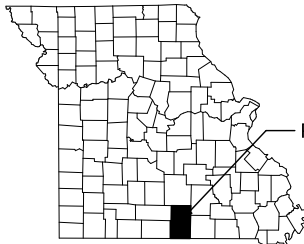


DESIGN DESIGNATION

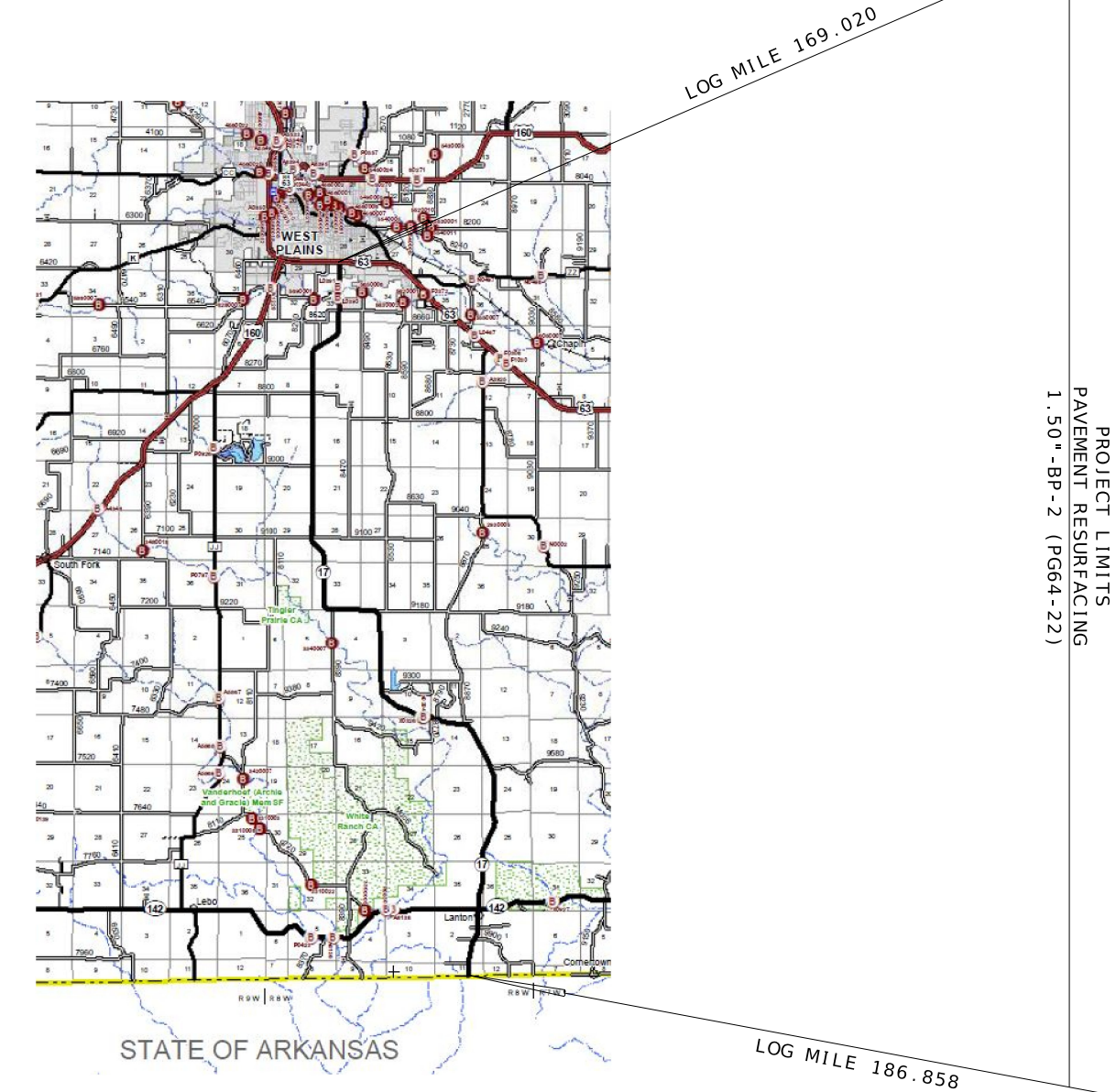
A.A.D.T. - 2023 = 3,178
A.A.D.T. - 2046 = 4,259
D.H.V. = 9.75%
T = 17.49%
V = 55 M.P.H.
D = 49.6%/50.4%

FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

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



KEY MAP
LOCATION OF HOWELL COUNTY



CONVENTIONAL SYMBOLS
(USED IN PLANS)

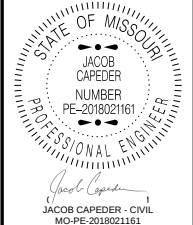
	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-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

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
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (2 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-5
TRAFFIC CONTROL SHEETS (TC)-----	6
SIGNING (SN) (4 SHEETS)-----	7-10



DATE PREPARED 4/1/2025	
ROUTE 17	STATE MO
DISTRICT SE	SHEET NO. 1
COUNTY HOWELL	
JOB NO. J9S3692	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

LENGTH OF PROJECT

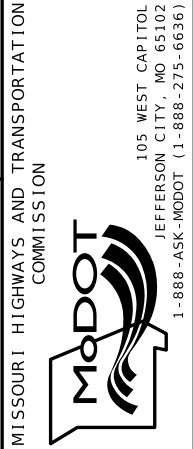
BEGINNING OF PROJECT	LOG MILE 169.020
END OF PROJECT	LOG MILE 186.858

APPARENT LENGTH 94,185 FEET

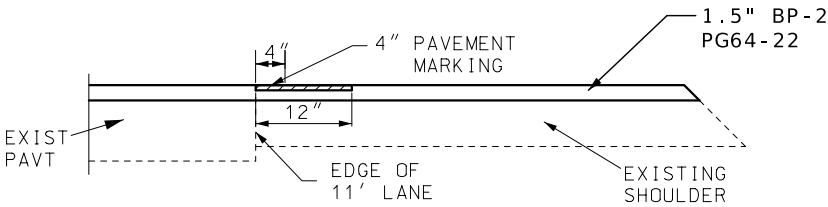
EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	94,185 FEET
STATE LENGTH	17.838 MILES

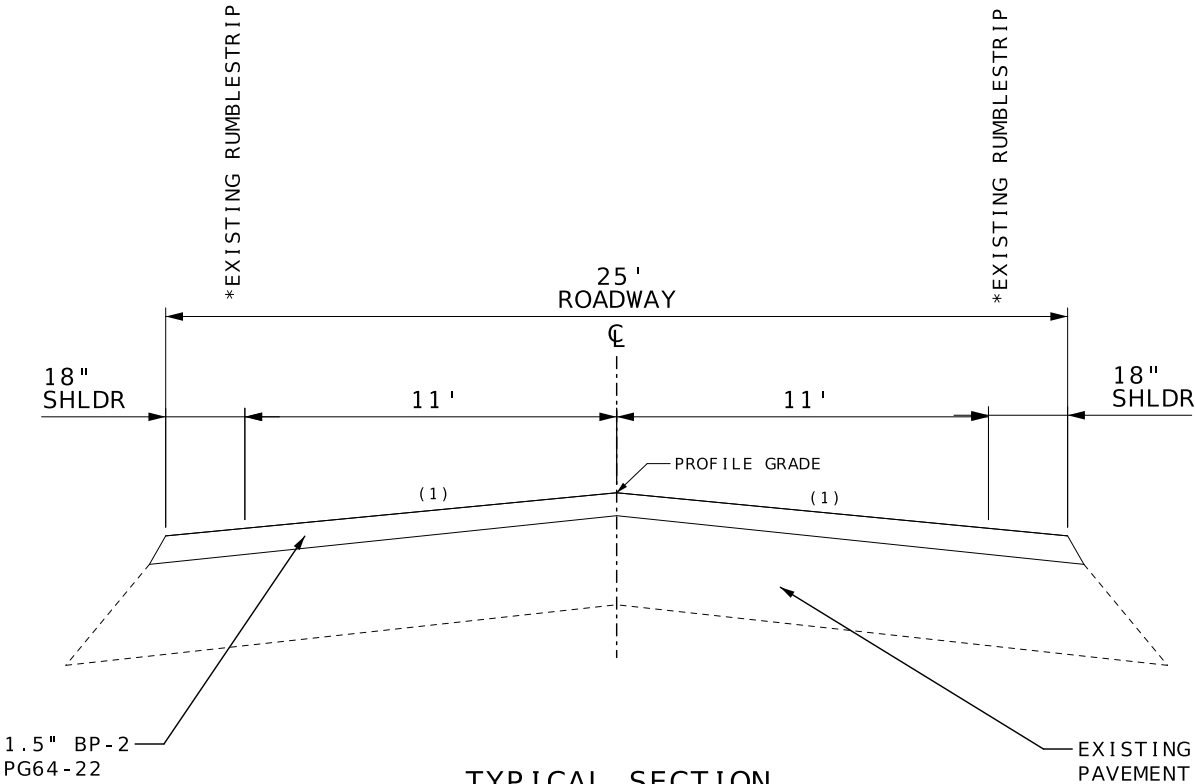
FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0 ACRES



ESTIMATE FACTORS FOR ASPHALTIC MIXTURES	
BP-2 PG64-22	2.040 TONS/CY
TACK COAT	0.08 GAL/SY
FOR INFORMATIONAL PURPOSES ONLY	



SHOULDER RUMBLE STRIP LOCATION
LOG MILE 169.020 TO LOG MILE 186.858



TYPICAL SECTION
RTE 17
LOG MILE 169.020 TO LOG MILE 186.858

- NOTES:
- (1) MATCH EXISTING TRAVELWAY CROSS SLOPE
 - MAINTAIN 11' TRAVELWAY BETWEEN EDGES OF RUMBLE STRIPS
 - LOG MILES ARE APPROXIMATE

TYPICAL SECTIONS
SHEET 1 OF 1
DRAWING NOT TO SCALE

STATE OF MISSOURI

JACOB CAPEDE

NUMBER

PE-2018021161

PROFESSIONAL ENGINEER

Jacob Capeder

JACOB CAPEDE - CIVIL

MO-PE-2018021161

DATE PREPARED

4/1/2025

ROUTE

17

STATE

MO

DISTRICT

SE

SHEET NO.

2

COUNTY

HOWELL

JOB NO.

J9S3692

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

BP-2 OVERLAY AND TACK COAT									
LOCATION	LOG MILE BEGIN	LOG MILE END	TRAVELWAY LENGTH (FT)	TRAVELWAY WIDTH (FT)	OVERLAY DEPTH (IN)	OVERLAY AREA (SY)	BP-2 1.5" PG 64-22 2.04 TONS/CY (TONS)	TACK COAT 0.08 GAL/SY (GAL)	
									REMARKS
RTE 17	169.02	186.858	94,184.64	25	1.5	261,624.00	22238.1	20930	
CR 8620 W	169.98		60'	VARIES	1.5	129.00	11	10	
CR 8620 E	169.975		40'	VARIES	1.5	151.00	12.9	12	
CR 8290 W	170.95		60'	VARIES	1.5	134.00	11.4	11	
CR 9000 W	173.503		30'	VARIES	1.5	82.30	7	7	
PR 9140 E	175.861		30'	VARIES	1.5	54.00	4.6	4	
CR 9580 E	182.307		40'	VARIES	1.5	255.00	21.7	20	
RTE 142 E	185.427		VARIES	VARIES	1.5	257.00	21.9	21	
RTE 142 W	185.427		VARIES	VARIES	1.5	222.00	18.9	18	
-	-	-	-	-	-	-	-	-	-
			2'	VARIES	1.5	231.12	19.7	19	40'X2' PAVED PVT/COMM ENTRANCES (26)
			2'	VARIES	1.5	1,848.89	157.2	148	40'X2' NON-PAVED PVT/COMM ENTRANCES (208)
			10'	VARIES	1.5	800.00	68	64	60'X10' NON PAVED STREETS/COUNTY ROADS (12)
			10'	VARIES	1.5	35.56	3.1	3	60'X10' PAVED STREETS/COUNTY ROADS (4)
-	-	-	-	-	-	-	-	-	-
							451.9		SAFTEY EDGE (2% OF MAINLINE)
							3567.6		200 TON/MILE FOR IRREGULARITIES
						TOTAL	26615	21267	

MOBILIZATION
1 LUMP SUM

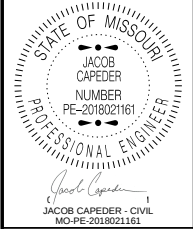
MODIFIED COLD MILLING (DEPTH TRANSITIONS)					
LOCATION	LOG MILE	LENGTH	WIDTH	COLD MILLING	REMARKS
		(FT)	(FT)	(SY)	
BEGIN PROJECT	169.02	50	25	139	
END PROJECT	186.858	50	25	139	ARK STATE LINE
RTE 142 E	185.427	25	22	61	
RTE 142 W	185.427	25	22	61	
VARIOUS	VARIOUS	10	22	98	PAVED COUNTY ROAD (4)
VARIOUS	VARIOUS	2	20	85	PAVED PVT ENTRANCES (19)
			TOTAL	583	

SHOULDER RUMBLE STRIP						
LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	ENTRANCE EXCEPTIONS		LT/RT EDGE RUMBLE STRIP (STA.)
				LT (FT)	RT (FT)	
169.02	186.858	RTE 17	94184.6	29660	25803	1329
				TOTAL		1329

GRAVEL A OR CRUSHED STONE B / AGG EDGE TREATMENT				
LOG MILE	LOG MILE	PERM AGG EDGE TREATMENT (TON)	GRAVEL A OR CRUSHED STONE B (TON)	REMARKS
169.02	186.858	1605.5	-	AGG EDGE TREATMENT-ROUTE 17 TRAVELWAY (RT) @ 90 TONS/MILE
186.858	169.02	1605.5	-	AGG EDGE TREATMENT-ROUTE 17 TRAVELWAY (LT) @ 90 TONS/MILE
VARIOUS	VARIOUS	-	24	CITY/COUNTY ROADS(12 @ 2 TONS EA)
VARIOUS	VARIOUS	-	208	PVT/COMM ENTRANCES (208 @ 1 TON EA)
	TOTAL	3211	232	

REMOVAL OF IMPROVEMENTS			
LOG MILE	LOG MILE	LOCATION	REMARKS
169.020	186.858	RTE 17	SIGNS TO BE REPLACED (SEE SIGNING SHEETS)
			1 LUMP SUM

PERMENANT PAVEMENT MARKING					
LOG MILE	LOG MILE	LENGTH (FT)	WATERBORNE TYPE P BEADS 4" WHITE (LF)	WATERBORNE TYPE P BEADS 4" YELLOW (LF)	REMARKS
169.020	186.858	94184.7	188369	168905	FINAL PAVEMENT MARKING
185.427		-	-170	-	SKIP RTE. 142 INTERSECTION WHITE STRIPE
		TOTAL	188199	168905	



DATE PREPARED 4/15/2025	
ROUTE 17	STATE MO
DISTRICT SE	SHEET NO. 3

COUNTY HOWELL
JOB NO. J9S3692
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.	RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NUM.	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						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						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00	10	160.00				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						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00						ROAD/BIDGE/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
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	36	576.00				UNEVEN LANES
WO8-12	48X48	16.00	18	288.00				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)

BEGIN JOB
AT CONCRETE JOINT
LOG MILE 169.020

50'
DEPTH
TRANSITION

MOD. COLDMILLING
APPROX. 139 SY

The diagram shows a cross-section of a road. A vertical dashed line represents a concrete joint. To the left of this joint, the road surface is shown with a dashed line indicating a transition. A vertical dimension line labeled '50' DEPTH TRANSITION' indicates the depth of the coldmilling process. A hatched rectangular area represents the coldmilled surface. A line points from the text 'MOD. COLDMILLING APPROX. 139 SY' to this hatched area. Another line points from the text 'BEGIN JOB AT CONCRETE JOINT LOG MILE 169.020' to the concrete joint line.

50'
DEPTH
TRANSITION

1.5" BP-2

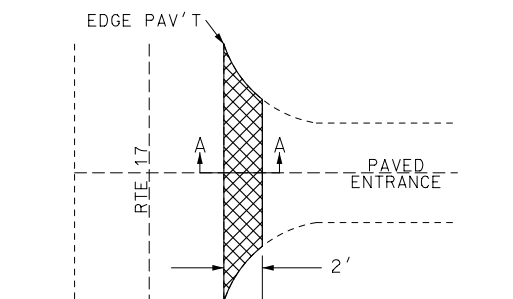
1.5"

EXISTING
ASPHALT PAVEMENT

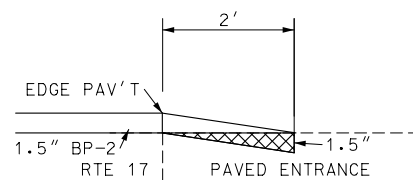
AGGR. BASE

BEGIN JOB
AT CONCRETE JOINT
LOG MILE 169.020

TYPICAL
RTE 17



PLAN VIEW FOR PAVED
PRIVATE AND COMMERCIAL ENTRANCES
26 LOCATIONS - VARIOUS



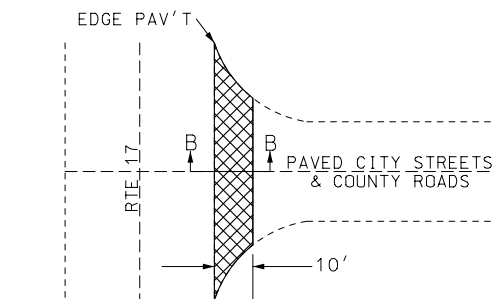
TYPICAL
SECTION A-A

 MODIFIED
COLD MILLING

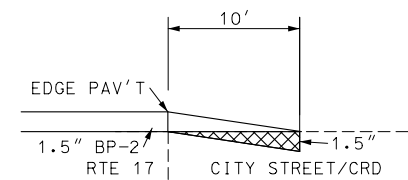
LOG MILE LOCATIONS APPROXIMATE
ADJUST AS DIRECTED BY ENGINEER
TO FIT FIELD CONDITIONS.

Diagram illustrating a 50' DEPTH TRANSITION. The transition is shown as a cross-hatched rectangular area between two horizontal lines. The width of the transition is labeled 50'. The transition is located between the END JOB AT STATE LINE LOG MILE 186.858 and MOD COLDMILLING APPROX. 139 SY.

TYPICAL
RTE 17

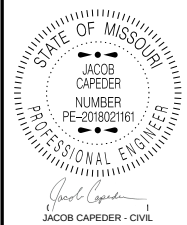


PLAN VIEW FOR PAVED
CITY STREETS AND COUNTY ROADS
4 LOCATIONS



TYPICAL
SECTION B-B

SPECIAL SHEET
SHEET 1 OF 2
NOT TO SCALE



DATE PREPARED
4/1/2025

ROUTE	STATE
17	MO

DISTRICT	SHEET NO.
SE	4

COUNTY
HOWELL

JOB NO.
J953692

CONTRACT ID.

PROJECT NO.

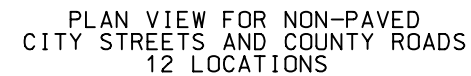
BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



CR 8390	-	LM 176.730
CR 8770	-	LM 180.587
CR 8790	-	LM 180.732
CR 8870	-	LM 181.325
CR 9100	-	LM 175.012
CR 9100	-	LM 175.012
CR 9320	-	LM 179.349
CR 9880	-	LM 185.792
CR 9880	-	LM 185.792
CR 9900	-	LM 186.063
CR 9900	-	LM 186.063
CR 9920	-	LM 186.572



CR 8620	-	LM	169.975	LT
CR 8620	-	LM	169.980	RT
CR 8290	-	LM	170.950	RT
CR 9000	-	LM	173.503	RT
CR 9140	-	LM	175.861	LT
CR 9580	-	LM	182.307	LT

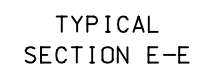


	OVERLAY
	COLDMILLING
	GRADING
	GRAVEL OR CRUSHED STONE

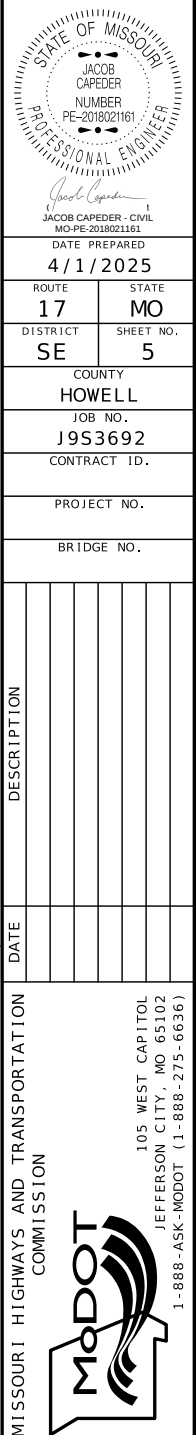
NOTES

ALL GRADING NECESSARY FOR THE PROPER
CONSTRUCTION OF HOT MIX AND AGGREGATE
APRONS SHALL BE CONSIDERED INCIDENTAL
WORK AND AT NO DIRECT PAY.

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



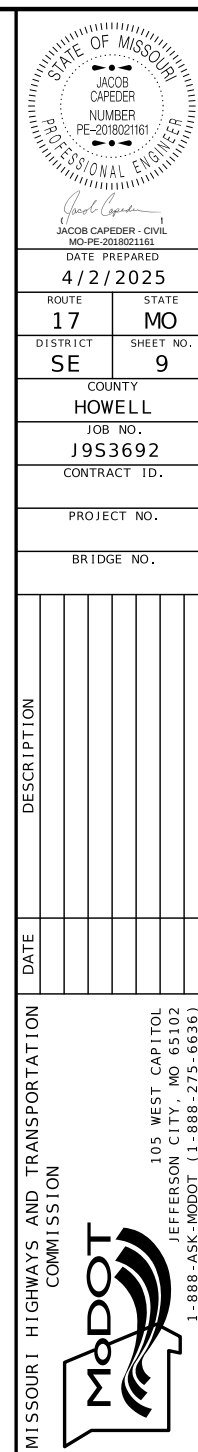
SPECIAL SHEET
SHEET 2 OF 2
NOT TO SCALE



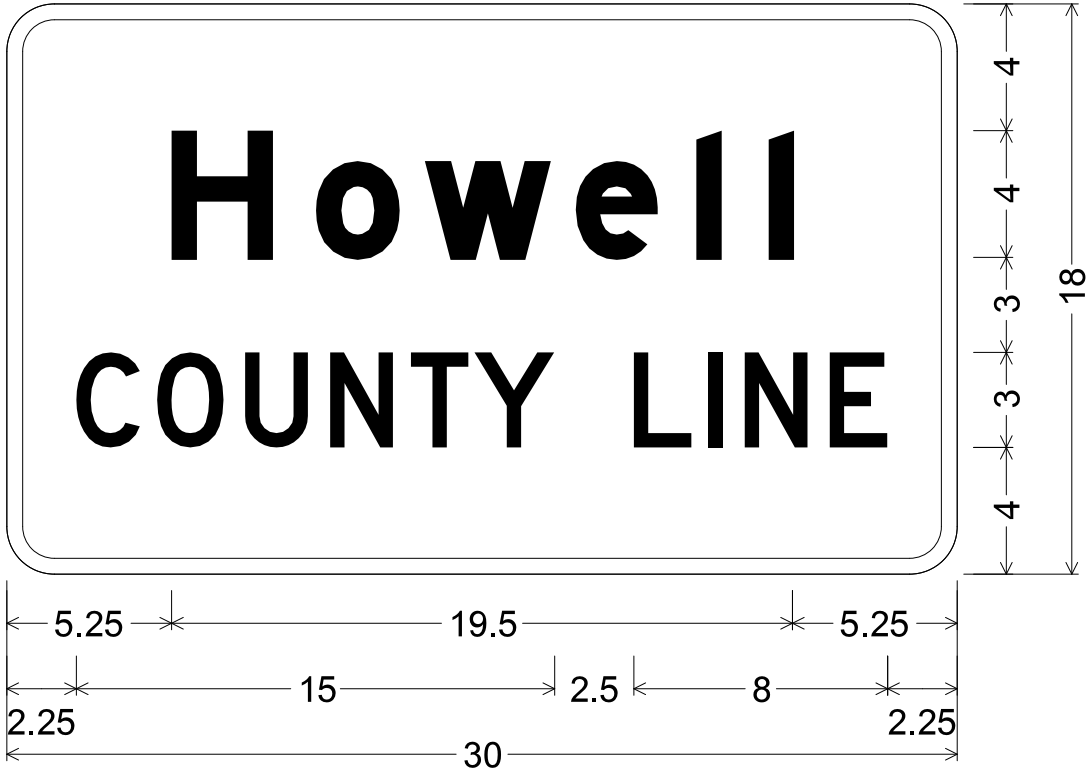
[illegible]

SIGN SUMMARY							
EFFECTIVE: 10-01-2016							
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET			
				FLAT SHEET SH ITEM NO. 9035004A	FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
R1-1		5	36 x 36	45.00			
R2-1		2	36 x 48	24.00			
OM3-L		24	12 x 36		72.00		
OM3-R		28	12 x 36		84.00		
W1-8		19	18 x 24		57.00		
W2-2		1	36 x 36		9.00		
W11-8		2	36 x 36		18.00		
W1-2R		3	36 x 36		27.00		
W13-1P		2	24 x 24		8.00		
W13-1P		2	24 x 24		8.00		
W13-1P		1	24 x 24		4.00		
W2-1		2	36 x 36		18.00		
W1-2L		2	36 x 36		18.00		
W16-9PFYG		1	30 x 18		3.75		
S1-1		1	36 x 36		9.00		
S3-1		1	36 x 36		9.00		
M6-3		2	21 x 15	4.38			
M1-5		2	30 x 24	10.00			
M1-5		3	24 x 24	12.00			
M6-4		2	21 x 15	4.38			
W8-34		1	36 X 36		9.00		
I6-1		1	30 x 18	3.75			
M3-3		1	24 x 12	2.00			
R1-1							
			TOTALS	106	354		

*ORANGE, YELLOW AND YELLOW-GREEN



SIGN #51



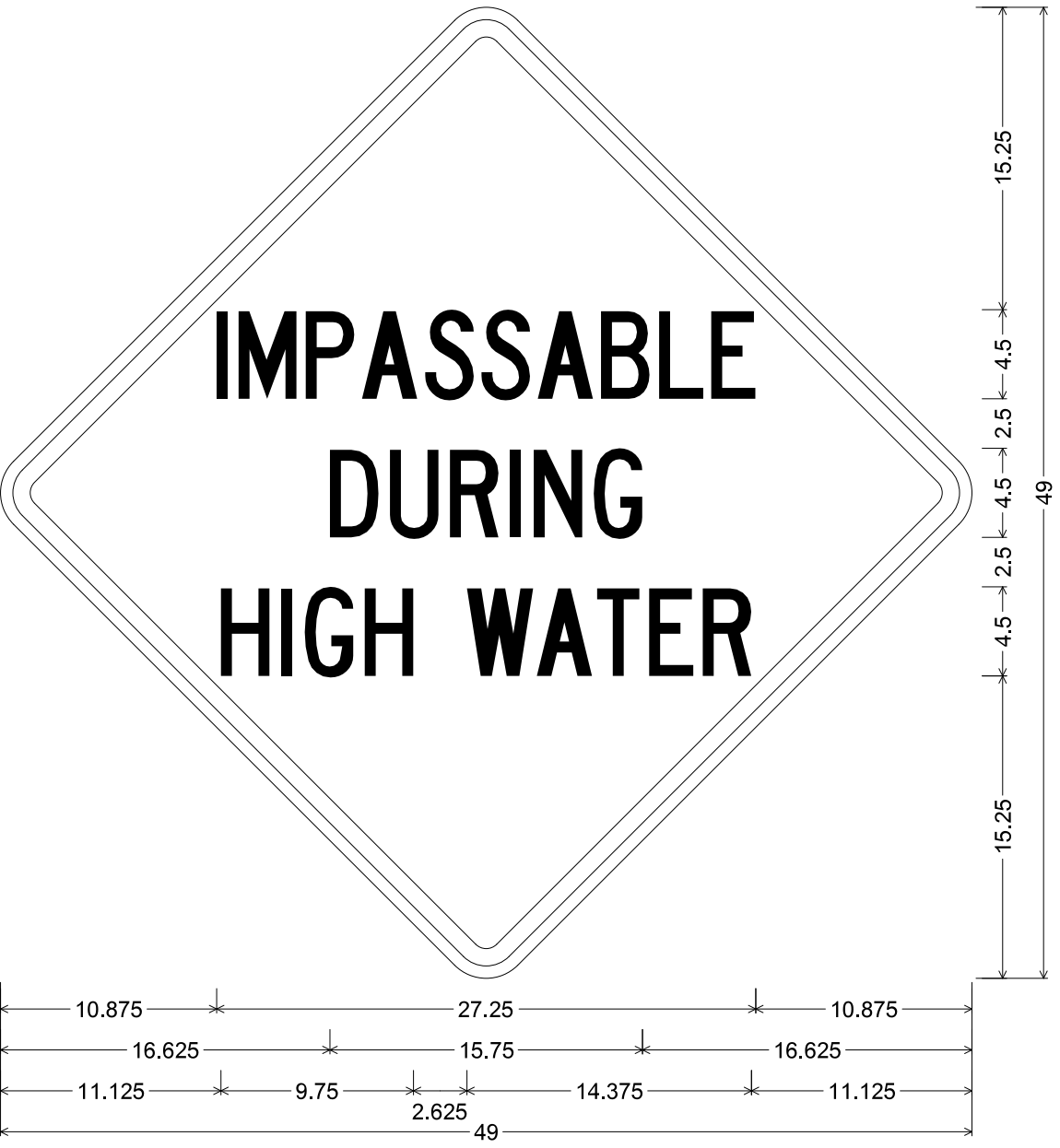
I6-1 SH-FLAT SHEET;
1.500" Radius, 0.500" Border, White on, Green;
"Howell", E Mod;
"COUNTY LINE", D 95% spacing;
Table of letter and object lefts

H	o	w	e	l	l
5.250	9.750	13.250	18.000	21.750	24.000

C	O	U	N	T	Y
2.250	4.750	7.500	10.250	12.750	14.750

L	I	N	E
19.750	22.125	23.250	26.000

SIGN #38



W8-34 SHF-FLAT SHEET FLUORESCENT;
36.000" across sides 2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Yellow;
"IMPASSABLE", C 50% spacing; "DURING", C 60% spacing;
"HIGH WATER", C 60% spacing;
Table of letter and object lefts

I	M	P	A	S	S	A	B	L	E
10.875	12.000	15.375	18.250	21.500	24.250	27.125	30.375	33.250	35.875

D	U	R	I	N	G				
16.625	19.625	22.750	25.750	26.875	30.000				

H	I	G	H	W	A	T	E	R	
11.125	14.125	15.375	18.375	23.500	27.125	30.000	32.750	35.500	

NOTES:
(1) SEE STANDARD PLANS 903.02AQ FOR INSTALLATION AND DETAILS
DRAWING NOT TO SCALE. FOLLOW DIMENSIONS

STATE OF MISSOURI

JACOB CAPEDE

NUMBER

PE-2018021161

PROFESSIONAL ENGINEER

Jacob Capede

JACOB CAPEDE - CIVIL

MO-PE-2018021161

DATE PREPARED

4/2/2025

ROUTE

17

STATE

MO

DISTRICT

SE

SHEET NO.

10

COUNTY

HOWELL

JOB NO.

19S3692

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)