

DESIGN DESIGNATION

A.A.D.T. - 2023 = 28386
A.A.D.T. - 2043 = 31363
D.H.V. = 50%
T = 5%
V = 45 M.P.H.

FUNCTIONAL CLASSIFICATION - EXPRESSWAY

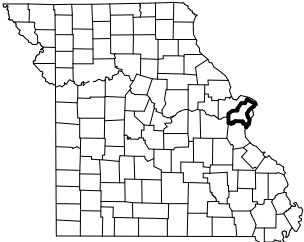
NO NEW R/W TO BE ACQUIRED
FOR PROJECT JSL0017.

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	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		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

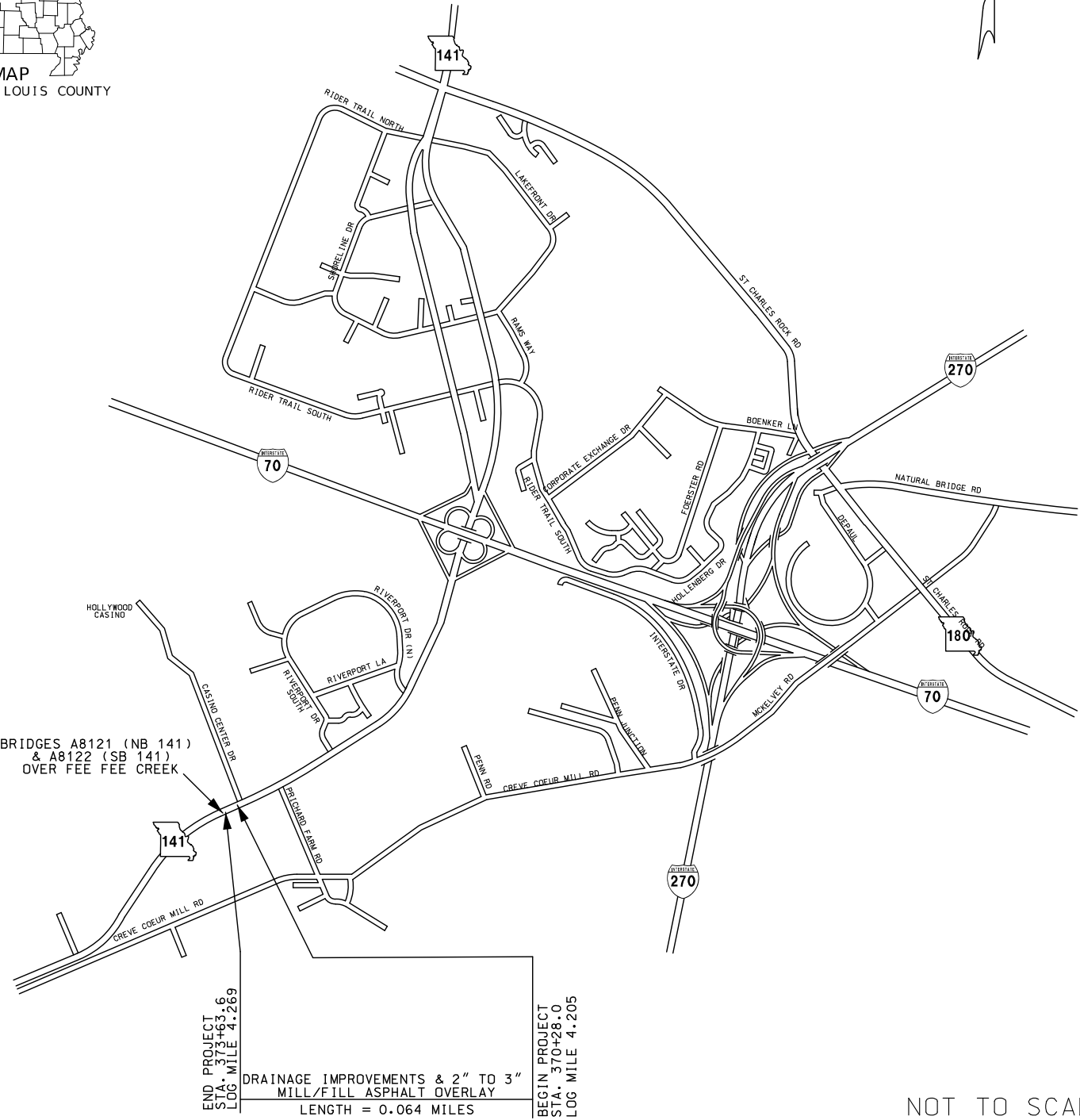
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY



KEY MAP
LOCATION OF ST. LOUIS COUNTY

ST. LOUIS COUNTY

T46N - R5E



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) (1 SHEET)----	2
QUANTITIES (QU) (3 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4
REFERENCE POINTS (RP) & COORDINATE POINTS (CP)-----	5
SPECIAL SHEETS (SS)-----	6
TRAFFIC CONTROL SHEETS (TC)-----	7-9
SIGNING (SN)-----	10
CULVERT SECTIONS (CS)-----	11-12
CROSS SECTIONS (XS)-----	1-9

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 370+28.0
END OF PROJECT	STA. 373+63.6
APPARENT LENGTH	335.6 FEET
EQUATIONS AND EXCEPTIONS:	NONE

TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	335.6 FEET
STATE LENGTH	0.064 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0 ACRES



DATE PREPARED	7/18/2023
ROUTE	141
STATE	MO
DISTRICT	SL
SHEET NO.	1
COUNTY	ST. LOUIS
JOB NO.	JSL0017
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

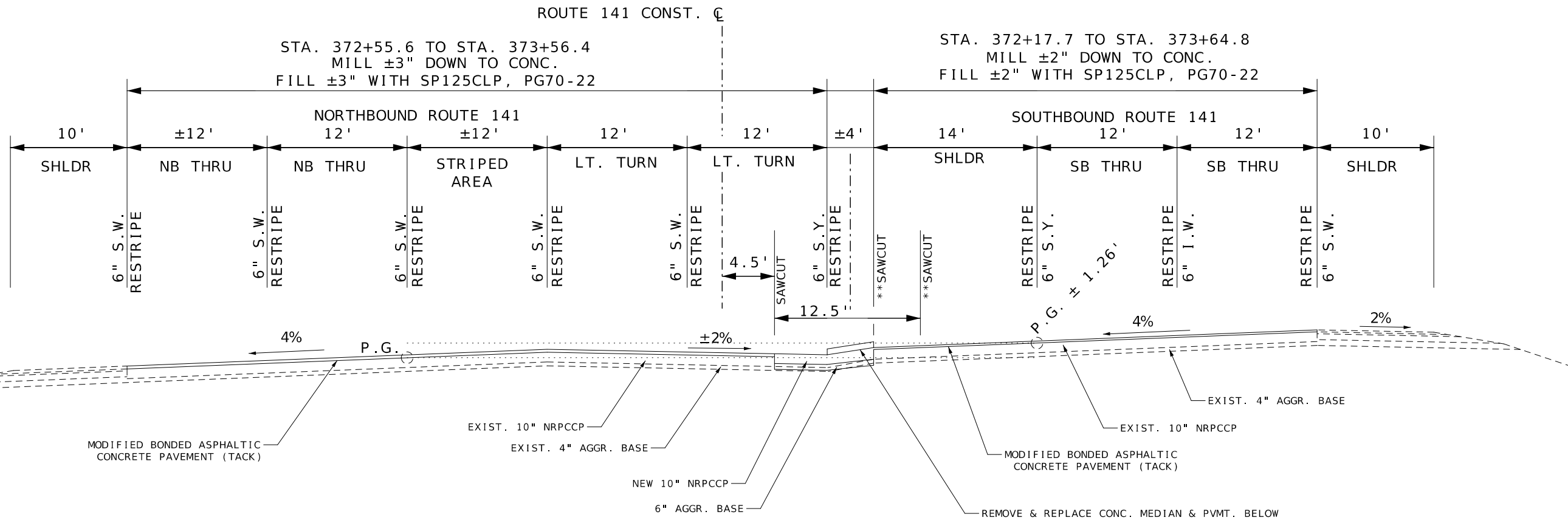
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TITLE SHEET

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



TYPICAL SECTION
STA. 370+78.0 TO STA. 373+39.5

APPLICATION RATES:
SP125CLP (PG 70-22) RATE ESTIMATED AT 2 TONS/C.Y. (MAY BE ADJUSTED PER CONTRACTOR'S MIX DESIGN)
TACK (MODIFIED BONDED ASPHALTIC CONCRETE PAVEMENT - SEE JSP) APPLICATION RATE ESTIMATED AT 0.15 GAL/S.Y.

STATE OF MISSOURI

GARLAND L. HILLNER

NUMBER PE-25740

PROFESSIONAL ENGINEER

08/08/2023 7:40:38 AM

GARLAND L. HILLNER - CIVIL

MO-PE-25740

DATE PREPARED

8/8/2023

ROUTE

141

STATE

MO

DISTRICT

SL

SHEET NO.

2

COUNTY

ST. LOUIS

JOB NO.

JSL0017

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

TYPICAL SECTIONS

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

PAVEMENT MARKING REMOVALS										REMARKS
PLAN SHEET NO.	ROADWAY	STA.	STA.	LOCATION	LENGTH 4" OR 6" STRIPE FT.	LENGTH 12" STRIPE FT.	LENGTH 24" STRIPE FT.	PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL (SYMBOLS)	
								L.F.	EACH	
4	SB RTE. 141	370+28.0	379+73.4	RT.	0	0	0	0	0	
4	NB RTE. 141	370+28.0	379+22.4	LT.	0	44	45	402.0	10	
4	CASINO CENTER DR.	-	-	LT. & RT.	0	0	24	144.0	3	
SUBTOTALS								546.0	13	
PAY TOTALS								546	13	

NOTE: REMOVALS ARE BASED UPON 4" STRIPE. THUS, 12" STRIPE WILL BE PAID TRIPLE PER LENGTH & 24" STRIPE WILL BE PAID 6x PER LENGTH.
NOTE: 6" REMOVAL FOR NB IS THE STRIPE BETWEEN THE LEFT TURN LANES INTO CASINO CENTER DR.

TEMP. TRAFFIC BARRIER - FOR INFORMATIONAL PURPOSES ONLY				
PLAN SHEET NO.	ROADWAY	TEMP. TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED L.F.	IMPACT ATTENUATOR 45 MPH (SAND BARRELS) EACH	REMARKS
6	NB 141	500	1	
6	SB 141	375	1	
TOTALS		875	2	

NOTE: QTY. IS ESTIMATE ONLY - MAY VARY BASED UPON PLACEMENT IN THE FIELD.

REMOVAL OF IMPROVEMENTS					
PLAN SHEET NO.	ROADWAY	STA.	STA.	LOCATION	DESCRIPTION OF REMOVAL
4	RTE. 141	370+31.5	-	RT.	R4-7 SIGN/POST
4	RTE. 141	372+35.7	-	RT.	R3-7L SIGN/POST
4	RTE. 141	370+78.5	373+39.5	RT.	117.2 S.Y. OF MEDIAN
4	RTE. 141	370+78.5	373+39.5	RT.	257.8 S.Y. OF CONC. PVMT.
4	RTE. 141	370+78.5	373+08.5	RT.	547 L.F. OF SAW CUTS FOR PVMT. REMOVAL
PAY TOTAL					1 LUMP SUM

LUMP SUM TEMPORARY TRAFFIC CONTROL	1 LUMP SUM
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MOBILIZATION	1 LUMP SUM
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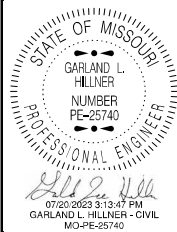
PAVEMENT, BASE & MEDIAN ISLAND										REMARKS
PLAN SHEET NO.	ROADWAY	STA.	STA.	LOCATION	PVMT WIDTH FT.	10" NRPPCCP (15' JOINTS) S.Y.	4" TYPE 5 AGGR. BASE S.Y.	6" TYPE 5 AGGR. BASE S.Y.	CONCRETE MEDIAN S.Y.	
4	RTE. 141	370+78.5	373+08.5	MEDIAN	VARIES	214.76		214.8		A = 1932.8 SF
4	RTE. 141	373+08.5	373+39.5	MEDIAN	12.5	43.06	43.1	43.1		ADDITIONAL BASE DUE TO THICKER EXIST. APPR. SLABS
4	RTE. 141	370+78.5	373+39.5	MEDIAN	N/A				117.20	A = 1054.8 SF
4	RTE. 141	372+22.9	373+08.5	MEDIAN	VARIES		80.84			ADDITIONAL BASE DUE TO THICKER EXIST. APPR. SLABS
SUBTOTALS						257.82	123.94	257.9	117.20	
PAY TOTALS						257.8	124	258	117.2	

NOTE: CONTRACTOR TO INSTALL 4" TALL MEDIAN ISLAND.
NOTE: ADDITIONAL BASE BEING ADDED IN LIEU OF EARTHWORK DUE TO THE REMOVAL OF THICKER APPR. SLABS - NO ADDITIONAL PAY FOR ANY QTY. BEYOND WHAT IS SHOWN HERE.

CONTRACTOR FURNISHED SURVEYING	1 LUMP SUM
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COLDMILLING & RESURFACING										REMARKS
PLAN SHEET NO.	ROADWAY	STA.	STA.	LOCATION	AREA S.F.	COLDMILLING 3" OR LESS S.Y.	COLDMILLING BIT. PAVEMENT WITH ADDITIONAL CLEANING S.Y.	SP125CLP PG 70-22 (USE 2 TONS/C.Y.) TONS	MODIFIED BONDED ASPHALTIC CONC. PAVEMENT (0.15 GAL/S.Y.) GAL.	
4	SB RTE. 141	372+17.7	373+64.8	RT.	6157.9	684.2	684.2	76.02	102.6	
4	NB RTE. 141	372+55.6	373+56.4	LT.	4729.5	525.5	525.5	87.58	78.8	
SUBTOTALS						1209.7	1209.7	163.6	181.4	
PAY TOTALS						1210	1209.7	163.6	182	

NOTE: CONTRACTOR TO MILL DOWN TO EXIST. CONC. PAVEMENT.
NOTE: NB CORE SHOWED THICKNESS OF JUST OVER 3" - NO ADDITIONAL PAY TO MILL DOWN TO EXIST. CONC. PAVEMENT.
NOTE: SB CORE SHOWED THICKNESS OF JUST OVER 2".



DATE PREPARED 7/18/2023	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY ST. LOUIS	
JOB NO. JSL0017	
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)

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

THERMOPLASTIC PAVEMENT MARKINGS										
PLAN SHEET NO.	ROADWAY	STA.	STA.	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING					REMARKS
					6" DOTTED WHITE	12" WHITE	24" WHITE	LEFT ARROWS	RIGHT ARROWS	
						L.F.	L.F.	EACH	EACH	
4	SB RTE. 141	370+28.0	379+73.4	RT.	0.0	0.0	0.0	0	0	
4	NB RTE. 141	370+28.0	379+22.4	LT.	93.3	56.0	45.0	10	0	
4	CASINO CENTER DR.	-	-	LT. & RT.	0.0	0	24.0	2	1	
SUBTOTALS					93.3	56.0	69.0	12	1	
PAY TOTALS					94	56	69	13		

NOTE: 6" DOTTED WHITE IS FOR RADII ENTERING/LEAVING CASINO CENTER DR. FROM/TO NB 141.
NOTE: BEGIN STRIPING AT SOUTH SIDE OF CASINO INTERSECTION & END AT SOUTH SIDE OF BRIDGES A8122 & A8121.
NOTE: USE 12" WHITE STRIPE FOR CHEVRON MARKING ON NB 141.
NOTE: ANY THERMOPLASTIC STRIPING SHALL HAVE 1.5" BLACK BORDER WHEN INSTALLED ON CONCRETE.

HIGH BUILD WATERBORNE PAVEMENT MARKINGS								
PLAN SHEET NO.	ROADWAY	STA.	STA.	LOCATION				REMARKS
					6" S.W. HIGH BUILD WATERBORNE PVMT MARKING PAINT TYPE 'L' BEADS L.F.	6" I.W. HIGH BUILD WATERBORNE PVMT MARKING PAINT TYPE 'L' BEADS L.F.	6" YELLOW HIGH BUILD WATERBORNE PVMT MARKING PAINT TYPE 'L' BEADS L.F.	
4	SB RTE. 141	370+28.0	379+73.4	RT.	1247.0	262.0	945.4	
4	NB RTE. 141	370+28.0	379+22.4	LT.	2824.6	99.0	894.4	
4	CASINO CENTER DR.	-	-	EXIT	180.0	0.0	90.0	
SUBTOTALS					4251.6	361.0	1929.8	
PAY TOTALS					4613		1930	

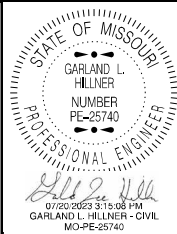
NOTE: SB STRIPING INCLUDES EXIT OF CASINO CENTER DRIVE WITHIN MODOT R/W.
NOTE: ALL I.W. HIGH BUILD PAINT SHALL HAVE 1.5" CONTRAST BLACK STRIPE PER STD. SPECS.
NOTE: AS NOTED ABOVE, S.W. INTERSECTION STRIPING ALONG NB 141 SHALL HAVE 1.5" CONTRAST BLACK STIPE PER STD. SPECS.

DRAINAGE - INLETS													
PLAN SHEET NO.	CULVERT SECTION SHEET NO.	ROADWAY	STA.	OFFSET	LOCATION	DRAINAGE ID#	ACTUAL DEPTH (TOP OF PVMT TO BOTTOM) FT.	ACTUAL DEPTH (11" BELOW TO BOTTOM) FT.	PRECAST CONCRETE DROP INLET 2 FT. x 2 FT. L.F.	CURVED VANGE GRATE 2X2	PIPE COLLAR TYPE 'A'	CL. 3 EXCAVATION	REMARKS
										EACH	EACH	C.Y.	
6	11	RTE. 141	373+37.1	13.9' RT.	SB 141	1-1A	3.08	2.16	3	1		2.9	
6	12	RTE. 141	373+28.6	7.7' RT.	NB 141	1-2A	3	2.08	3	1		3.0	
6	11	RTE. 141	373+12.9	13.8' RT.	SB 141	1-3A	3.35	2.43	3	1		3.0	
6	11	RTE. 141	373+12.9	7.7' RT.	NB 141	1-4A	3.07	2.15	3	1		3.5	
6	11	RTE. 141	371+97.3	8' RT.	NB 141	1-5A	3.71	2.79	3	1		4.4	
6	11	RTE. 141	370+76.7	-	NB 141	1-6COL	-	-	0	0	1	0.0	
6	11	RTE. 141	370+76.7	12.6' RT.	NB 141	1-7ExDI	USE EXIST.	N/A	N/A	N/A		0.7	
SUBTOTALS									15	5	1	17.5	
PAY TOTALS									15	5	1	***	

NOTE: *** INDICATES SEE PIPE TABULATION FOR FINAL PAY TOTAL.
NOTE: OFFSETS LISTED BELOW ARE TO THE CENTER OF THE INLET.
NOTE: NO DIRECT PAY TO SAW CUT & REMOVE WALL NECESSARY TO INSTALL NEW PIPE INTO 1-7ExDI

DRAINAGE - PIPES										
PLAN SHEET NO.	CULVERT SECTION SHEET NO.	ROADWAY	LOCATION	DRAINAGE STRUCTURE FROM ID#	DRAINAGE STRUCTURE TO ID#	ACTUAL PIPE LENGTH FT.	SLOPE %			REMARKS
								15" GROUP 'A' PIPE L.F.	CL. 3 EXCAVATION C.Y.	
6	11	RTE. 141	SB 141	1-1A	1-3A	22.18	1.2	23	5.2	CL. 3 COVERED BY INLETS
6	12	RTE. 141	NB 141	1-2A	1-4A	13.68	0.52	14	2.7	
6	11	RTE. 141	UNDER MEDIAN	1-3A	1-4A	4.15	1.2	5	0.0	
6	11	RTE. 141	NB 141	1-4A	1-5A	113.59	0.52	114	44.3	
6	11	RTE. 141	UNDER MEDIAN	1-5A	1-6ExDI	119.03	0.52	119	52.2	
SUBTOTALS - PIPES								275	104.4	
SUBTOTALS - INLETS								0	17.5	
PAY TOTALS								275	122	

NOTE: ALL CL. 3 EXCAVATION BASED UPON 10" DEPTH OF NEW PAVEMENT, 6" BASE AND POSSIBLY 4" ADDITIONAL BASE.



DATE PREPARED 7/18/2023	
ROUTE 141	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY ST. LOUIS	
JOB NO. JSL0017	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

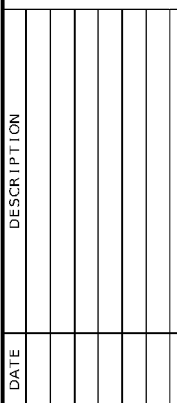


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITIES
SHEET 2 OF 3

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

EFFECTIVE: 04-01-2023															
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								
SIGN	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NUM.								
WARNING SIGNS								DESCRIPTION							
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)							
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)							
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)							
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)							
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)							
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)							
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)							
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)							
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)							
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)							
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)							
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)							
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)							
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)							
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)							
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)							
WO1-8	18X24	3.00						CHEVRON (SYMBOL)							
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)							
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)							
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)							
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)							
WO3-4	48X48	16.00						BE PREPARED TO STOP							
WO3-5	48X48	16.00						SPEED LIMIT AHEAD							
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)							
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)							
WO4-1aL	48X48	16.00	2	32			6A	MERGE (ARROW SYMBOL)							
WO4-1aR	48X48	16.00	2	32			6A	MERGE (ARROW SYMBOL)							
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS							
WO5-3	48X48	16.00						ONE LANE BRIDGE							
WO5-5	48X48	16.00						NARROW LANES							
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)							
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)							
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)							
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)							
WO8-1	48X48	16.00						BUMP							
WO8-2	48X48	16.00						DIP							
WO8-3	48X48	16.00						PAVEMENT ENDS							
WO8-4	48X48	16.00						SOFT SHOULDER							
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)							
WO8-6	48X48	16.00						TRUCK CROSSING (WITH FLAGS)							
WO8-6c	48X48	16.00						TRUCK ENTRANCE							
WO8-7	36X36	9.00						LOOSE GRAVEL							
WO8-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL							
WO8-9	48X48	16.00						LOW SHOULDER							
WO8-11	48X48	16.00	2	32			36	UNEVEN LANES							
WO8-12	48X48	16.00						NO CENTER LINE							
WO8-15	48X48	16.00						GROOVED PAVEMENT							
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)							
WO8-17	48X48	16.00	2	32			23	SHOULDER DROP-OFF (SYMBOL)							
WO8-17P	30X24	5.00	2	10			23	SHOULDER DROP-OFF (PLAQUE)							
W10-1	42RND.	9.62						RAILROAD CROSSING							
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	5	80			2	ROAD/BRIDGE/RAMP WORK AHEAD							
WO20-2	48X48	16.00						DETOUR AHEAD							
WO20-3	48X48	16.00						ROAD CLOSED AHEAD							
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD							
WO20-5	48X48	16.00	4	64			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD							
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD							
WO20-6a	48X48	16.00	2	32			6	RIGHT/CENTER/LEFT LANE CLOSED							
WO20-7a	48X48	16.00						FLAGGER (SYMBOL, WITH FLAGS)							
WO21-2	36X36	9.00						FRESH OIL							
WO21-5	48X48	16.00						SHOULDER WORK AHEAD							
WO22-1	48X48	16.00						BLASTING ZONE AHEAD							
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE							
WO22-3	42X36	10.50						END BLASTING ZONE							
GO22-1	21X15	2.19	2	4.4				WET PAINT (ARROW PIVOTS)							
NOTE: SIGN & DEVICE LOCATION WILL BE FIELD VERIFIED & APPROVED BY THE ENGINEER.															
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								
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	4	32			26	END ROAD WORK							
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME							
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW							
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW							
GO20-5aP	36X24	6.00	4	24			54	WORK ZONE (PLAQUE)							
MO4-8a	24X18	3.00						END DETOUR							
MO4-9L	48X36	12.00													

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

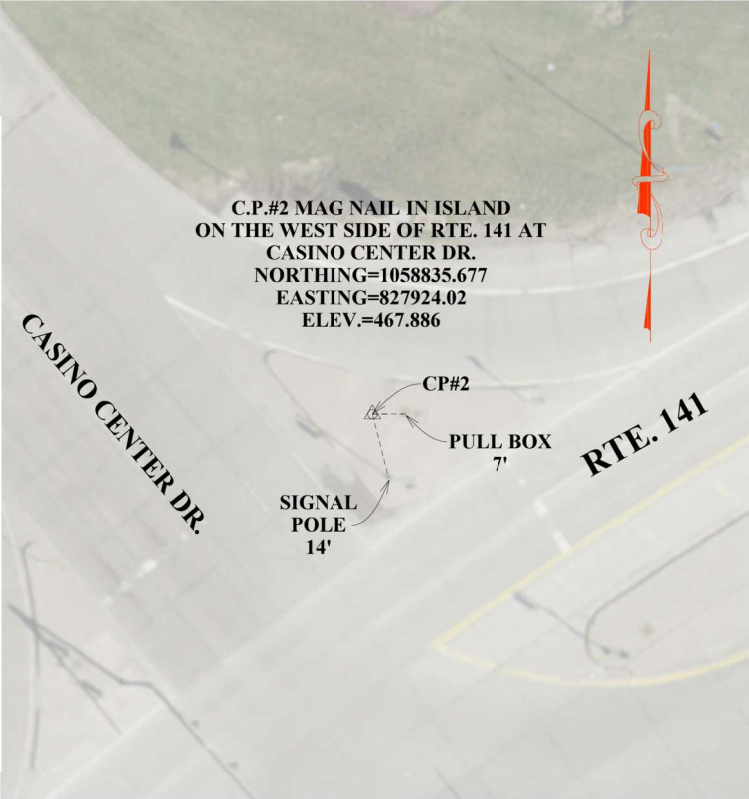
CONSTRUCTION PLANS

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

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

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	NAD 83 (2011) EPOCH 2010.0	
VERTICAL DATUM	NAVD 88: GNSS DERIVED	
GEOID MODEL	GEOID18	
ELEVATIONS DETERMINED BY	AVERAGED GNSS OBSREVATIONS	
PROJECT PROJECTION FACTOR		1.00008780
REFERENCE CONTROL INFORMATION		
COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983	
CONTROL STATION	MISSOURI CORS	
DESIGNATION	MODOT OFALLON CORS ARP	
CORS_ID	MOOF	
PID	DM4688	
LATITUDE	N 38° 45' 14.06179"	
LONGITUDE	W 90° 41' 44.78025"	
NORTHING (M)	324131.153	
EASTING (M)	232983.488	
ZONE	EAST	
PROJECT AVERAGE GRID FACTOR		0.9999122
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 #1 N 1058652.100 X 0.9999122 = N 1058559.150 E 827728.130 X 0.9999122 = E 827655.455		
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)		
PROJECT CONTROL POINTS								
4	N/A	RTE. 141	RT.	1,058,652.100	827,728.130	466.961	C.P. #1	
4	N/A	RTE. 141	RT.	1,058,835.677	827,924.020	467.886	C.P. #2	
4	N/A	RTE. 141	LT.	1,058,533.186	827,793.319	466.051	C.P. #3	
ALIGNMENTS								
4	359+64.020	141 CL	0	1,059,207.716	828,823.118	N/A	POT	
4	367+75.710	141 CL	0	1,058,849.674	828,094.663	N/A	PC	
4	367+62.521	141 CL	0	1,058,767.270	827,927.009	N/A	PI	
4	371+45.075	141 CL	0	1,058,629.896	827,800.412	N/A	PT	
4	390+80.698	141 CL	0	1,057,206.518	826,488.683	N/A	POT	



STATE OF MISSOURI

GARLAND L. HILLNER

NUMBER PE-25740

PROFESSIONAL ENGINEER

07/24/2023 9:38:21 AM

GARLAND L. HILLNER - CIVIL

MO-PE-25740

DATE PREPARED
7/18/2023

ROUTE
141

DISTRICT
SL

STATE
MO

SHEET NO.
5

COUNTY
ST. LOUIS

JOB NO.
JSL0017

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

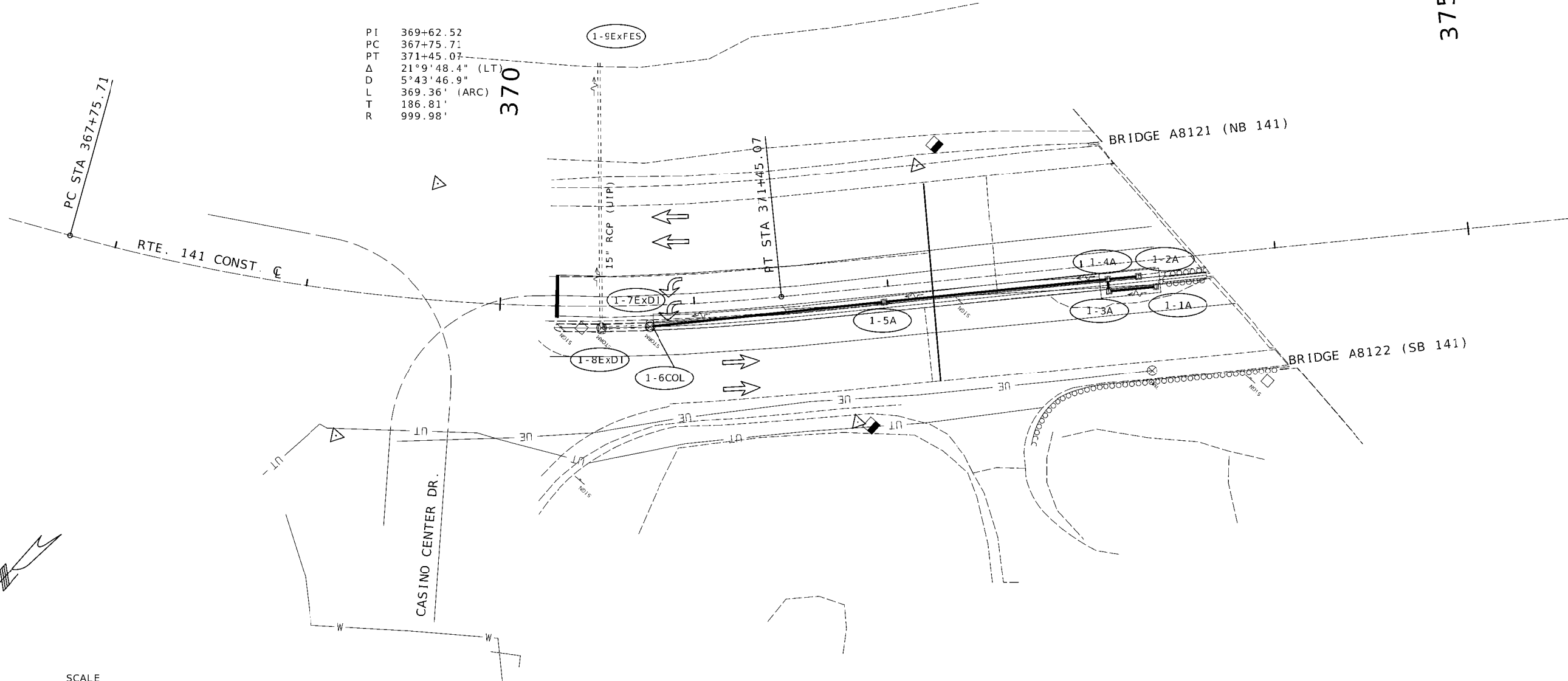
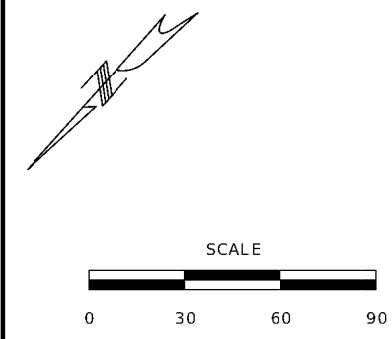
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

COMBINATION REFERENCE POINTS
& COORDINATE POINTS SHEET

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



PI 369+62.52
PC 367+75.71
PT 371+45.07
Δ 21°9'48.4" (LT)
D 5°43'46.9"
L 369.36" (ARC)
T 186.81'
R 999.98'

370

375

- DRAINAGE NOTES:
1. ALL NEW PIPES SHALL BE 15" GROUP 'A'.
 2. ALL NEW PIPES SHOWN ARE 15" IN DIA.
 3. 1-6COL NOT SHOWN - CONTRACTOR SHALL INSTALL COLLAR AROUND PIPE CONNECTION INTO 1-7ExDI.

STATE OF MISSOURI

GARLAND L. HILNER

NUMBER PC-25740

PROFESSIONAL ENGINEER

08/30/2023 10:22:14 AM
GARLAND L. HILNER - CIVIL
MO-PE-25740

DATE PREPARED
8/30/2023

ROUTE
141

DISTRICT
SL

STATE
MO

SHEET NO.
6

COUNTY
ST. LOUIS

JOB NO.
JSL0017

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

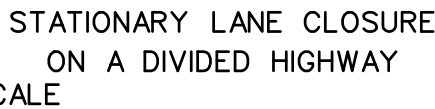
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

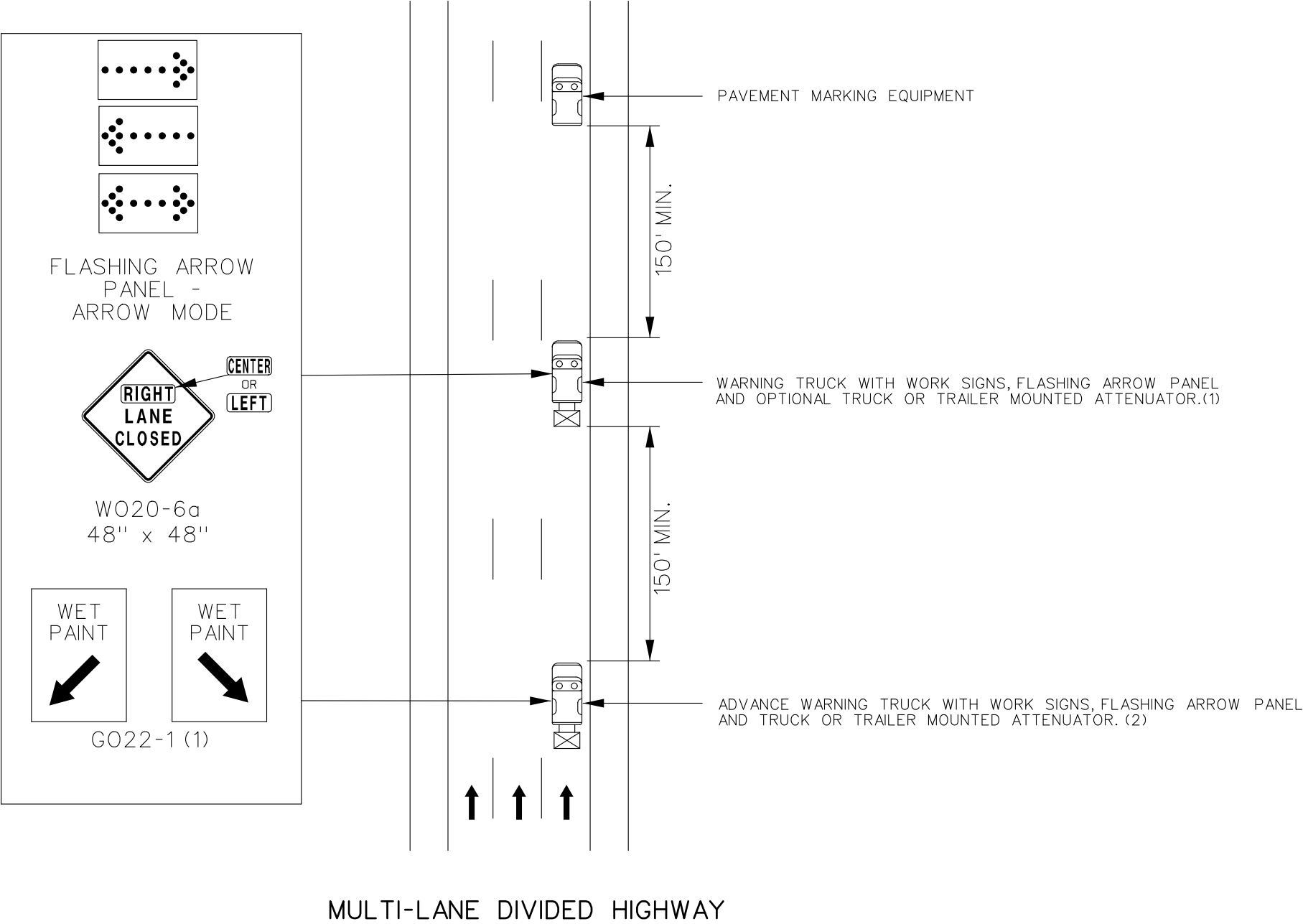
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JEFFERSON CITY, MO 65102
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SPECIAL SHEET
DRAINAGE PLAN

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



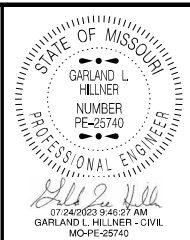
CENTER LINE AND OR LANE LINE STRIPING ON MULTI-LANE DIVIDED HIGHWAYS



NOTES:

- 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 LIGHTS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, 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 LEGEND 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 LANE.

NOT TO SCALE



DATE PREPARED
7/18/2023

ROUTE
141

STATE
MO

DISTRICT
SL

SHEET NO.
9

COUNTY
ST. LOUIS

JOB NO.
JSL0017

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

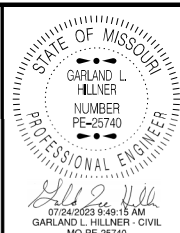
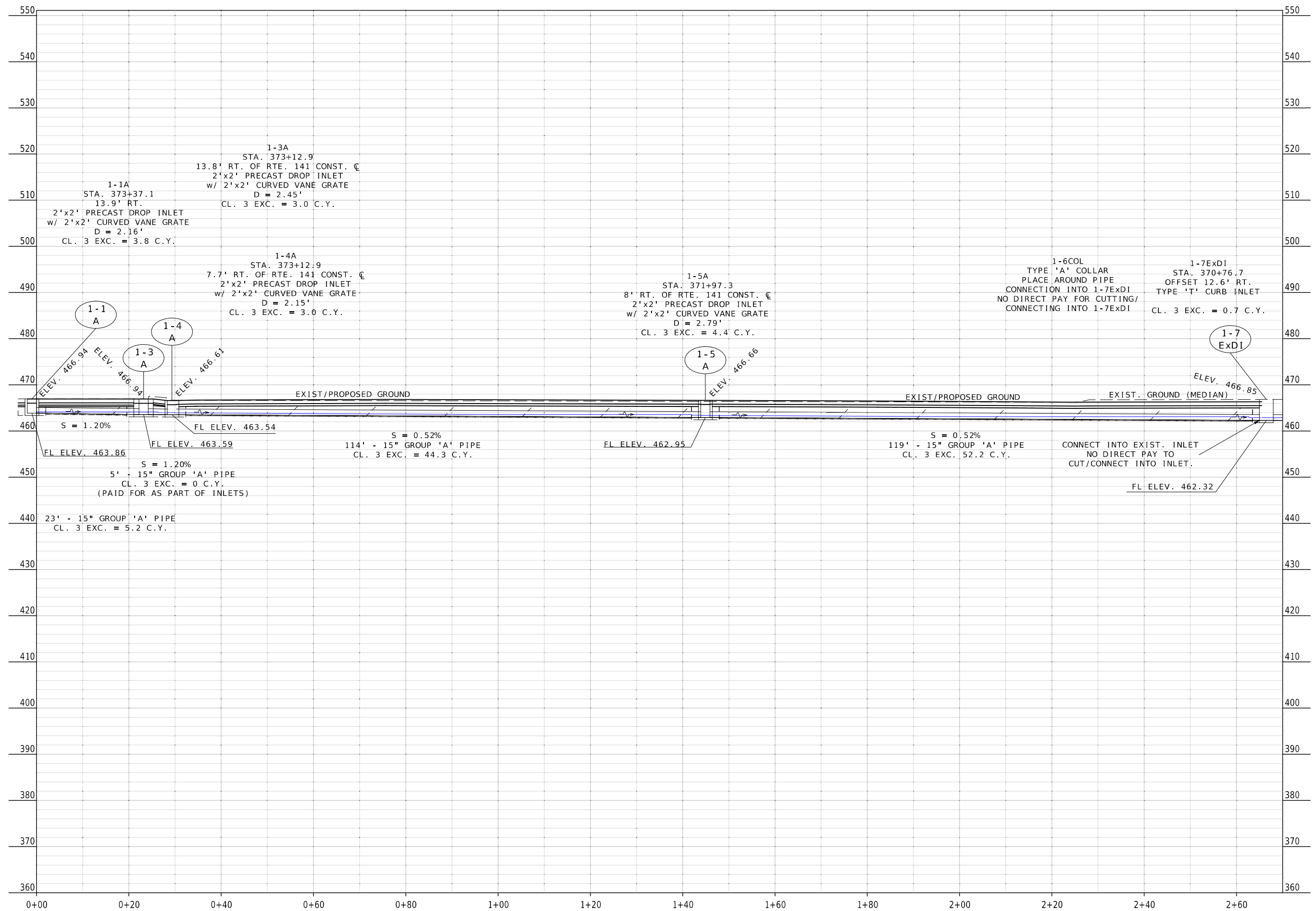
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

TRAFFIC CONTROL SHEET
CENTER LINE / LANE LINE
STRIPING ON MULTI-LANE
DIVIDED HIGHWAYS

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



DATE PREPARED
7/18/2023

ROUTE	STATE
141	MO

141	MO
DISTRICT	SHEET NO.
SI	11

3L	11
COUNTY	
ST	LOUIS

ST. LOUIS
JOB NO.
1610017

JSL0017
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

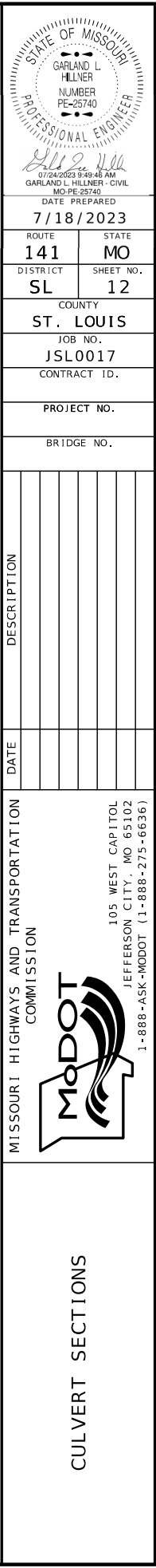
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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CULVERT SECTIONS

[illegible]



CULVERT SECTIONS