

DESIGN DESIGNATION

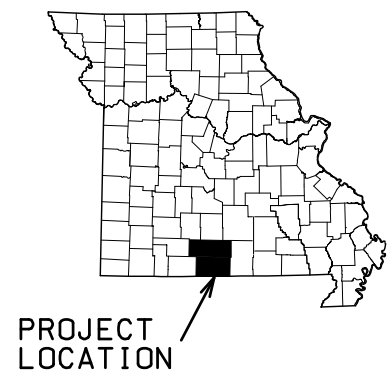
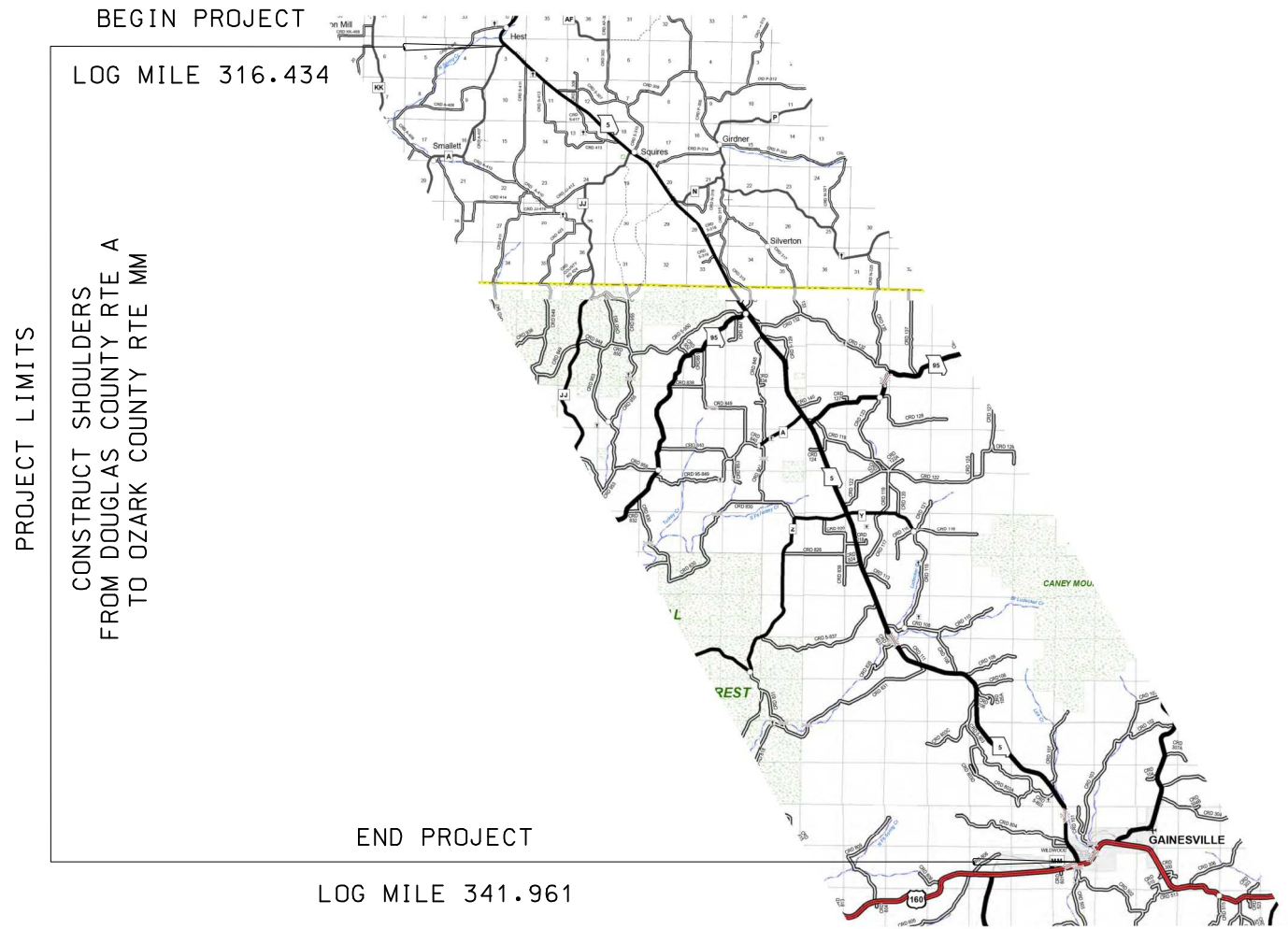
A.A.D.T. - 2022 = 1734
 A.A.D.T. - 2031 = 1813
 D.H.V. = 9%
 T = 18%
 V = 60 M.P.H.

FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

NO ADDITIONAL RIGHT OF WAY IS REQUIRED FOR THIS PROJECT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY

DOUGLAS COUNTY & OZARK COUNTY



**CONVENTIONAL SYMBOLS
 (USED IN PLANS)**

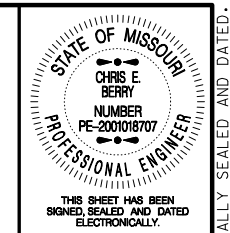
	EXISTING	NEW
BUILDINGS AND STRUCTURES	[Symbol]	[Symbol]
GUARD RAIL	[Symbol]	[Symbol]
GUARD CABLE	[Symbol]	[Symbol]
CONCRETE RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
STEEL RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
LOCATION SURVEY MARKER	[Symbol]	[Symbol]
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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
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QUANTITIES (QU) (3 SHEETS)-----	3
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TRAFFIC CONTROL SHEETS (TC)-----	8-11



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 7/16/2021

ROUTE	STATE
5	MO
DISTRICT	SHEET NO.
SE	1

COUNTY: DOUGLAS/OZARK

JOB NO.: J9P3746

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DATE	DESCRIPTION

LENGTH OF PROJECT

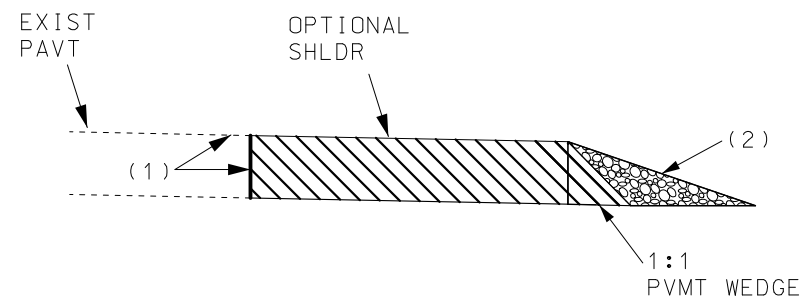
BEGINNING OF PROJECT	LOG MILE 316.434
END OF PROJECT	LOG MILE 341.961
APPARENT LENGTH	134782.56 FEET
EQUATIONS AND EXCEPTIONS:	
BRIDGE A2086	213 FEET
BRIDGE H0036	108 FEET
TOTAL CORRECTIONS	321 FEET
NET LENGTH OF PROJECT	134461.56 FEET
STATE LENGTH	25.466 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES

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.

SHOULDER DETAIL

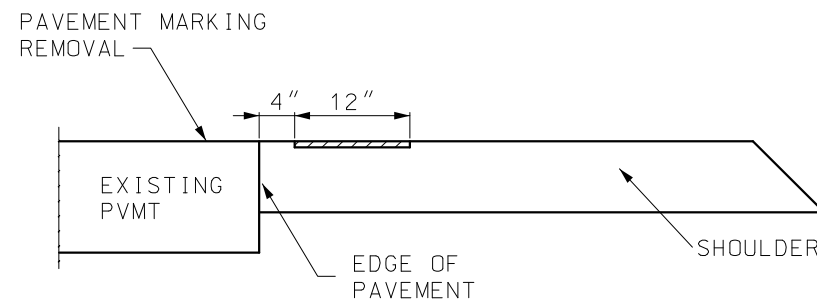


(1) VERTICAL FACE TO BE LOCATED AT THE EDGE OF THE FULL DEPTH PAVEMENT. VERTICAL FACE SHALL BE PROVIDED BY EITHER MILLING OR SAW CUTTING AT NO DIRECT PAY AND SHALL BE TACKED PRIOR TO PAVING AT NO DIRECT PAY. AFTER EXISTING EDGELINE PAVEMENT PAVEMENT MARKING HAS BEEN REMOVED 8" OF THE EXISTING PAVEMENT SHALL BE TACKED PRIOR TO PAVING AT NO DIRECT PAY. TACK SHALL BE SS-1H AND BE APPLIED AT 0.08 GAL/SY.

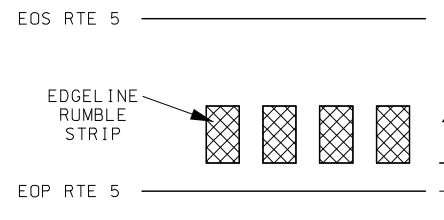
(2) AGGREGATE EDGE TREATMENT SHALL BE APPLIED TO RT & LT TO ACHIEVE A 3:1 SLOPE FOR ENTIRE LENGTH OF PROJECT.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

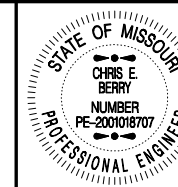
EDGELINE RUMBLE STRIP LOCATION



EDGELINE RUMBLE STRIP LOCATION



EDGELINE RUMBLE STRIP LOCATION (TOP ELEVATION)



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/19/2021

ROUTE 5 STATE MO

DISTRICT SE SHEET NO. 2

COUNTY DOUGLAS/OZARK

JOB NO. J9P3746

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

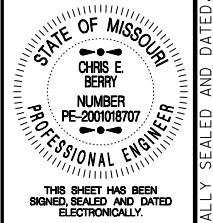
TYPICAL SECTION
SHEET 2 OF 2

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

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
W01-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT ARROW)
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
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	7	112.00				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)
W04-1cL	48X48	16.00						MERGE (ARROW SYMBOL)
W04-1cR	48X48	16.00						MERGE (ARROW SYMBOL)
W05-1	48X48	16.00						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 (WITH FLAGS)
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)
W08-17	48X48	16.00						SHOULDER DROP-OFF (SYMBOL)
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						ADVISORY SPEED (PLAQUE)
W016-2	30X24	5.00						XXX FEET (PLAQUE)
W016-3	30X24	5.00						X MILE (PLAQUE)
W020-1	48X48	16.00	12	192.00				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	6	96.00				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						RIGHT/CENTER/LEFT LANE CLOSED
W020-7a	48X48	16.00	12	192.00				FLAGGER (SYMBOL, WITH FLAGS)
W021-2	36X36	9.00						FRESH OIL
W021-5	48X48	16.00						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
G022-1	21X15	2.19	4	8.76				WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION	
GUIDE SIGNS									
E05-1	36X48	12.00						GORE EXIT	
E05-2	48X36	12.00						EXIT OPEN	
E05-2a	48X36	12.00						EXIT CLOSED	
G020-1	60X24	10.00	2	20.00				ROAD WORK NEXT XX MILES	
G020-2	48X24	8.00	2	16.00				END ROAD WORK	
G020-4	36X18	4.50	1	4.50				PILOT CAR FOLLOW ME	
G020-4a	42X30	8.75	10	87.50				PILOT CAR IN USE WAIT & FOLLOW	
G020-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	
G020-5aP	36X24	6.00						WORK ZONE (PLAQUE)	
M04-8a	24X18	3.00						END DETOUR	
M04-9L	48X36	12.00						DETOUR (LEFT ARROW)	
M04-9R	48X36	12.00						DETOUR (RIGHT ARROW)	
M04-9P	48X12	4.00						STREET NAME (PLAQUE)	
M04-10L	48X18	6.00						DETOUR (ARROW LEFT)	
M04-10R	48X18	6.00						DETOUR (ARROW RIGHT)	
REGULATORY SIGNS									
R1-1	48X48	13.25						STOP	
R1-2	48TRI.	6.93						YIELD	
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	
R1-3P	30X12	2.50						ALL WAY (PLAQUE)	
R2-1	36X48	12.00						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	
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	
R4-7a	36X48	12.00						KEEP RIGHT (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						SIDEWALK CLOSED	
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)	
R11-2	48X30	10.00						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	
MISCELLANEOUS SIGNS									
CONST-5	48X36	12.00						POINT OF PRESENCE	
CONST-5	96X48	32.00						POINT OF PRESENCE	
CONST-7	48X24	8.00	2	16.00				RATE OUR WORK ZONE	
CONST-7	72X36	18.00						RATE OUR WORK ZONE	
CONST-8	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE	
CONSTRUCTION SIGNS									
				TOTAL					769
RELOCATED SIGNS									
				TOTAL					0

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123000A	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161008		ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	200	CHANNELIZER (TRIM LINE)
6161030		TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161051		WARNING LIGHT, TYPE A
6161052		WARNING LIGHT, TYPE B
6161053		WARNING LIGHT, TYPE C
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6162004	4	TEMPORARY SHORT-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING



DATE PREPARED
7/19/2021

ROUTE
5

STATE
MO

DISTRICT
SE

SHEET NO.
3

COUNTY
DOUGLSS/OZARK

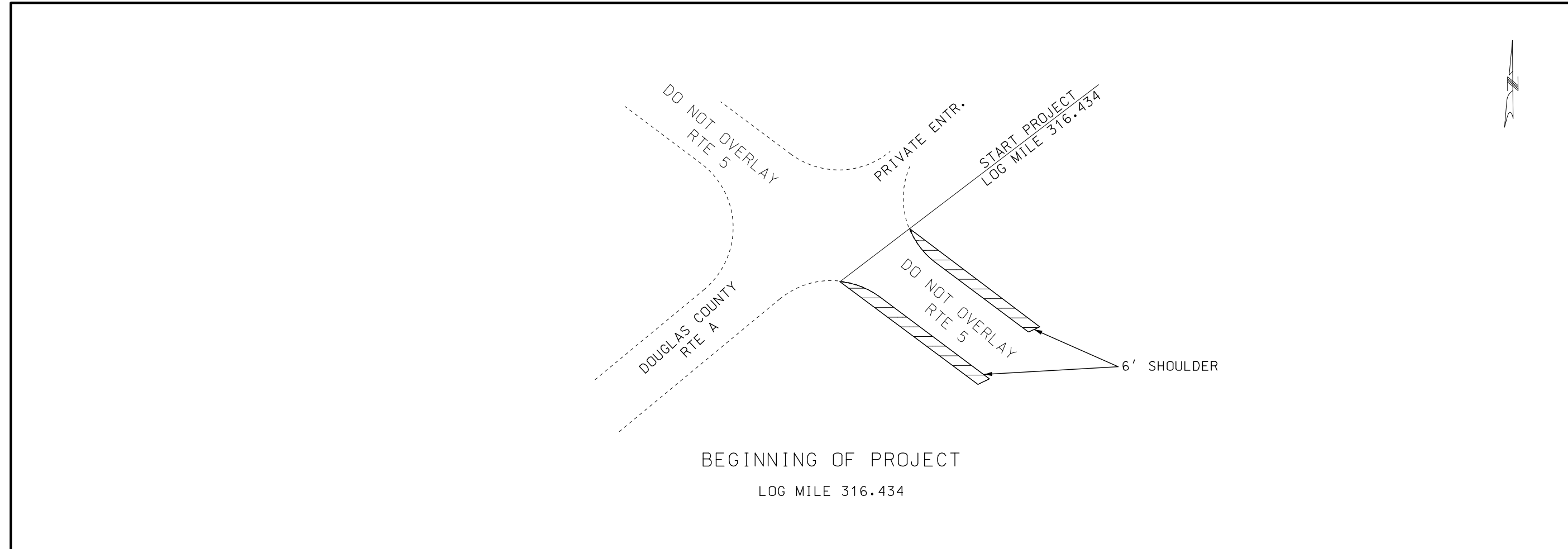
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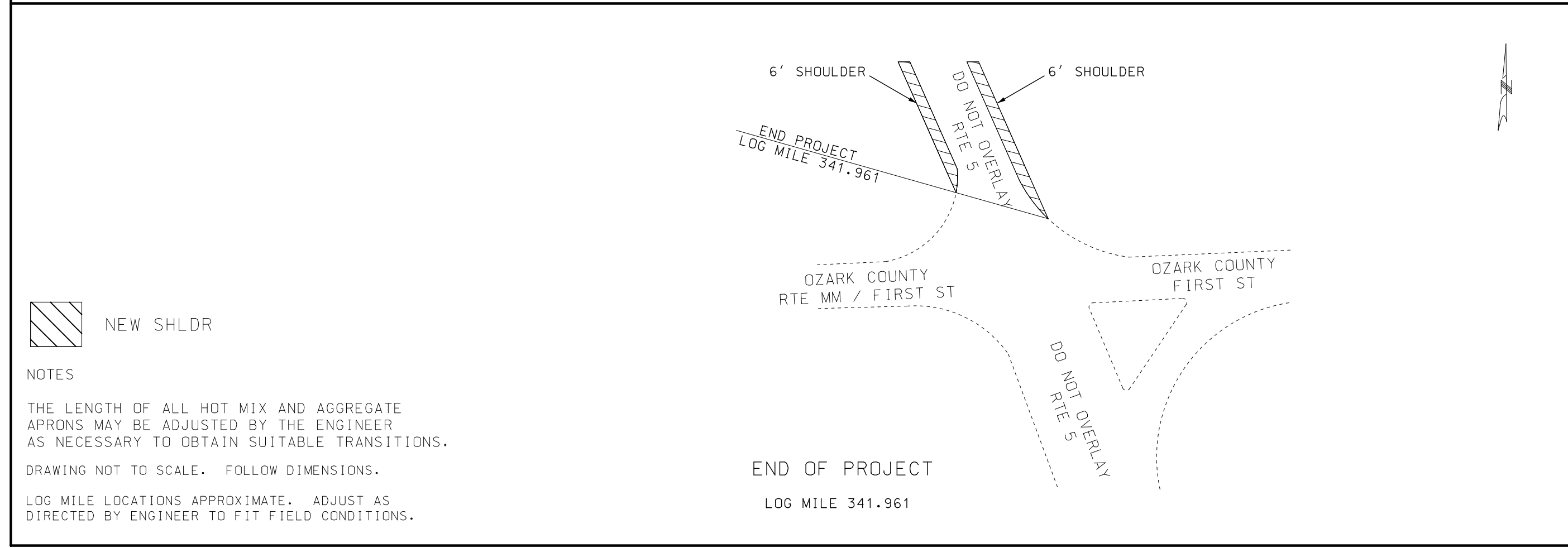
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE



BEGINNING OF PROJECT
LOG MILE 316.434



END OF PROJECT
LOG MILE 341.961

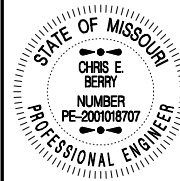
 NEW SHLDR

NOTES

THE LENGTH OF ALL HOT MIX AND AGGREGATE APRONS MAY BE ADJUSTED BY THE ENGINEER AS NECESSARY TO OBTAIN SUITABLE TRANSITIONS.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

LOG MILE LOCATIONS APPROXIMATE. ADJUST AS DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS.




THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2021	
ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 4
COUNTY DOUGLAS/OZARK	
JOB NO. J9P3746	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

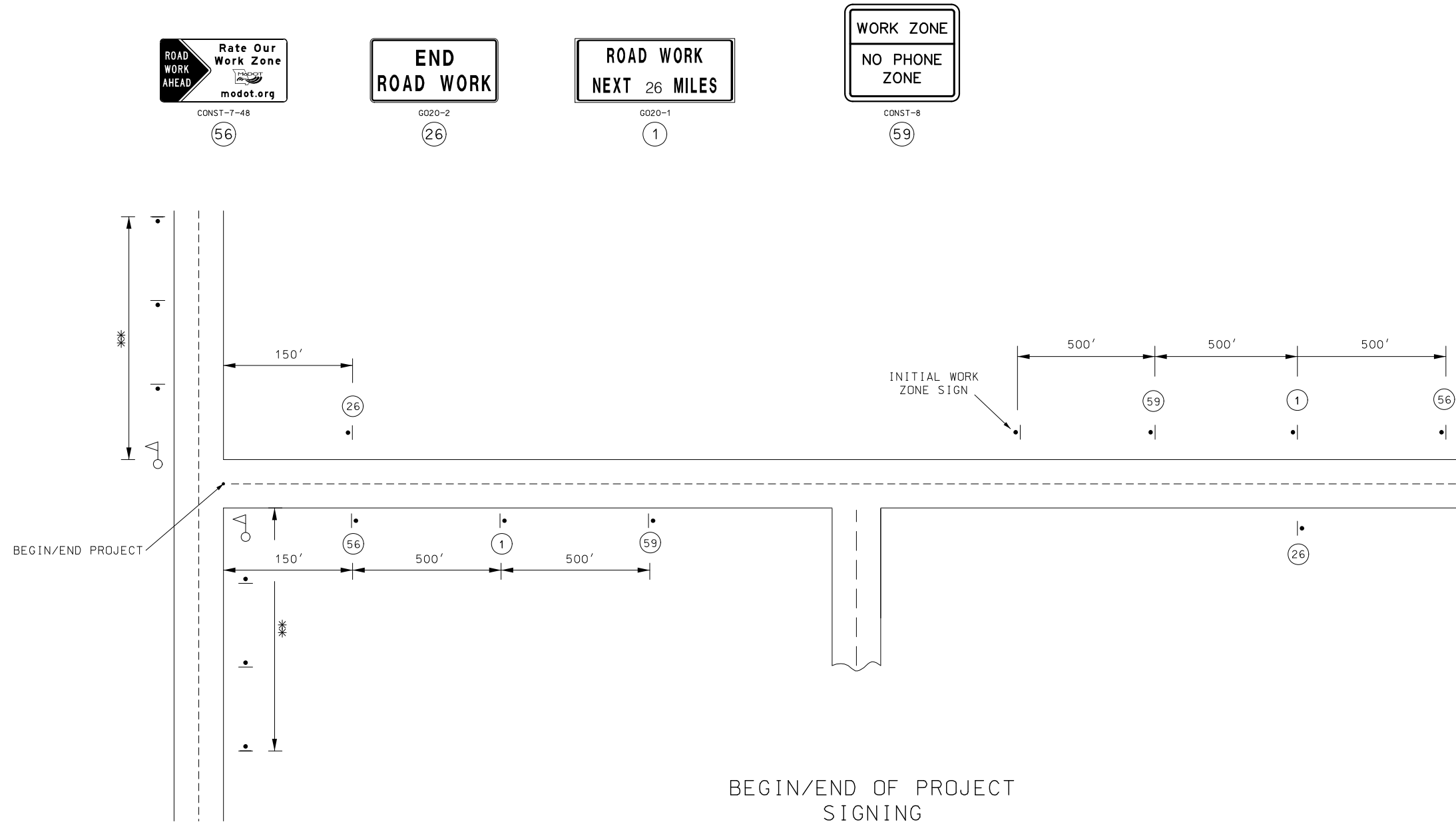


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 1 OF 4

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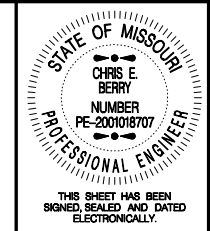
** WHEN NEEDED, THE WORK ZONE SIGNS FOR THE CROSSING ROUTE SHALL BE IN ACCORDANCE WITH THE APPROPRIATE FLAGGER CONTROL SET-UP SHOWN ELSEWHERE IN THE TRAFFIC CONTROL PLANS.



NOTES:
 ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.
 DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.
 ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
 NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.
 DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◁ FLAGGER



DATE PREPARED
7/16/2021

ROUTE 5	STATE MO
DISTRICT SE	SHEET NO. 8

COUNTY
DOUGLS/OZARK

JOB NO.
J9P3746

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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TRAFFIC CONTROL SHEET 1 OF 4

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

