	MO

DISTRICT	SHEET NO.
KC	4

COUNTY
CASS

JOB NO.
JKU0144

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SLIDE REPAIR CROSS SECTION
SHEET 4 OF 4