MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY DENT COUNTY

DESIGN DESIGNATION

A.A.D.T. - 2024 = 4230
T = 7.2 %
V = 45 M.P.H.
FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

NO NEW R/W

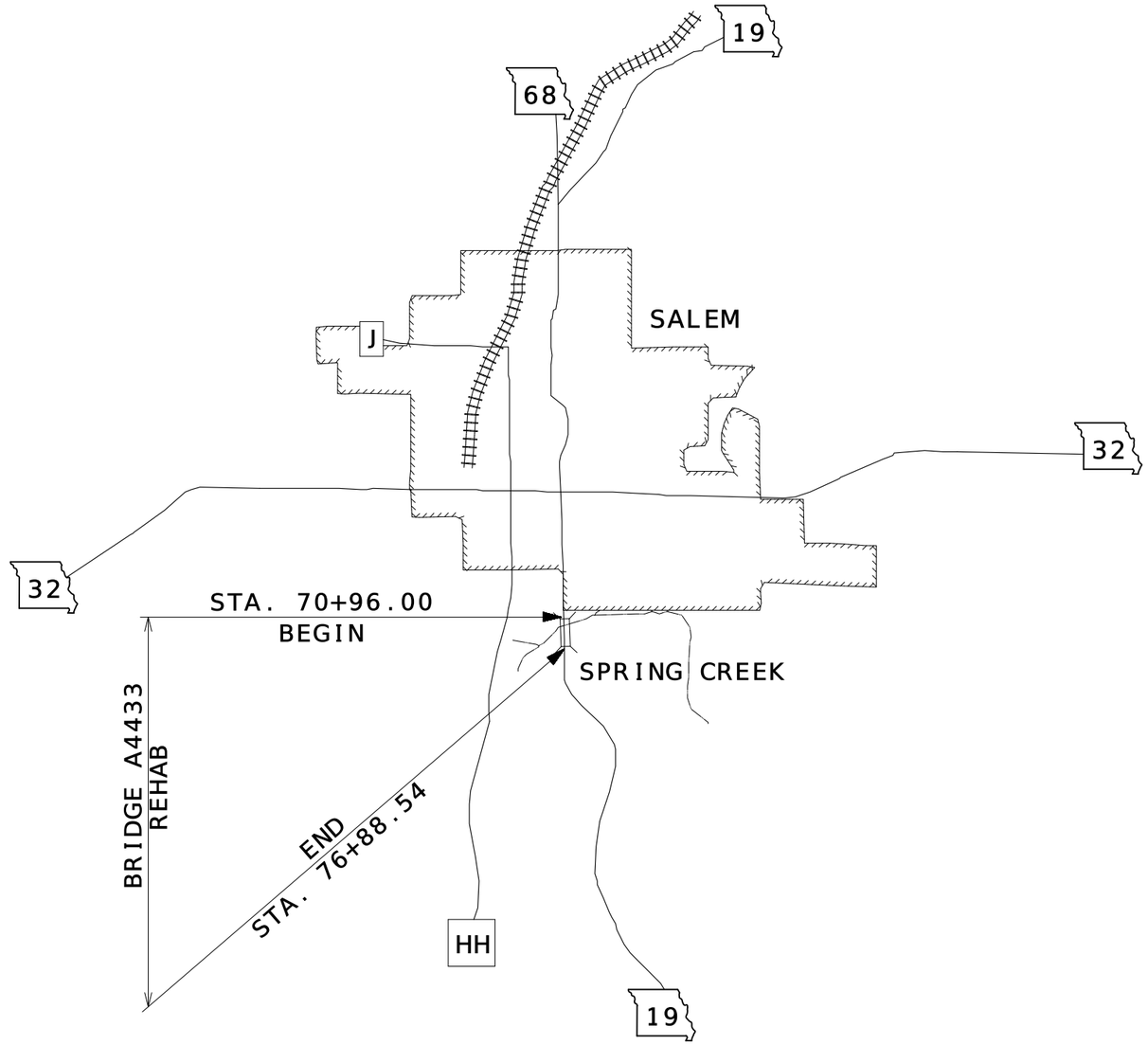


KEY MAP
LOCATION OF DENT COUNTY

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	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	-V-	
WOVEN WIRE	-X-	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



NOT TO SCALE

UTILITY INFORMATION NOTE:

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (2 SHEETS)	2
QUANTITIES (QU) (2 SHEETS)	3
SPECIAL SHEET (SS)	4
TRAFFIC CONTROL SHEETS (TC)	5-10
BRIDGE DRAWINGS (B)	
A4433	1

LENGTH OF PROJECT

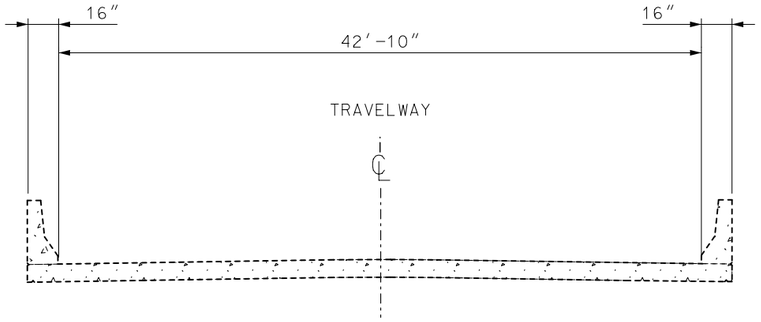
ROUTE 19		
BEGINNING OF PROJECT	STA. 70+96.00	
END OF PROJECT	STA. 76+88.54	
APPARENT LENGTH	592.54	FEET
TOTAL CORRECTIONS	0.00	MILES
NET LENGTH OF PROJECT	592.54	FEET
STATE LENGTH	0.112	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.1	ACRES

STATE OF MISSOURI
MARIA K PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:39:40 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED: 9/28/2026
ROUTE: 19 | STATE: MO
DISTRICT: CD | SHEET NO.: 1
COUNTY: DENT
JOB NO.: JCD0035
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

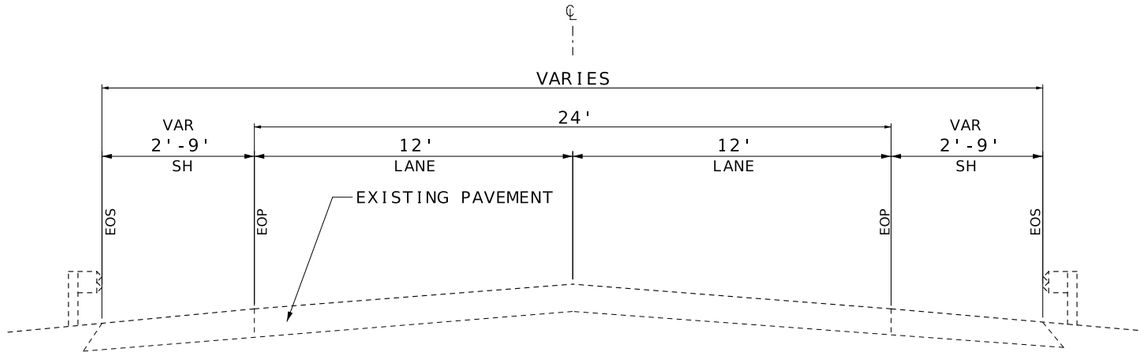
DESCRIPTION	DATE

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



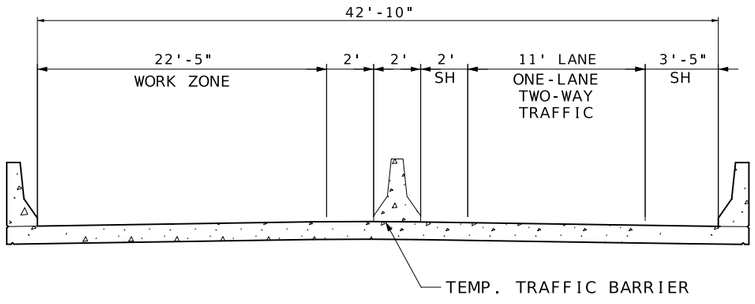
EXISTING TYPICAL SECTION
ON BRIDGE A4433

ROUTE 19
STA.73+66.00 TO STA. 74+33.54

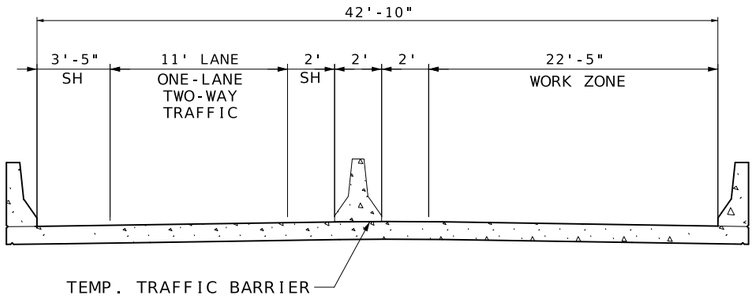


EXISTING TYPICAL SECTION
ON ROADWAY

ROUTE 19



TEMPORARY TRAFFIC LANE ON BRIDGE A4433- STAGE 2
EAST SIDE CLOSURE



TEMPORARY TRAFFIC LANE ON BRIDGE A4433- STAGE 2
WEST SIDE CLOSURE

BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	1.948 TON/YD³
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	1.943 TON/YD³
TACK COAT- COLDMILLING SURFACES	0.10 GAL/YD²
TACK COAT- NEW ASPHALT SURFACES	0.05 GAL/YD²

NOT TO SCALE

TYPICAL SECTION
SHEET 1 OF 2

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:40:14 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
DENT

JOB NO.
JCD0035

CONTRACT ID.

PROJECT NO.

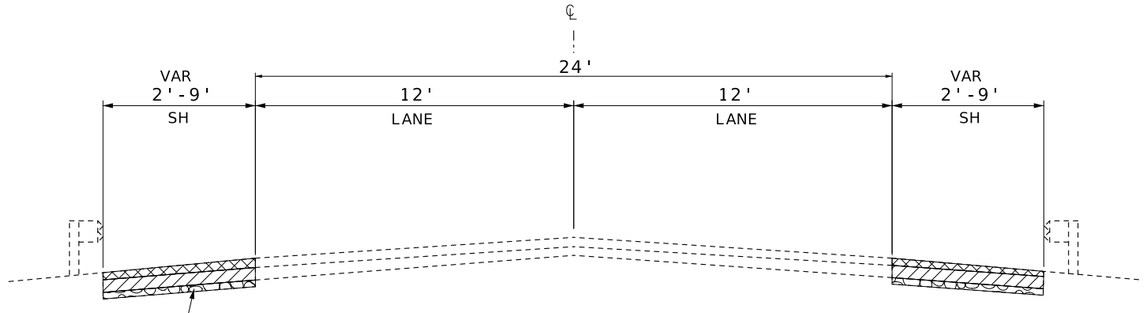
BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

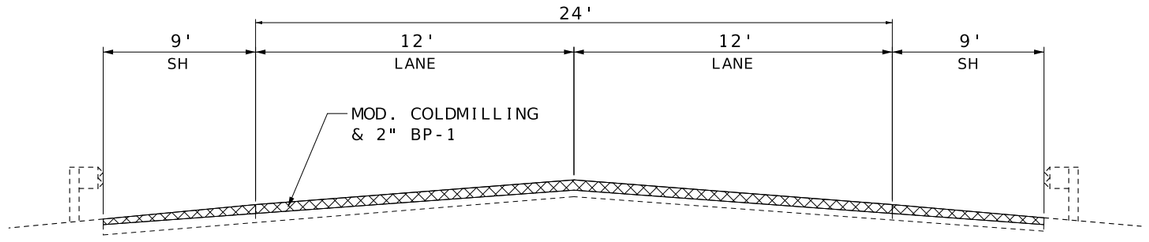
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



REMOVE/REPLACE ASPHALT
SHOULDER, TYP.
2" BP-1 (PG 64-22)
4" BIT. BASE (PG 64-22)
4" TYPE I AGG FOR BASE
ASPHALT SHOULDER:
STA. 70+96.00 TO 73+66.00
STA. 74+33.54 TO 76+88.54

PROPOSED ROADWAY SECTION SHOULDER WORK- STAGE 1

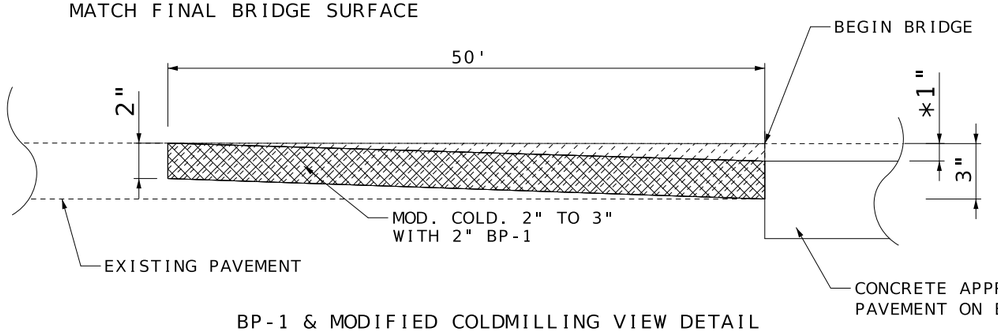
TYPICAL SECTION RTE. 19
STA. 70+96.00 TO 73+66.00
STA. 74+33.54 TO 76+88.54
(EXCLUDING BRIDGE STA.73+66.00 TO STA. 74+33.54)



PROPOSED ROADWAY SECTION ROADWAY WORK NEAR BRIDGE DECK

TYPICAL SECTION RTE. 19
STA. 73+16.00 TO STA. 74+83.54
(EXCLUDING BRIDGE STA.73+66.00 TO STA. 74+33.54)

MATCH FINAL BRIDGE SURFACE



BP-1 & MODIFIED COLDMILLING VIEW DETAIL

* APPROX 1" ELEVATION DIFFERENCE AT BRIDGE ENDS AFTER BRIDGE REHAB WORK COMPLETE.

BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	1.948 TON/YD^3
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	1.943 TON/YD^3
TACK COAT- COLDMILLING SURFACES	0.10 GAL/YD^2
TACK COAT- NEW ASPHALT SURFACES	0.05 GAL/YD^2

NOT TO SCALE
TYPICAL SECTION
SHEET 2 OF 2

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:41:13 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
DENT

JOB NO.
JCD0035

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)

TYPE 1 AGGREGATE FOR BASE (4 IN. THICK)

STA	STA	LOCATION	SIDE	WIDTH FT	AREA SQ. FT.	QUANTITY SY	DESCRIPTION
70+96.00	73+66.00	RTE. 19	LT	VARIES	2182.2	242.5	STAGE 1 SHOULDER WORK
70+96.00	73+66.00	RTE. 19	RT	VARIES	2050.3	227.8	STAGE 1 SHOULDER WORK
73+66.00	74+33.54	RTE. 19					BRIDGE A4433
74+33.54	76+88.54	RTE. 19	LT	VARIES	1858.4	206.5	STAGE 1 SHOULDER WORK
74+33.54	76+88.54	RTE. 19	RT	VARIES	2160.2	240.0	STAGE 1 SHOULDER WORK
					TOTAL	916.8	
					USE	917.0	

RUMBLE STRIPS

STA	STA	LOCATION	SIDE	LENGTH FT	BITUMINOUS SHOULDER RUMBLE STRIPS STA	BITUMINOUS CENTERLINE RUMBLE STRIPS STA
74+33.54	74+83.54	RTE. 19		50		0.5
74+33.54	76+88.54	RTE. 19	RT	255.0	5.1	
			TOTAL	TOTAL	5.1	0.5
			USE	USE	5.1	0.5

4" BITUMINOUS PAVEMENT MIXTURE PG 64-22 (BASE)

STA	STA	LOCATION	SIDE	WIDTH FT	AREA SQ. FT.	BITUMINOUS MIX 1.943 TON/CUYD TONS	DESCRIPTION
70+96.00	73+66.00	RTE. 19	LT	VARIES	2182.2	26.2	STAGE 1 SHOULDER WORK
70+96.00	73+66.00	RTE. 19	RT	VARIES	2050.3	24.6	STAGE 1 SHOULDER WORK
73+66.00	74+33.54	RTE. 19					BRIDGE A4433
74+33.54	76+88.54	RTE. 21	LT	VARIES	1858.4	22.3	STAGE 1 SHOULDER WORK
74+33.54	76+88.54	RTE. 19	RT	VARIES	2160.2	25.9	STAGE 1 SHOULDER WORK
					TOTAL	99.0	
					USE	99.0	

MODIFIED COLD MILLING (DEPTH TRANSITION)

STA	STA	LOCATION	LENGTH FT	QUANTITY SY	DESCRIPTION
73+16.00	73+66.00	RTE. 19	50.0	251.3	
73+66.00	74+33.54	RTE. 19			BRIDGE A4433
74+33.54	74+83.54	RTE. 19	50.0	254.2	
			TOTAL	505.50	
			USE	506	

2" BITUMINOUS PAVEMENT MIXTURE PG 64-22 (BP-1)

STA	STA	LOCATION	SIDE	WIDTH FT	AREA SQ. FT.	BITUMINOUS MIX 1.948 TON/CUYD TONS	TACK COAT GAL	DESCRIPTION
70+96.00	73+66.00	RTE. 19	LT	VARIES	2182.2	26.2	12.1	STAGE 1 SHOULDER WORK
70+96.00	73+66.00	RTE. 19	RT	VARIES	2050.3	24.7	11.4	STAGE 1 SHOULDER WORK
73+66.00	74+33.54	RTE. 19						BRIDGE A4433
74+33.54	76+88.54	RTE. 19	LT	VARIES	1858.4	22.3	10.3	STAGE 1 SHOULDER WORK
74+33.54	76+88.54	RTE. 19	RT	VARIES	2160.2	26.0	12.0	STAGE 1 SHOULDER WORK
73+16.00	73+66.00	RTE. 19		VARIES	2261.5	27.2	25.1	STAGE 2 OF ROADWAY WORK NEAR BRIDGE DECK
73+66.00	74+33.54	RTE. 19						BRIDGE A4433
74+33.54	74+83.54	RTE. 19		VARIES	2288.0	27.5	25.4	STAGE 2 OF ROADWAY WORK NEAR BRIDGE DECK
					TOTAL	153.9	96.3	
					USE	154.0	96.0	

TEMPORARY EROSION CONTROL

LOCATION	SILT FENCE LF	SEDIMENT REMOVAL CY
RTE. 19	250	2.5
TOTAL	250	2.5
USE	250	3.0

SEEDING AND MULCHING

COOL SEASON GRASS
1 LUMP SUM

MOBILIZATION

TOTAL = 1 LUMP SUM

TEMPORARY PAVEMENT MARKING

STA	STA	LOCATION	4" SOLID YELLOW LF	4" SOLID WHITE LF	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" SOLID WHITE FT	PAVEMENT MARKING REMOVAL LF	REMARKS
69+11.00	73+66.00	LT	1000.0	265.0	12.0		SB LANE CLOSURE
69+11.00	73+66.00	RT		265.0			NB LANE CLOSURE
73+66.00	74+33.54			67.5			BRIDGE A4433-SB LANE CLOSURE
74+33.54	77+98.54	LT	1000.0	175.0	12.0		SB LANE CLOSURE
74+33.54	77+98.54	RT		175.0			SB LANE CLOSURE
73+66.00	74+33.54			67.5			BRIDGE A4433-NB LANE CLOSURE
64+11.00	69+11.00					1000.0	DOUBLE 4" SOLID YELLOW LINE REMOVAL
69+11.00	73+66.00					12.0	STOP BAR REMOVAL
73+66.00	74+33.54					67.5	REMOVAL ACROSS BRIDGE A4433
70+96.00	73+66.00	LT				265.0	TEMPORARY SOLID WHITE EDGE REMOVAL
70+96.00	73+66.00	RT				265.0	TEMPORARY SOLID WHITE EDGE REMOVAL
73+66.00	74+33.54					67.5	REMOVAL ACROSS BRIDGE A4433
74+33.54	76+88.54	LT				175.0	TEMPORARY SOLID WHITE EDGE REMOVAL
74+33.54	76+88.54	RT				175.0	TEMPORARY SOLID WHITE EDGE REMOVAL
74+33.54	77+98.54					12.0	STOP BAR REMOVAL
77+98.54	82+98.54					1000.0	DOUBLE 4" SOLID YELLOW LINE REMOVAL
69+11.00	77+98.54					887.5	EXISTING CENTER YELLOW LINE
70+96.00	76+88.54					592.5	EXISTING SB WHITE EDGE LINE
70+96.00	76+88.55					592.5	EXISTING NB WHITE EDGE LINE
		TOTAL	2000.0	1015.0	24.0	5111.5	
		USE	3015.0		24.0	5112.0	

REMOVAL OF IMPROVEMENTS

STA	STA	SIDE	QUANTITY SY	SAW CUT LF	REMARKS
70+96.00	73+66.00	LT	242.2	276.0	EXISTING SHOULDER REMOVAL
70+96.00	73+66.00	RT	227.8	276.0	EXISTING SHOULDER REMOVAL
74+33.54	76+88.54	LT	206.5	186.0	EXISTING SHOULDER REMOVAL
74+33.54	76+88.54	RT	240.0	190.0	EXISTING SHOULDER REMOVAL
		TOTAL	1 LUMP SUM		

PAVEMENT MARKING

STA	STA	LOCATION	LENGTH FT	CLASS 1 MARK, PAINT 18-MILL, TYPE P BEADS 4" SOLID YELLOW LF	4" SOLID WHITE LF
70+96.00	76+88.54	RTE. 19	592.5		1185.0
64+11.00	82+98.54	RTE. 19	1887.5	3775.0	
			TOTAL	3775.0	1185.0
			USE	3775.0	1185.0

NOTE: ALL PAVEMENT MARKINGS TO MATCH EXISTING. LOCATE BEFORE MILLING OR RESURFACING.

SUMMARY OF QUANTITIES
SHEET 1 OF 2

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:42:01 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE 19 | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY DENT
JOB NO. JCD0035
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 IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00	1	16.00			15	REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
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	2	32.00			12	SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	2	32.00			3	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						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00	2	32.00			43	ROAD 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
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						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						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	2	32.00			2	BRIDGE WORK AHEAD
WO20-1	48X48	16.00	7	112.00			2A	ROAD 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			7	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
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			8	FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	2	32.00			21	SHOULDER WORK / 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	4.38			60	WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
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	2	12.00			54	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						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	2	24.00			4	SPEED LIMIT 35
R2-1	48X48	16.00	2	32.00			25	SPEED LIMIT 45 (NORMAL SPEED)
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						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	2	12.00			47	STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00	2	24.00			68	POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00	2	24.00			70	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL	480*
616-10.10 RELOCATED SIGNS		TOTAL

EFFECTIVE: 07-01-2025

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009	2	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	2	REPLACEMENT SAND BARREL
6122030	2	IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	40*	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	1*	TYPE 3 MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
	2	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		KEEP RIGHT (HORIZONTAL ARROW)
6162000A	1	WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002	2	TEMPORARY LONG-TERM RUMBLE STRIPS
	365	TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173600D		
		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173700B		
		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6174000A		
6175010A	365	RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169902	2	RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL

6169901	1	LUMP SUM TEMPORARY TRAFFIC CONTROL (*ITEM INCLUDED)

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:42:42 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED: 9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	3

COUNTY: DENT

JOB NO.: JCD0035

CONTRACT ID.:

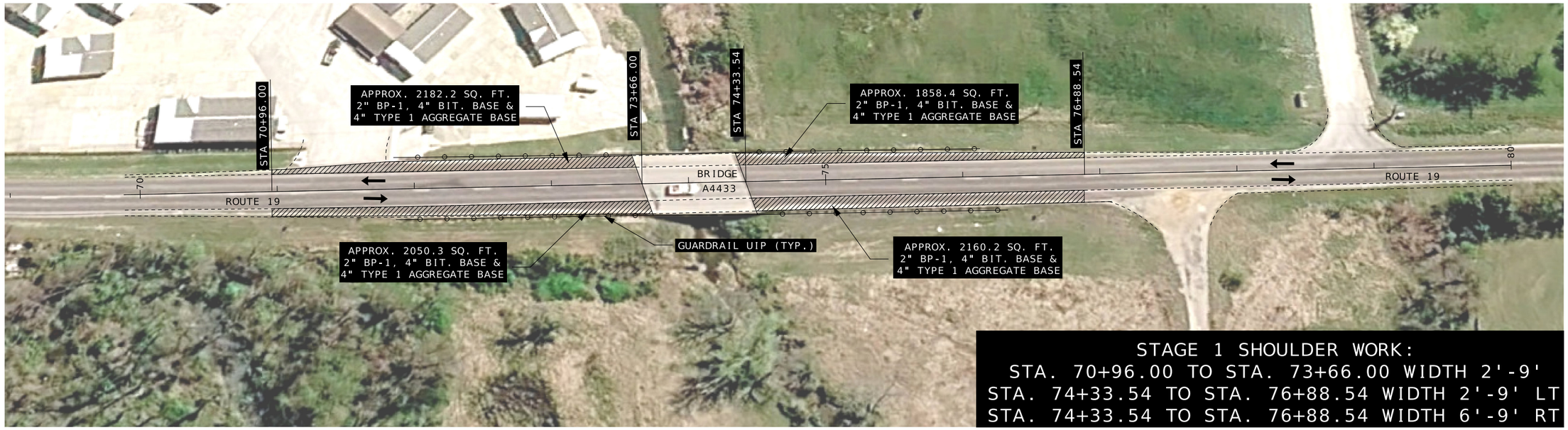
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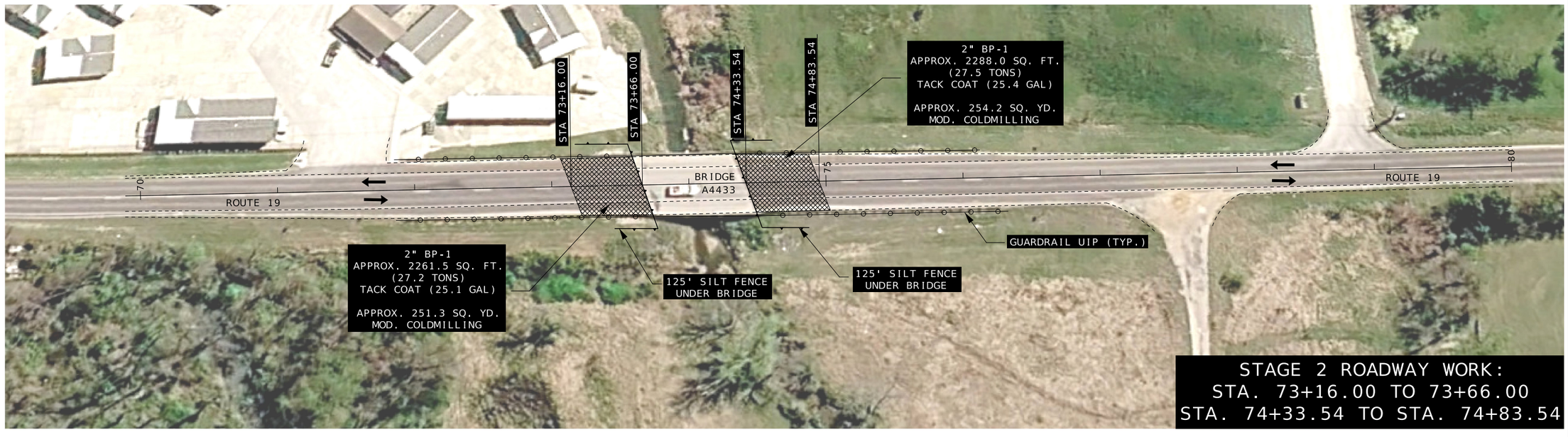
BRIDGE NO.:

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 2





ROUTE 19 STATE BRIDGE A4433

SPECIAL SHEET
1 OF 1

STATE OF MISSOURI
MARIA K PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:43:26 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	4

COUNTY
DENT

JOB NO.
JCD0035

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 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

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

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

TAPER LENGTH (L):

L = WS FOR 40 MPH OR MORE

$L = \frac{WS^2}{60}$ FOR 35 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

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

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
- DIRECTION INDICATOR BARRICADE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD
- FLASHING ARROW PANEL
- TMA (TRUCK MOUNTED ATTENUATOR) WITH FLASHING ARROW PANEL

STATE OF MISSOURI
MARIA K PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:44:14 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED: 9/28/2026

ROUTE: 19 | STATE: MO

DISTRICT: CD | SHEET NO.: 5

COUNTY: DENT

JOB NO.: JCD0035

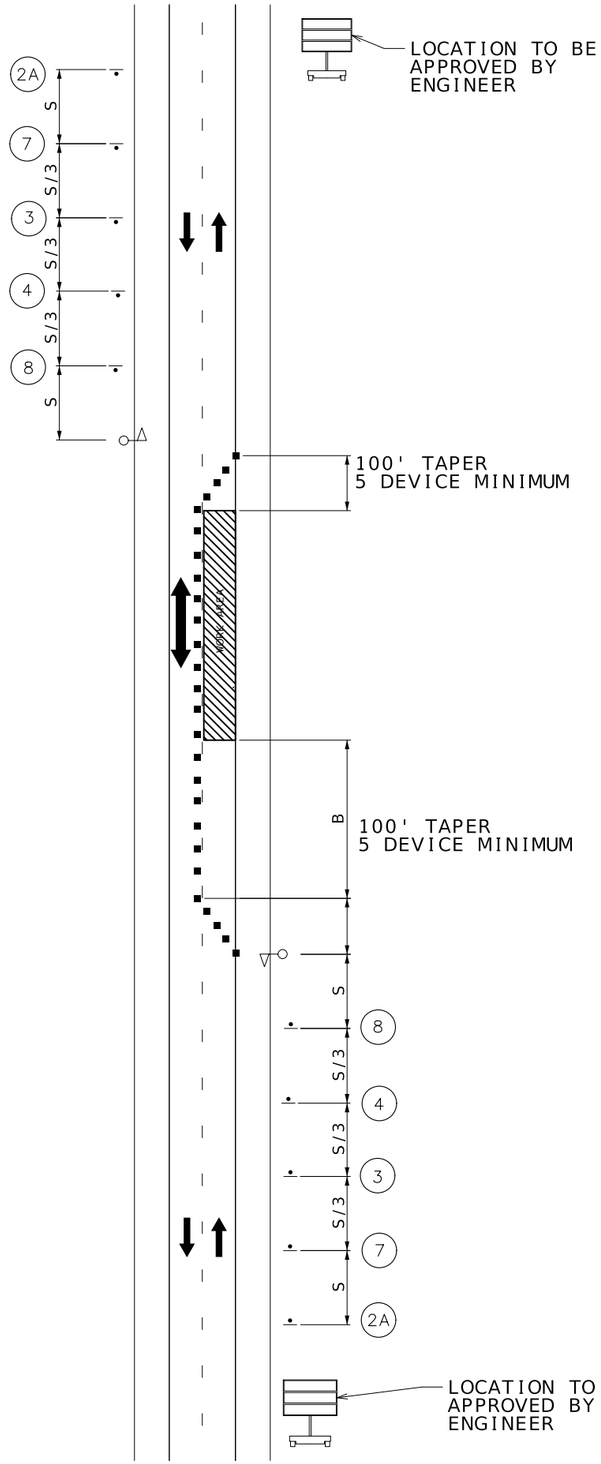
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PROJECT NO.:

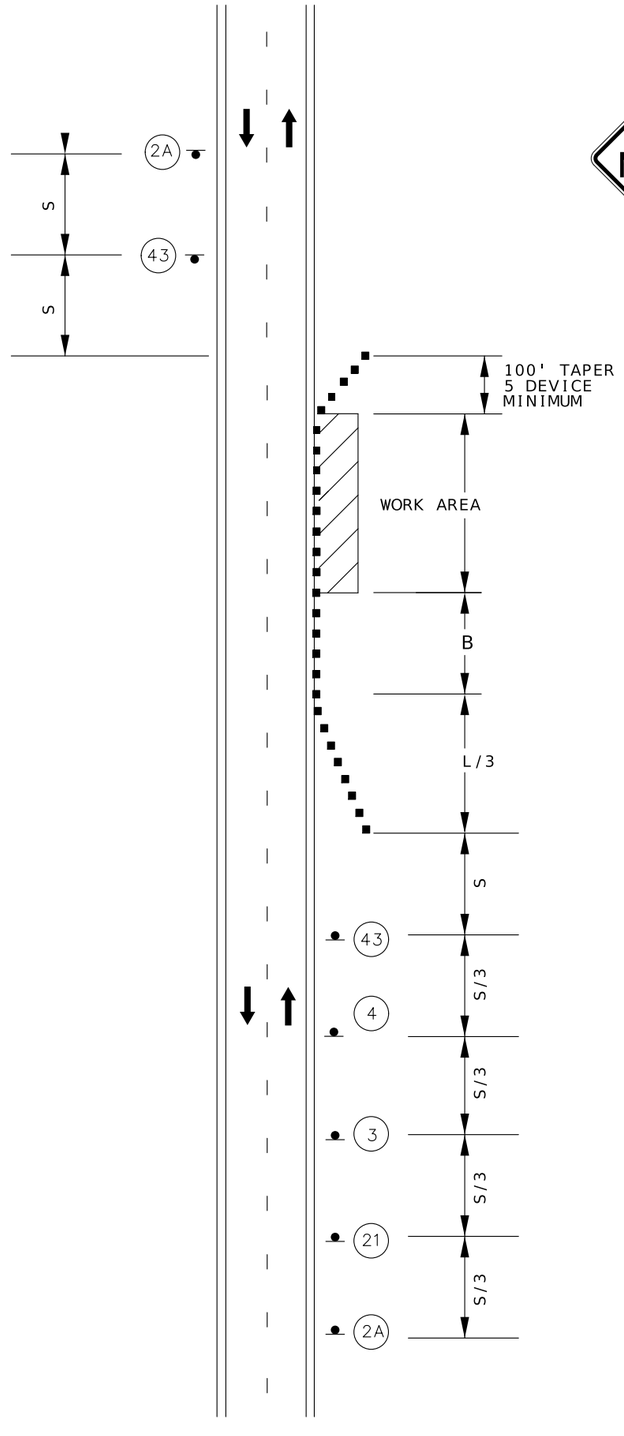
BRIDGE NO.:

DESCRIPTION	DATE

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



LANE CLOSURE ON TWO-LANE ROAD
USING FLAGGERS



WORK ON THE SHOULDER ON
UNDIVIDED HIGHWAYS

NOT TO SCALE



WO5-1
(43)



WO20-4
(7)



WO20-7a
(8)



GO20-5aP
(54)



WO3-5
(3)



WO21-5b
(21)



WO20-1
(2A)



R2-1
(4)

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

TEMPORARY TRAFFIC CONTROL STAGE 1
SHEET 2 OF 6

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:44:45 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	6

COUNTY
DENT

JOB NO.
JCD0035

CONTRACT ID.

PROJECT NO.

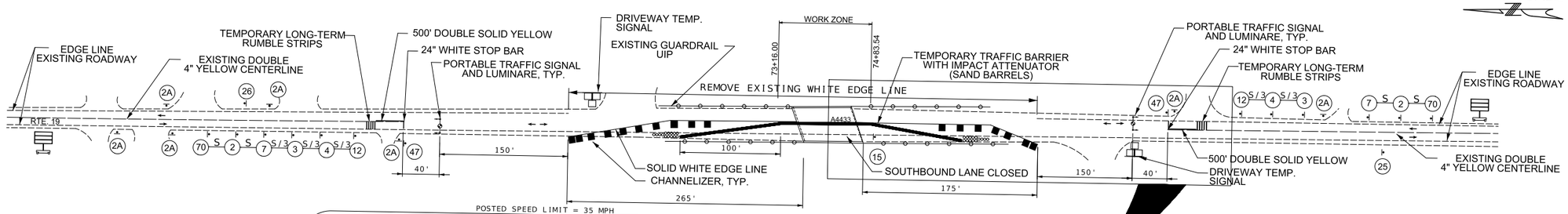
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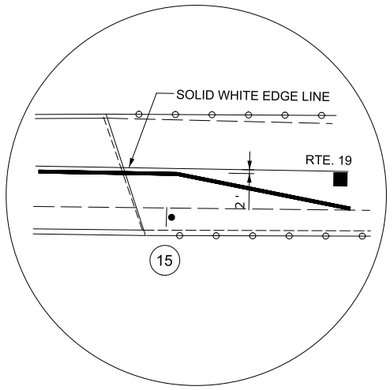
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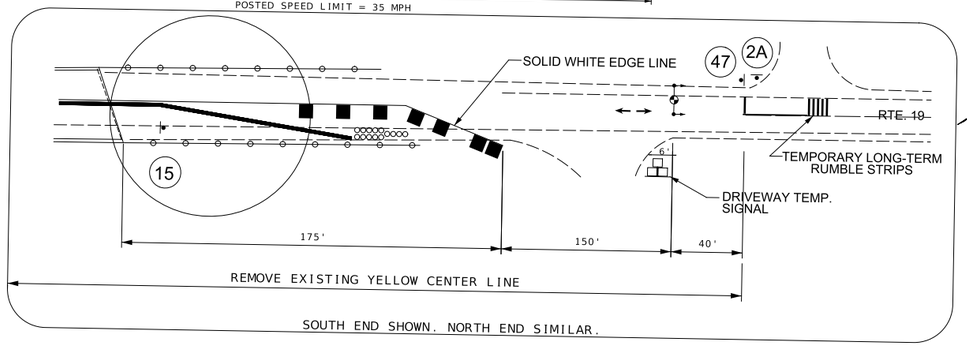
DATE

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

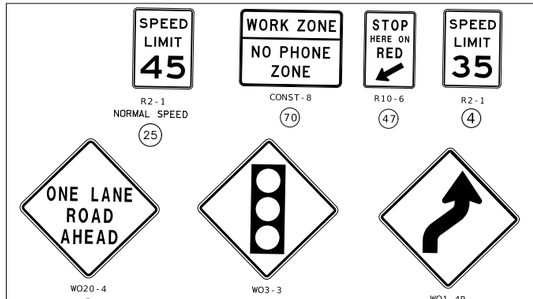
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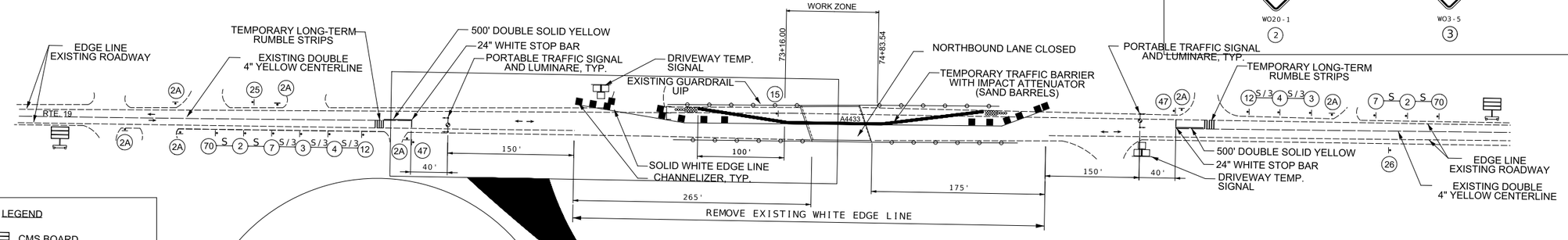


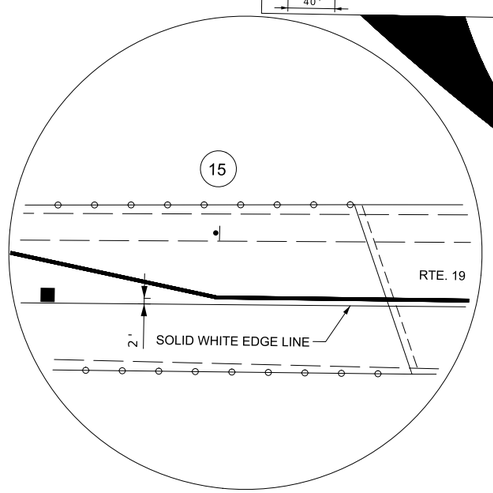


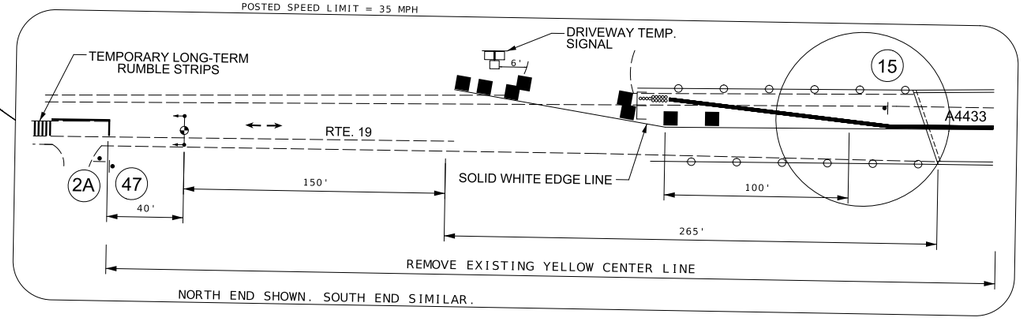


WEST SIDE CLOSURE









EAST SIDE CLOSURE

LEGEND

- CMS BOARD
- IMPACT ATTENUATOR
- SIGN
- TEMP. TRAFFIC BARRIER
- PORTABLE TRAFFIC SIGNAL
- DRIVEWAY TEMP. SIGNAL
- TEMPORARY LONG-TERM RUMBLE STRIPS

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SIGNS ARE NOT SHOWN IN THE ACTUAL DARD LOCATION DUE TO DRAWINGS SPACE CONSTRAINTS. FOLLOW DIMENSIONS.

TEMPORARY TRAFFIC CONTROL STAGE 2
SHEET 3 OF 6

STATE OF MISSOURI
MARIA K PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 2:25:05 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	7

COUNTY
DENT

JOB NO.
JCD0035

CONTRACT ID.

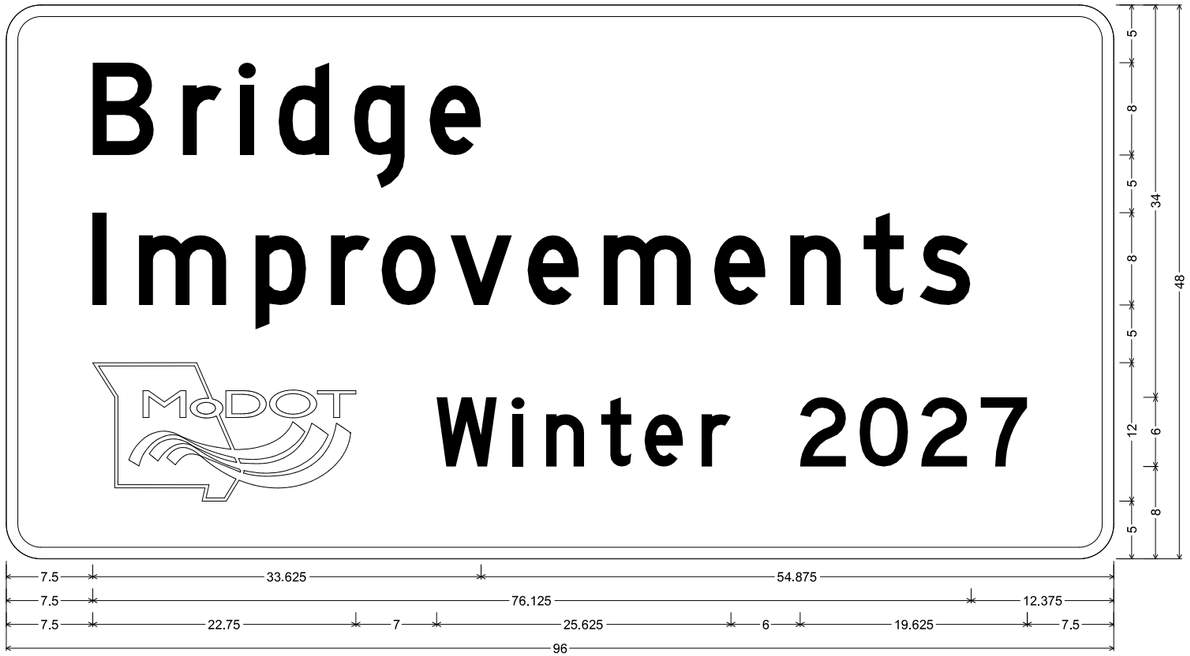
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



CONST-5 SH-FLAT SHEET;
3.000" Radius, 1.000" Border, White on, Green;
"Bridge", D; "Improvements", D; "Winter 2027", D;
Table of letter and object lefts

B 7.500	r 15.250	l 20.250	d 23.625	g 30.125	e 36.750

l 7.500	m 11.500	p 21.625	r 28.125	o 32.500	v 38.500	e 45.250	m 51.750	e 61.375	n 68.000	t 74.375	s 79.125

7.500	W 37.250	i 43.875	n 46.750	t 51.625	e 55.375	r 60.250	2 68.875	0 74.000	2 79.375	7 84.500

NOTES:

THE POINT OF PRESENCE IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS.

IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN 2.

THE LOCATION OF THE POINT OF PRESENCE SIGN IS CONSIDERED PERMANENT FOR THE DURATION OF THE PROJECT.

TEPORARY TRAFFIC CONTROL SHEET
SHEET 4 OF 6

STATE OF MISSOURI
MARIA K PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:45:12 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	8

COUNTY
DENT

JOB NO.
JCD0035

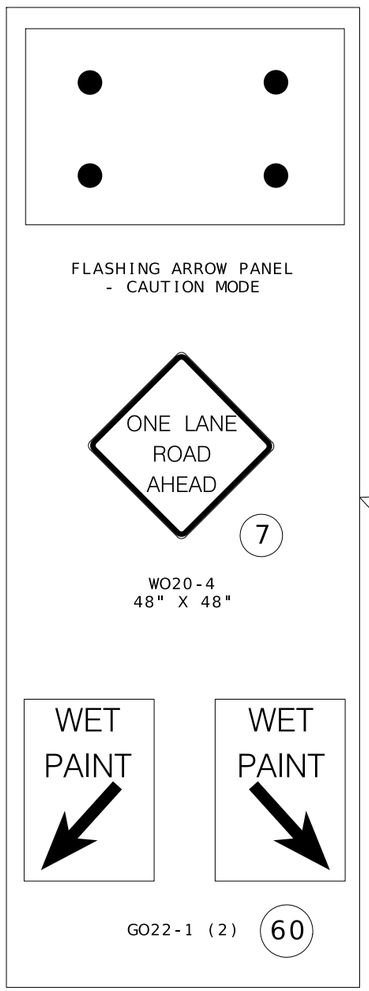
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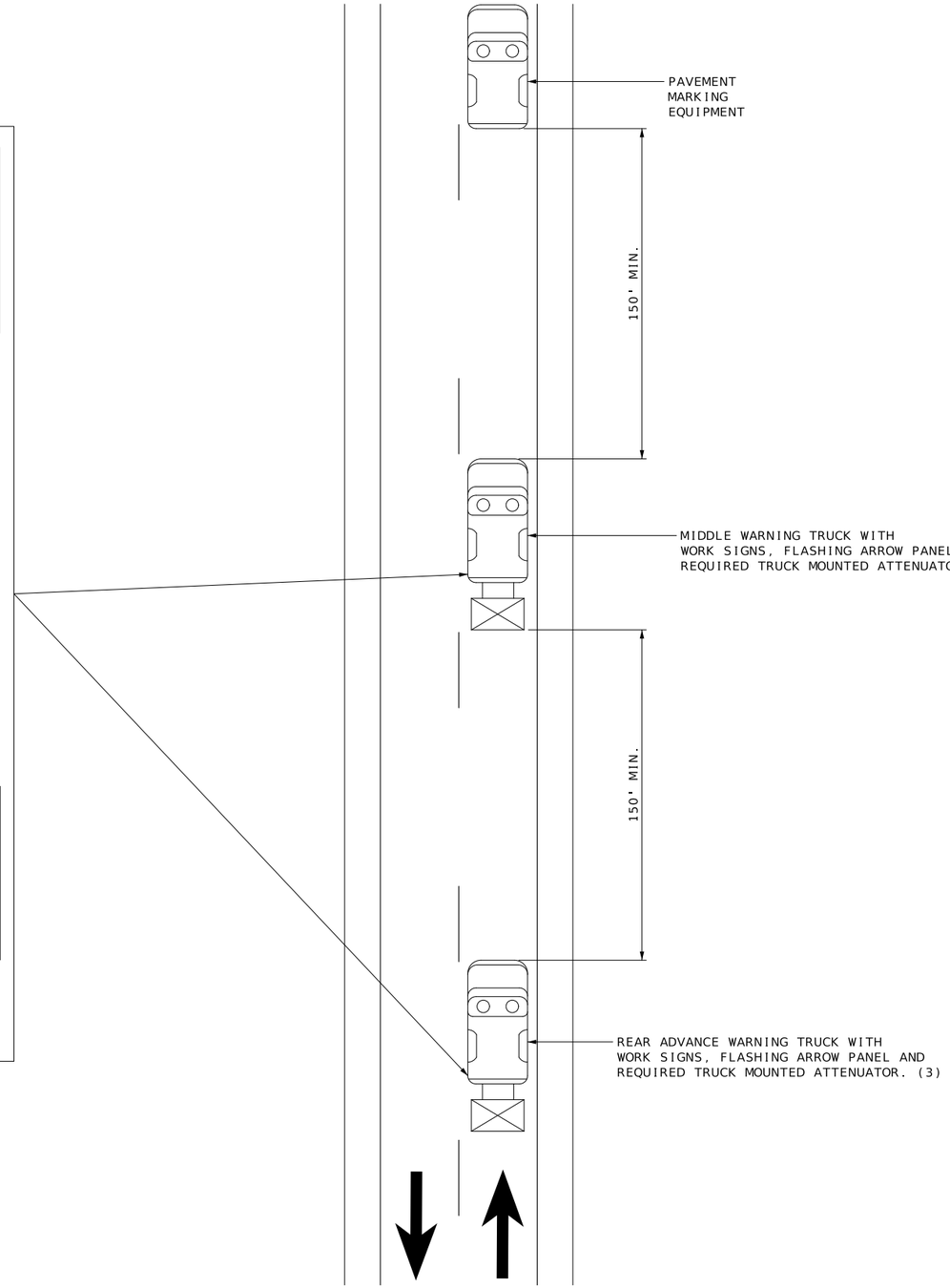
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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





NOTES:
UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCK EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROPE LIGHTS.

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2) 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.

(3) REAR ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN.

CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

TEMPORARY TRAFFIC CONTROL
SHEET 5 OF 6

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 1:45:41 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	9

COUNTY
DENT

JOB NO.
JCD0035

CONTRACT ID.

PROJECT NO.

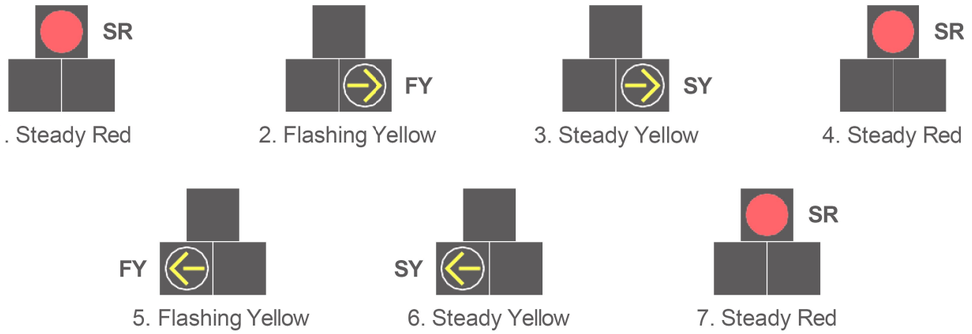
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

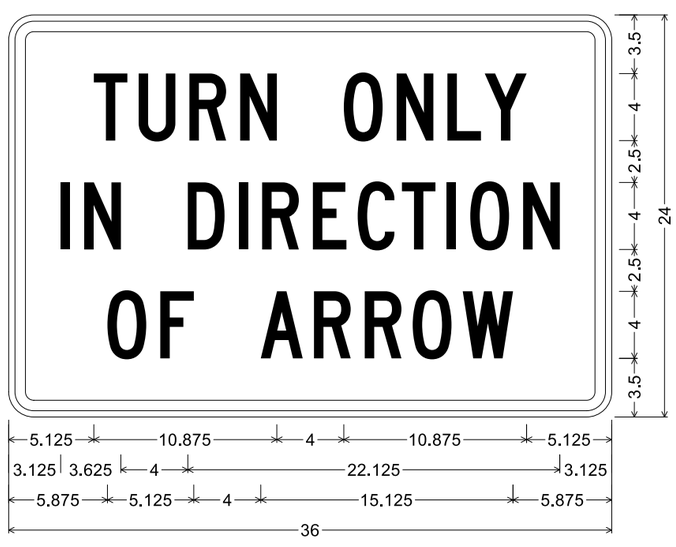
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Phasing Sequence



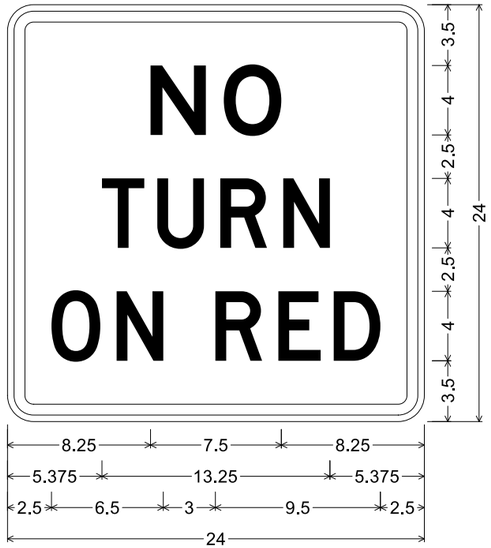
Legend

SR Steady red
FY Flashing yellow
SY Steady yellow



IA-23-1P SH-FLAT SHEET;
1.500" Radius, 0.625" Border, 0.375" Indent, Black on White;
"TURN ONLY", C; "IN DIRECTION", C; "OF ARROW", C;
Table of letter and object lefts

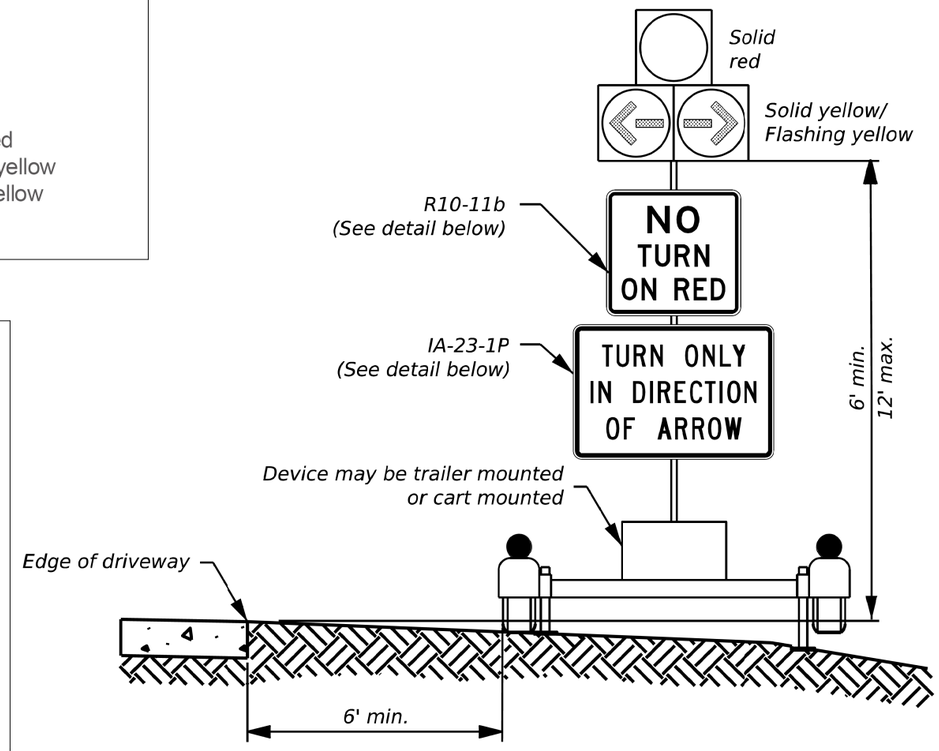
T 5.125	U 7.750	R 10.750	N 13.875	O 20.000	N 23.125	L 26.250	Y 28.375
I 3.125	N 4.500						
D 10.750	I 13.750	R 15.125	E 18.125	C 20.875	T 23.500	I 26.125	O 27.500	N 30.750
O 5.875	F 9.000	A 15.000	R 18.250	R 21.250	O 24.125	W 27.125	



R10-11b SH-FLAT SHEET;
1.500" Radius, 0.625" Border, 0.375" Indent, Black on White;
"NO", E; "TURN", D; "ON", D; "RED", D;
Table of letter and object lefts

N 8.250	O 12.500			
T 5.375	U 8.625	R 12.250	N 15.875	
O 2.500	N 6.250	R 12.000	E 15.625	D 18.750

ELEVATION VIEW



NOTES:

EACH RDTS MUST HAVE ONE SIGNAL HEAD CONSISTING OF THREE LED INDICATIONS AS FOLLOWS; ONE 12 IN. DIAMETER STEADY RED BALL INDICATION CENTERED OVER ONE 12 IN. DIAMETER YELLOW LEFT ARROW AND ONE 12 IN. DIAMETER YELLOW RIGHT ARROW.

RDTS(S) MUST BE PAIRED WITH A COMPATIBLE PORTABLE TRAFFIC SIGNAL SYSTEM FOR PROPER FUNCTIONALITY. AN RDTS SHALL NOT BE USED AS A STANDALONE DEVICE.

SEE JOB SPECIAL PROVISION "RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL" FOR ADDITIONAL DETAILS.

SEE TRAFFIC CONTROL PLAN SHEETS FOR PLACEMENT OF PORTABLE TRAFFIC SIGNALS AND OTHER TRAFFIC CONTROL DEVICES.

STATE OF MISSOURI
MARIA K PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
09/28/2026 3:14:54 PM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
9/28/2026

ROUTE	STATE
19	MO
DISTRICT	SHEET NO.
CD	10

COUNTY
DENT

JOB NO.
JCD0035

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

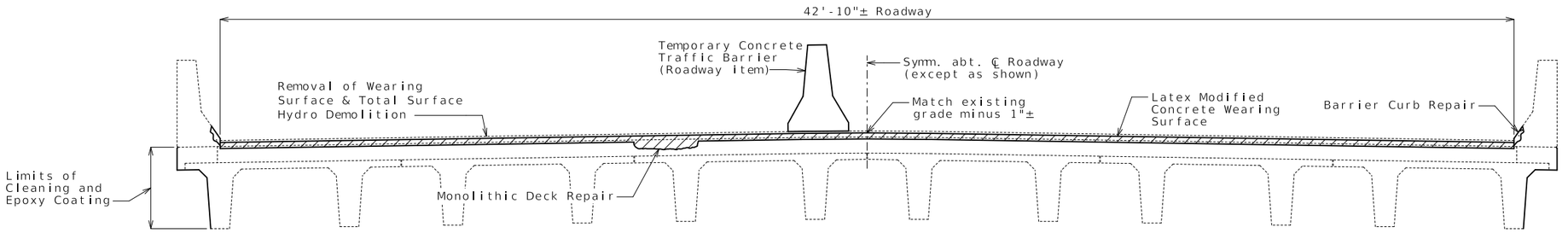
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

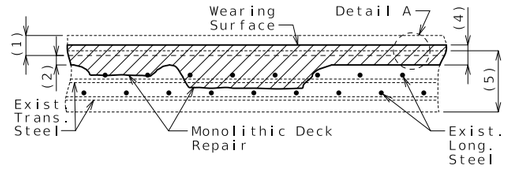
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SEC/SUR 24 TWP 34N RGE 6W

U.I.P. AND REHABILITATE EXISTING (22'-22'-22') PRESTRESSED CONCRETE DOUBLE TEE GIRDER SPANS (SKEW: 20°00'00" R.A.)



TYPICAL SECTION THRU EXISTING DECK



MONOLITHIC DECK REPAIR

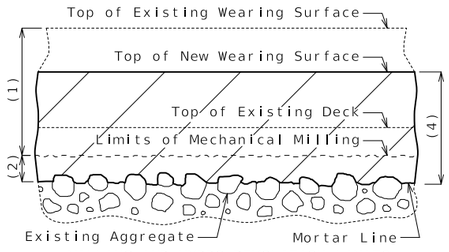
(1) Removal of existing 1 3/4"± wearing surface plus 1/2" of existing deck

(2) 1/2" minimum total surface hydro demolition of sound concrete, measured to mortar line

(3) 1" vertical side shall be established outside the deteriorated area.

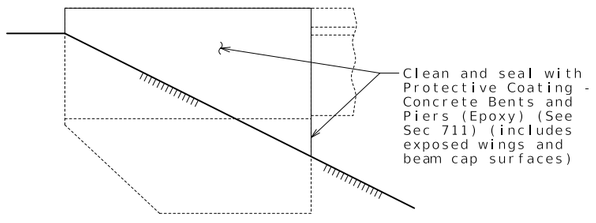
(4) 1 3/4" minimum latex modified concrete wearing surface

(5) Original depth of deck minus previous scarification

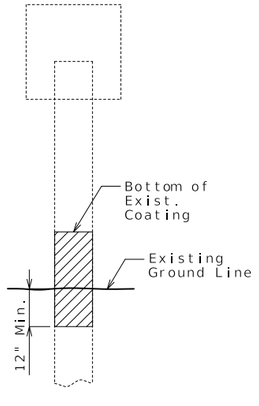


MILLING AND HYDRO DEMOLITION LIMITS

DETAIL A



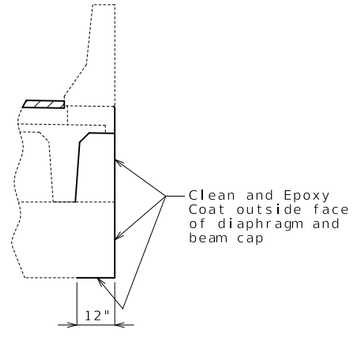
TYPICAL SECTION AT END BENTS SHOWING PROTECTIVE COATING



Note:

All exposed surfaces of the existing CIP pile shells shall be recoated with one 6-mil thickness of aluminum epoxy-mastic primer applied over an SSPC-SP3 surface preparation in accordance with Sec 1081. The bituminous coating shall be applied one foot above and below the existing ground line and in accordance with Sec 702. These protective coatings will not be required below the normal low water line. The cost of surface preparation will be considered completely covered by the contract lump sum price for Surface Preparation for Applying Epoxy-Mastic Primer. The cost of the aluminum epoxy-mastic primer and bituminous coating will be considered completely covered by the contract lump sum price for Aluminum Epoxy-Mastic Primer.

TYPICAL SECTION THRU INT. BENTS NO. 2 AND 3 SHOWING PROTECTIVE COATING



PART ELEVATION AT INT. BENT NO. 2 AND 3 SHOWING PROTECTIVE COATING

Estimated Quantities

	Item		Total
	Total Surface Hydro Demolition	sq. yard	321
	Removal of Seal Coat or Polymer Wearing Surface	sq. foot	2893
*	Supplementary Wearing Surface Material	cu. yard	5
	Latex Modified Concrete Wearing Surface	sq. yard	321
	Diamond Grinding	sq. yard	321
	Cleaning and Epoxy Coating	sq. foot	375
	Barrier Curb Repair	linear foot	80
	Protective Coating - Concrete Bents and Piers (Epoxy)	lump sum	1
	Surface Preparation for Applying Epoxy-Mastic Primer	lump sum	1
	Aluminum Epoxy-Mastic Primer	lump sum	1

* Supplementary wearing surface material for monolithic deck repair will be paid for at the fixed unit price in accordance with Sec 109.

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 6

Design Loading:

HS20-44 (1982 & New Construction)

Concrete Protective Coatings:

Protective coating for concrete bents and piers (Epoxy) shall be applied as shown on the bridge plans and in accordance with Sec 711.

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (roadway item).

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

In order to maintain grade and a minimum thickness of wearing surface as shown on plans it may be necessary to use additional quantities of wearing surface at various locations throughout the structure. The cost of furnishing and installing the wearing surface will be considered completely covered in the contract unit price, including all additional labor, materials or equipment for variations in thickness of wearing surface.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

REPAIRS TO BRIDGE: ROUTE 19 OVER SPRING CREEK

ROUTE 19 FROM ROUTE 32 TO ROUTE B
ABOUT 0.7 MILE SOUTH OF ROUTE 32
BEGINNING STATION 73+66.00± (Match Existing)

STATE OF MISSOURI
TED S. KOESTER
NUMBER PE-2013000591
PROFESSIONAL ENGINEER
10/22/2026 9:10:16 AM
TED S. KOESTER - CIVIL
MO-PE-2013000591

DATE PREPARED: 10/22/2026
ROUTE: 19 | STATE: MO
DISTRICT: BR | SHEET NO.: 1
COUNTY: DENT
JOB NO.: JCD0035
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.: A44331

DESCRIPTION | DATE

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