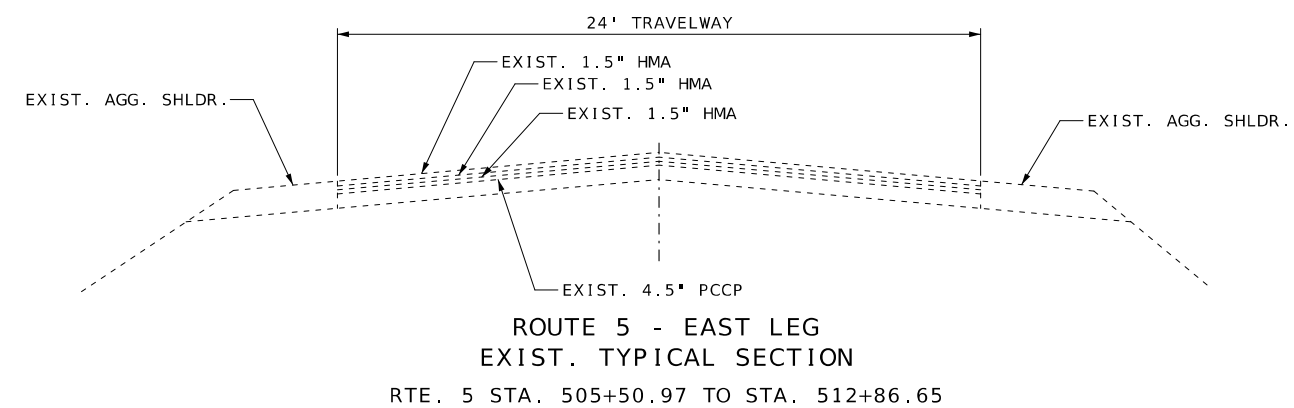
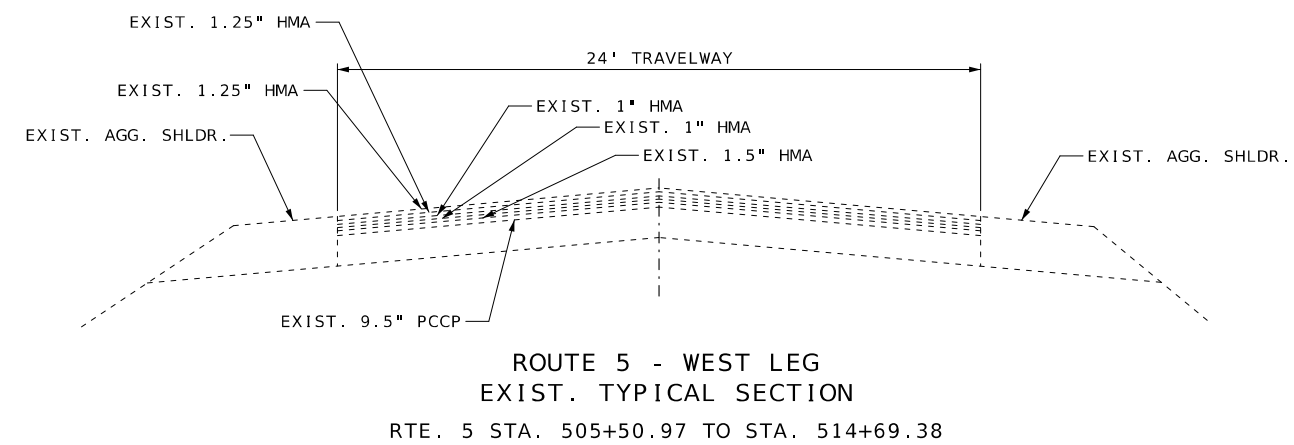
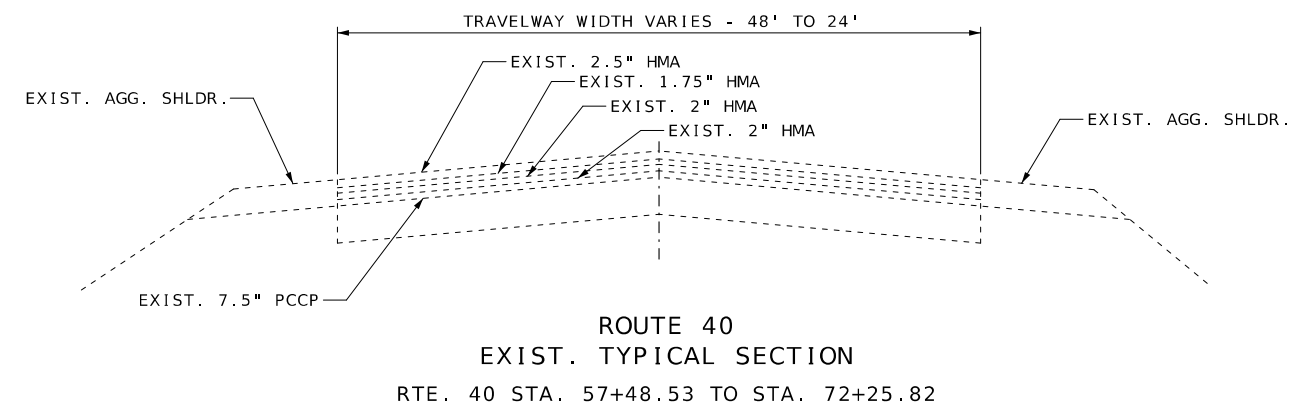




NOT TO SCALE

TYPICAL SECTION
SHEET 1 OF 2



03/03/2025 1:08:34 PM
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
3/3/2025

3/3/2023	
ROUTE	STATE

5 / 40	MO
DISTRICT	SHEET NO.

DISTRICT	SHEET NO.
CD	2

COUNTY
HOWARD

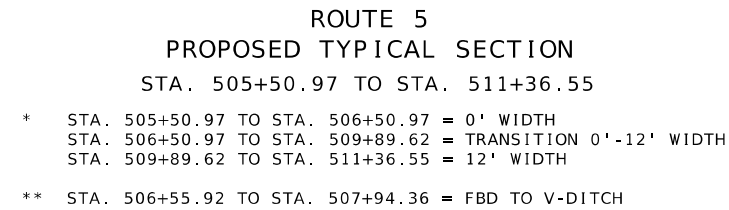
HOWARD

JOB NO.

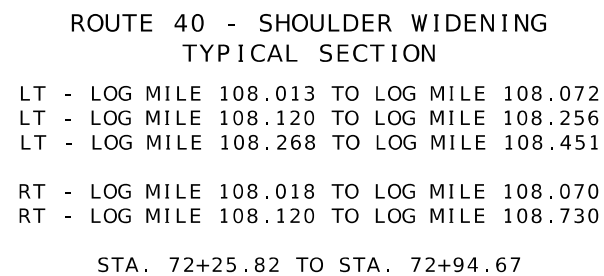
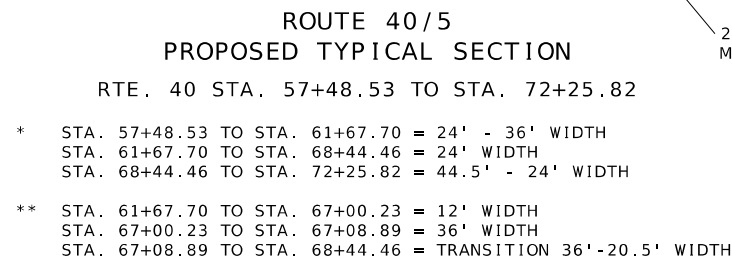
JCD0110

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



ESTIMATE FACTORS	
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	1.943 TON/YD ³
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	1.948 TON/YD ³



TYPICAL SECTION
SHEET 2 OF 2



NOT TO SCALE

REMOVAL OF IMPROVEMENTS							
STATION	STATION	LOCATION	SIGNS (EA.)	SAW CUTS (FT.)	PAVEMENT (SY.)	15" RCP (FT.)	REMARKS
506+28.01	-	RTE 5 - LT	1				ADOPT-A-HIGHWAY SIGN - TAKE TO NEAREST MAINTENANCE FACILITY
507+66.69	-	RTE 5 - LT	1				YIELD SIGN
510+44.62	-	RTE 5 - RT	1				YIELD SIGN
510+98.94	-	RTE 5 - LT	1				STOP SIGN
64+91.14	-	RTE 40 - LT	1				ADOPT-A-HIGHWAY SIGN - TAKE TO NEAREST MAINTENANCE FACILITY
510+86.90	-	RTE 5 - RT				43	
505+50.97	-	RTE 5		24			BEGIN PROJECT
510+99.38	511+25.12	RTE 5 - RT		25.75			EXIST WEST ROUTE 5 END
511+04.19	511+24.49	RTE 5 - LT		20.3			EXIST WEST ROUTE 5 AND ROUTE 40 JOINT
61+67.70	62+24.74	RTE 40 - LT		57.04			EXIST EAST ROUTE 5 END
67+46.95	68+44.46	RTE 40 - LT		97.51			EXIST EAST ROUTE 5 AND ROUTE 40 JOINT
505+64.83	507+14.24	RTE 5 - LT			50		REMOVAL OF TEMP. SHLDR.
510+63.62	510+93.79	RTE 5 - LT			61.20		REMOVAL OF TEMP. PVMT.
		SUB TOTAL	5	224.6	111.2	43	
		TOTAL =	1 LUMP SUM				

TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)						
STATION	STATION	LOG MILE	LOG MILE	LOCATION	AREA (SY)	REMARKS
509+55.30	511+25.28			RTE 5	2305.00	BEGIN PROJECT - STAGE 1 - PVMT + SHLDRS
67+08.89	68+03.23			RTE 40	254.10	STAGE 2
505+50.97	509+55.30			RTE 5	901.60	STAGE 4 - PVMT + SHLDRS
505+50.97	509+55.30			RTE 5	662.90	STAGE 5 LIMITS - PVMT + SHLDRS
61+67.89	64+12.89			RTE 40	441.80	STAGE 6 - PVMT + SHLDRS
67+08.88	68+44.46			RTE 40	218.70	STAGE 6 - PVMT + SHLDRS
507+31.97	507+83.38			RTE 5 - RT	101.00	DRIVEWAY OPT. PVMT. STAGE 4
510+63.62	510+93.79			RTE. 5	61.20	TEMP. PAVEMENT - STAGE 2
505+64.83	507+14.24			RTE. 5 - LT	50	TEMP. SHOULDER STAGE 3
		108.013	108.072	RTE 40 - LT	103.9	SHOULDER WIDENING
		108.018	108.070	RTE 40 - RT	91.5	SHOULDER WIDENING
		108.120	108.256	RTE 40 - LT	240	SHOULDER WIDENING
		108.120	108.730	RTE 40 - RT	1073	SHOULDER WIDENING
		108.268	108.451	RTE 40 - LT	320	SHOULDER WIDENING
68+44.46	72+94.67			RTE. 40 - LT	156.6	END PROJECT
				TOTAL	6981.30	
				USE	6982	

PERMANENT PAVEMENT MARKING									
STATION	STATION	LOCATION	WATERBORN, TYPE P BEADS			PREFORMED THERMOPLASTIC		LEFT/RIGHT ARROW (EACH)	REMARKS
			4" WHITE (LF)	4" YELLOW (LF)	8" WHITE (LF)	24" WHITE (LF)	24" YELLOW (LF)		
505+50.97	511+25.28	RTE 5	981.4	1090.6	150.5	12		4	SEE PAVEMENT MARKING SHEET
57+48.53	72+25.82	RTE 40	3372.2	2382.3		77.3	152.5	4	SEE PAVEMENT MARKING SHEET
		TOTAL	4353.6	3472.9	150.5	89.3	152.5	8.0	
		USE	4354	3473	151	90	153	8	

2.5" BP-1(PG 64-22)								
STATION	STATION	LOCATION	LENGTH (FT)	AVERAGE WIDTH (FT)	THICKNESS (IN)	BITUMINOUS MIX 1.948 TON/CUYD (TONS)	TACK COAT (GAL)	REMARKS
57+48.53	61+67.70	RTE. 40	419.17	VARIES	2.5	209.42	154.8	BEGIN PROJECT
61+67.70	68+44.46	RTE. 40	676.76	24	2.5	244.13	180.5	
68+44.46	72+25.82	RTE. 40	381.36	VARIES	2.5	197.95	146.3	END PROJECT
					TOTAL	651.50	481.6	ESTIMATE FACTORS:
					USE	652	482	TACK COAT (MILLED ASPHALT/ CONCRETE SURFACE) = 0.10 GAL/SY
								BIT. PAVEMENT MIX PG 64-22 = 1.948 TONS/CY

ROUTE 5 AND 40 OPTIONAL PAVEMENT (10.5" HMA OR 9" PCCP)				
STATION	STATION	LOCATION	AREA (SY)	REMARKS
509+55.30	511+25.28	RTE 5	2157.90	BEGIN PROJECT - STAGE 1
67+08.89	68+03.23	RTE 40	254.10	STAGE 2
505+50.97	509+55.30	RTE 5	780.10	STAGE 4
505+50.97	509+55.30	RTE 5	530.70	STAGE 5 LIMITS
61+67.89	64+12.89	RTE 40	350.40	STAGE 6
67+08.88	68+44.46	RTE 40	173.50	STAGE 6
510+63.62	510+93.79	RTE. 5	61.20	TEMP. PAVEMENT - STAGE 2
		TOTAL	4307.90	
		USE	4308	AREAS TAKEN FROM OPENROADS DESIGNER

DRIVEWAY OPTIONAL PAVEMENT (5.75" HMA OR 5.75" PCCP)				
STATION	STATION	LOCATION	AREA (SY)	REMARKS
507+31.97	507+83.38	RTE. 5 - RT	100.50	DRIVEWAY ENTRANCE FOR PIPELINE STATION
		TOTAL	100.5	
		USE	101	AREAS TAKEN FROM OPENROADS DESIGNER

MOBILIZATION

1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING

1 LUMP SUM

STATE OF MISSOURI

PATRICK J. HAKE

NUMBER
PE-2010000826

PROFESSIONAL ENGINEER

03/03/2025 1:08:18 PM

PATRICK J. HAKE-CIVIL

MO-PE-2010000826

DATE PREPARED
3/3/2025

ROUTE
5/40

STATE
MO

DISTRICT
CD

SHEET NO.
3

COUNTY
HOWARD

JOB NO.
JCD0110

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)

COLDMILLING (3" THICK OR LESS)						
STATION	STATION	LOCATION	LENGTH (FT.)	WIDTH (FT.)	QUANTITY (SY.)	REMARKS
57+48.53	61+67.70	RTE. 40	419.17	VARIES	1548.1	BEGIN PROJECT
61+67.70	68+44.46	RTE. 40	676.76	24	1804.7	
68+44.46	72+25.82	RTE. 40	381.36	VARIES	1463.3	END PROJECT
				TOTAL	4816.1	
				USE	4817	

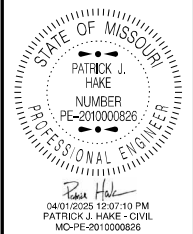
PAVEMENT MARKING REMOVAL				
STATION	STATION	LOCATION	PAVEMENT MARKING REMOVAL (LF)	REMARKS
500+75.97	511+84.04	RTE 5	1108.1	STAGE 4 FROM NORTH STOP BAR TO END OF EXIST EAST LEG
56+46.76	74+12.69	RTE 40	1765.9	STAGE 4 FROM WEST SIGNAL STOP BAR TO EAST SIGNAL STOP BAR
		TOTAL	2874.0	
		USE	2874	

EARTHWORK					
STATION	STATION	LOCATION	CLASS A EXCAVATION C.Y.	COMPACTING EMBANKMENT C.Y.	REMARKS
505+50.97	509+89.61	RTE 5	1388.42	860.49	
61+67.90	68+44.46	RTE 40	3528.60	1643.93	
		TOTAL	4917.02	2504.42	0.84 SHRINKAGE FACTOR APPLIED TO
		USE	4918	2505	CLASS A EXCAVATION
ALL EARTHWORK EXCAVATION AND EMBANKMENT IN PLACE SHALL FOLLOW PRELIMINARY GEOTECHNICAL					

TEMPORARY REMOVEABLE MARKING TAPE				
STATION	STATION	LOCATION	REMOVEABLE MARKING TAPE 4 IN, WHITE (LF)	REMARKS
502+51.06	510+62.88	RTE 5	822.1	STAGE 4 - WEST TAPER TO TEMPORARY PAVEMENT
58+71.76	67+08.88	RTE 40	837.1	STAGE 4 - NORTH TAPER TO TEMPORARY PAVEMENT
503+02.00	509+55.35	RTE 5	654.3	STAGE 5 & 6 - NORTH TAPER TO END OF WORK ZONE
58+71.76	65+32.87	RTE 40	748.5	STAGE 5 & 6 - WEST RADIUS TAPE, USE TAPE FROM STAGE 4
65+53.52	71+87.69	RTE 40	714.0	STAGE 5 & 6 - EAST RADIUS TO EAST TAPER
		TOTAL	3776.0	
		USE	3776	

TYPE A2 SHOULDER						
STATION	STATION	LOG MILE	LOG MILE	LOCATION	AREA (SY)	MODIFIED LINEAR GRADING, CLASS 2 (STA.)
509+55.30	511+25.28			RTE 5	147.10	
505+50.97	509+55.30			RTE 5	121.50	
505+50.97	509+55.30			RTE 5	132.20	
61+67.89	64+12.89			RTE 40	91.40	
67+08.88	68+44.46			RTE 40	45.20	
505+64.83	507+14.24			RTE. 5 - LT	50	
		108.013	108.072	RTE 40 - LT	103.9	1.04
		108.018	108.070	RTE 40 - RT	91.5	0.92
		108.120	108.256	RTE 40 - LT	240	2.40
		108.120	108.730	RTE 40 - RT	1073	10.73
		108.268	108.451	RTE 40 - LT	320	3.20
68+44.46	72+94.67			RTE. 40 - LT	156.6	1.57
				TOTAL	2572.40	19.86
				USE	2573	20

GRAVEL (A) OR CRUSHED STONE (B)						
STATION	STATION	LOG MILE	LOG MILE	LOCATION	GRAVEL (A) OR CRUSHED STONE (B) TON	REMARK
		107.999	108.099	RTE 40 - LT	4.563	PRIVATE ENTRANCE
		108.008	108.12	RTE 40 - RT	5.111	PRIVATE ENTRANCE
62+54.34	63+07.23			RTE 40 - RT	0.457	PRIVATE ENTRANCE
				TOTAL	10.131	ESTIMATE FACTOR:
				USE	11	1.40 TONS/CY



DATE PREPARED 4/1/2025	
ROUTE 5/40	STATE MO
DISTRICT CD	SHEET NO. 3
COUNTY HOWARD	
JOB NO. JCD0110	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

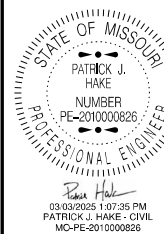
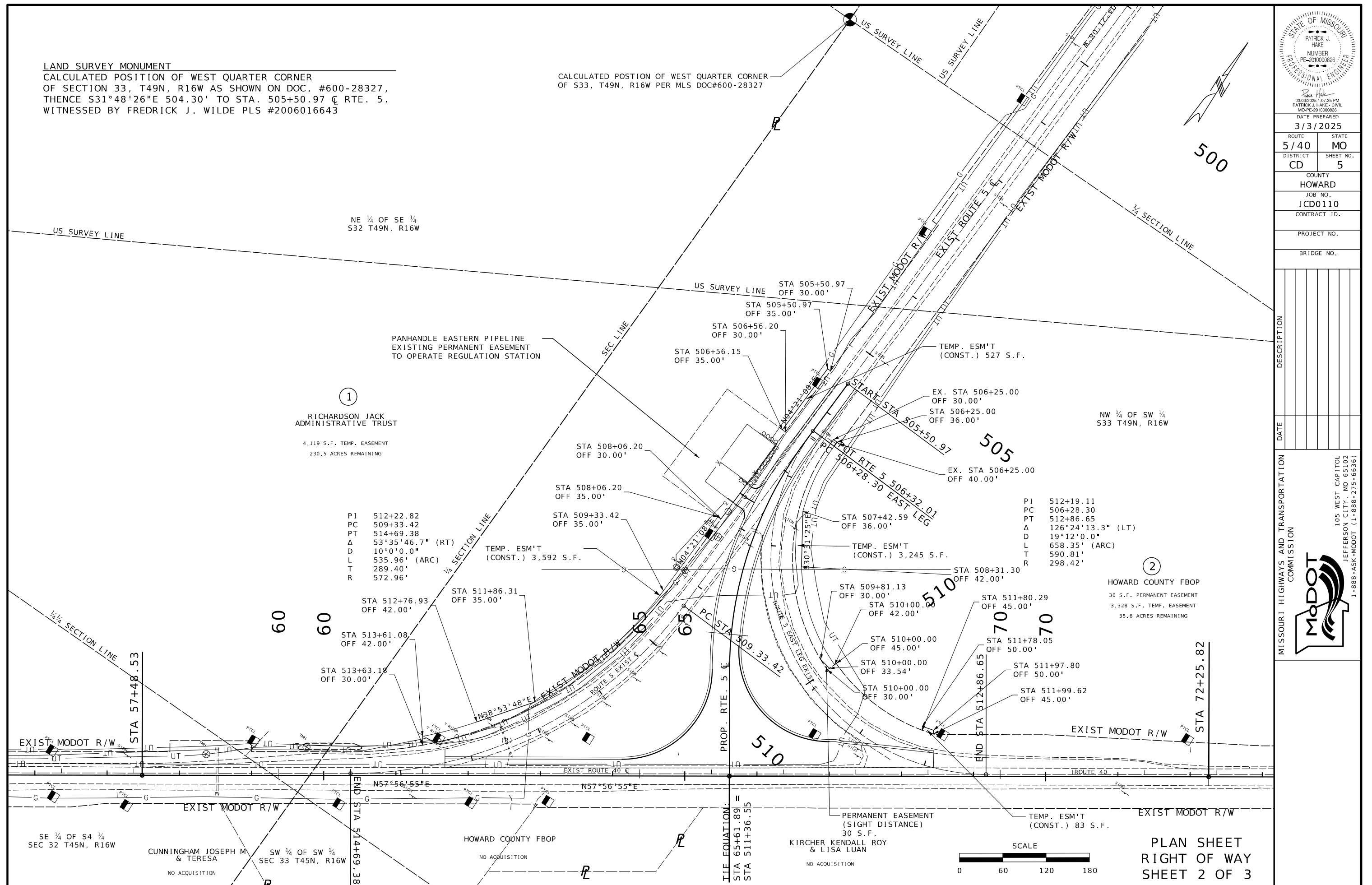
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

WARNING SIGNS									GUIDE SIGNS									ITEM		TOTAL		EFFECTIVE: 07-01-2024
SIGN	SIZE	AREA	QTY	TOTAL AREA	QTY	TOTAL RELOC	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL RELOC	SIGN	DESCRIPTION	NUMBER	QTY	DESCRIPTION		
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)		
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)		
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)		
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122012	2	IMPACT ATTENUATOR 55 MPH (SAND BARRELS)		
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00						END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)		
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)		
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)		
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122020	2	REPLACEMENT SAND BARREL		
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)	6122030	2	IMPACT ATTENUATOR (RELOCATION)		
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6123001		TRUCK MOUNTED ATTENUATOR (TMA)		
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6161008		ADVANCED WARNING RAIL SYSTEM		
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)		
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)		
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014	100	SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)		
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161025		CHANNELIZER (TRIM LINE)		
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161030		TYPE III MOVEABLE BARRICADE		
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161033		DIRECTION INDICATOR BARRICADE		
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161040		FLASHING ARROW PANEL		
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER		
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT		
WO3-3	48X48	16.00	3	48.00			12	SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00						SPEED LIMIT XX	6161070		TUBULAR MARKER		
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM		
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED		
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161098A	3	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED		
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED		
WO4-1aL	48X48	16.00						MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6162000A	1	WORK ZONE TRAFFIC SIGNAL SYSTEM		
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT	6162002	3	TEMPORARY LONG-TERM RUMBLE STRIPS		
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6173600D	615	CONTRACTOR FURNISHED/RETAINED		
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6173602B		TEMPORARY TRAFFIC BARRIER		
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6174000A		CONTRACTOR FURNISHED/COMMISSION RETAINED		
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6175010A	378	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION		
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER		
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6176000B		TEMPORARY TRAFFIC BARRIER		
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6177000B		COMMISSION FURNISHED/RETAINED		
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	9029400		TEMPORARY RAISED PAVEMENT MARKER		
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	9029401		TEMPORARY TRAFFIC SIGNALS		
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING		
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED					
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE					
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE					
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6	24X36	6.00	3	18.00			47	STOP HERE ON RED (45° ARROW)					
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00						ROAD CLOSED					
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD					
WO8-9	48X48	16.00						LOW SHOULDER	R11-4	60X30	12.50						LOCAL TRAFFIC ONLY					
WO8-11	48X48	16.00						UNEVEN LANES	CONST-3A	60X48	20.00						ROAD CLOSED TO THRU TRAFFIC					
WO8-12	48X48	16.00						NO CENTER LINE	CONST-3X	56X12	4.67						FINE SIGN					
WO8-15	48X48	16.00						GROOVED PAVEMENT	MISCELLANEOUS SIGNS													
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-5	48X36	12.00	3	36.00				POINT OF PRESENCE					
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-5	96X48	32.00						POINT OF PRESENCE					
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-8	48X36	12.00	3	36.00			59	WORK ZONE NO PHONE ZONE					
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)														

CALCULATED POSITION OF WEST QUARTER CORNER
OF SECTION 33, T49N, R16W AS SHOWN ON DOC. #600-28327,
THENCE S31°48'26"E 504.30' TO STA. 505+50.97 @ RTE. 5.
WITNESSED BY FREDRICK J. WILDE PLS #2006016643

CALCULATED POSTION OF WEST QUARTER CORNER
OF S33, T49N, R16W PER MLS DOC#600-28327



DATE PREPARED
3/3/2025

ROUTE	STATE
5 / 40	MO

3740	MO
DISTRICT	SHEET NO.
CD	E

CD	5
COUNTY	

HOWARD
JOB NO.

JCD0110
CONTRACT ID.

PROJECT NO.

PROJECT NO.

BRIDGE NO.

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CAPITAL 651

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SIO
FEB 83

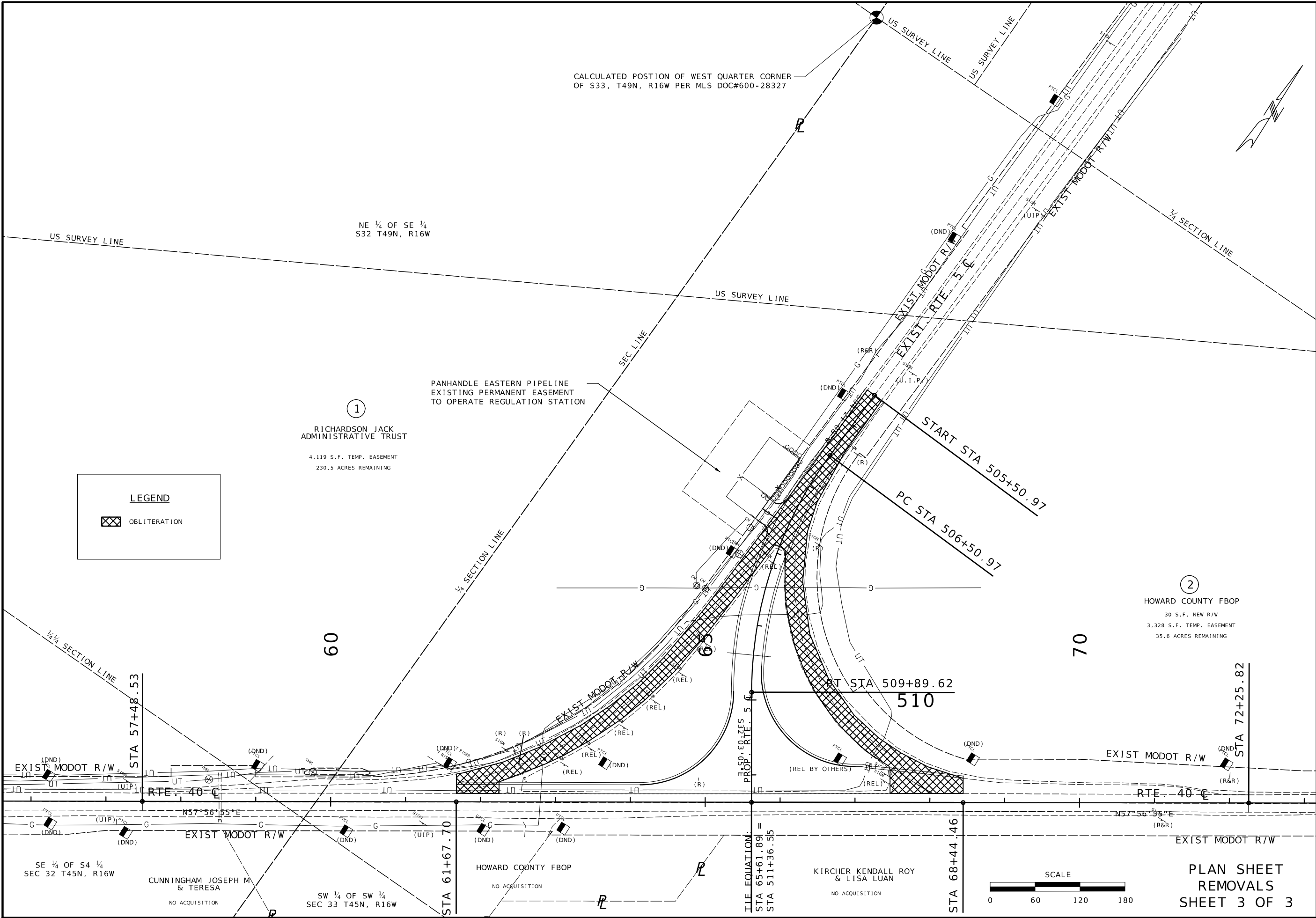
WAYCOM



2	✓

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.



STATE OF MISSOURI

PATRICK J. HAKE

NUMBER

PE-2010000826

PROFESSIONAL ENGINEER

03/03/2025 1:07:27 PM

PATRICK J. HAKE - CIVIL

MO-PE-2010000826

DATE PREPARED

3/3/2025

ROUTE

5/40

DISTRICT

CD

STATE

MO

SHEET NO.

6

COUNTY

HOWARD

JOB NO.

JCD0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

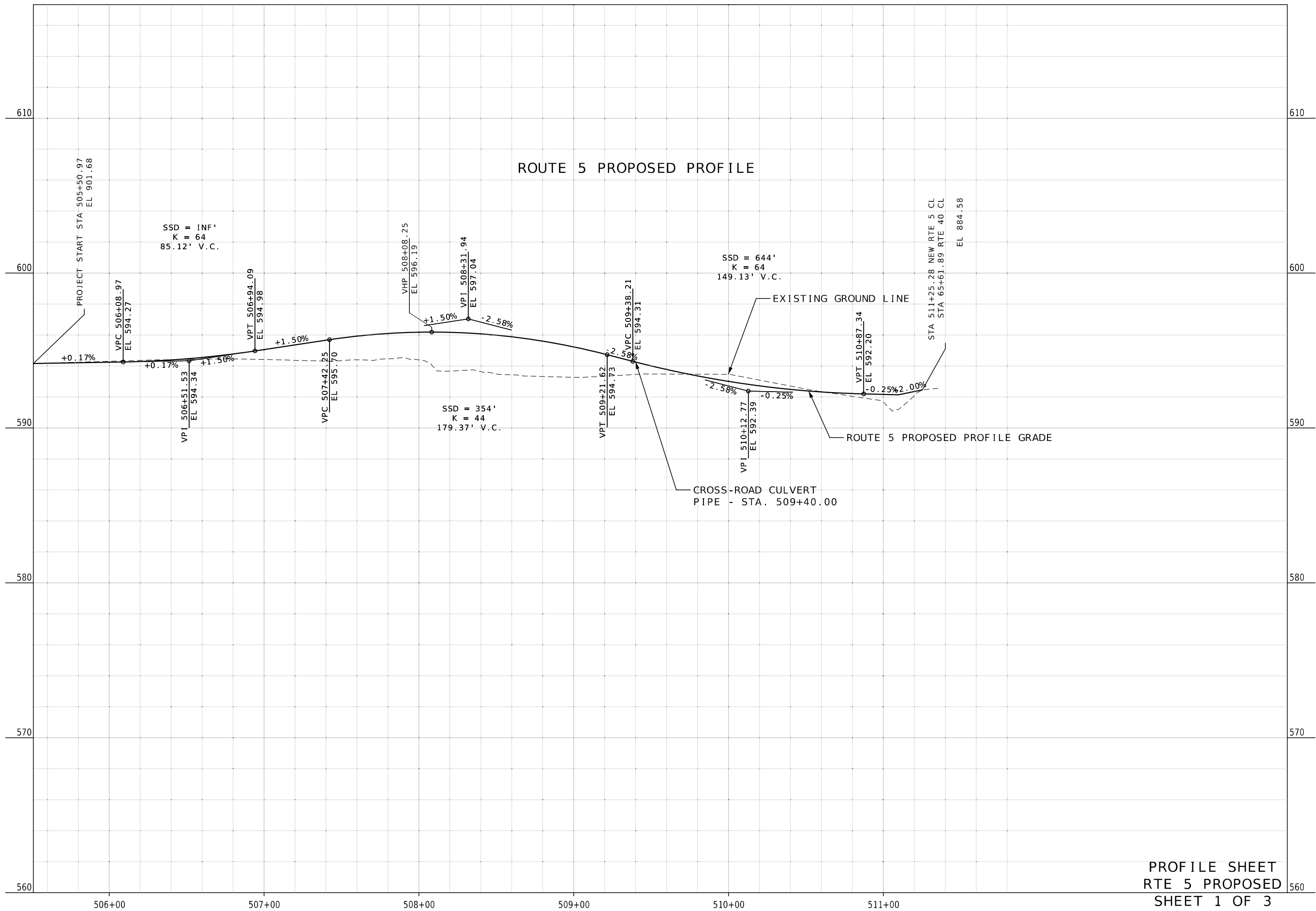
MODOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

PLAN SHEET
REMOVALS
SHEET 3 OF 3



PROFILE SHEET
RTE 5 PROPOSED
SHEET 1 OF 3



DATE PREPARED
3/3/2025

ROUTE 5/40 STATE MO

DISTRICT CD SHEET NO. 7

COUNTY HOWARD

JOB NO. JCD0110

CONTRACT ID.

PROJECT NO.

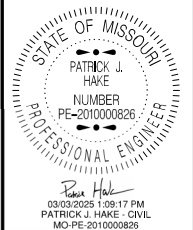
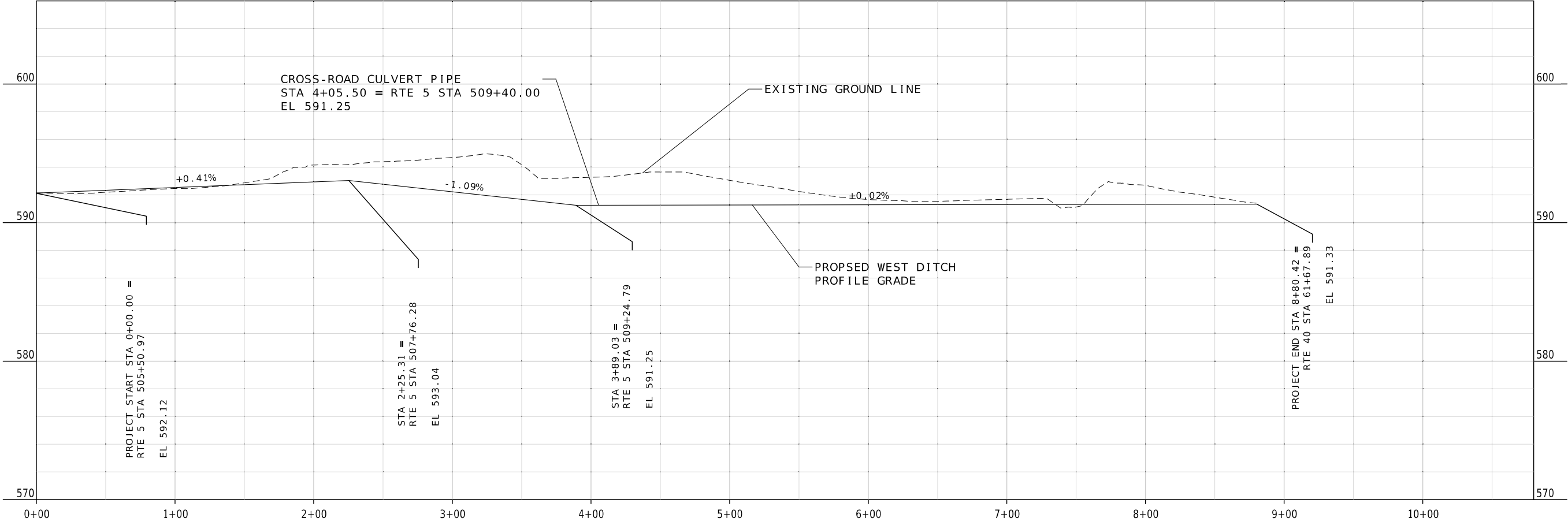
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

ROUTE 5 / 40 WEST DITCH



DATE PREPARED 3/3/2025	
ROUTE 5/40	STATE MO
DISTRICT CD	SHEET NO. 8
COUNTY HOWARD	
JOB NO. JCD0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

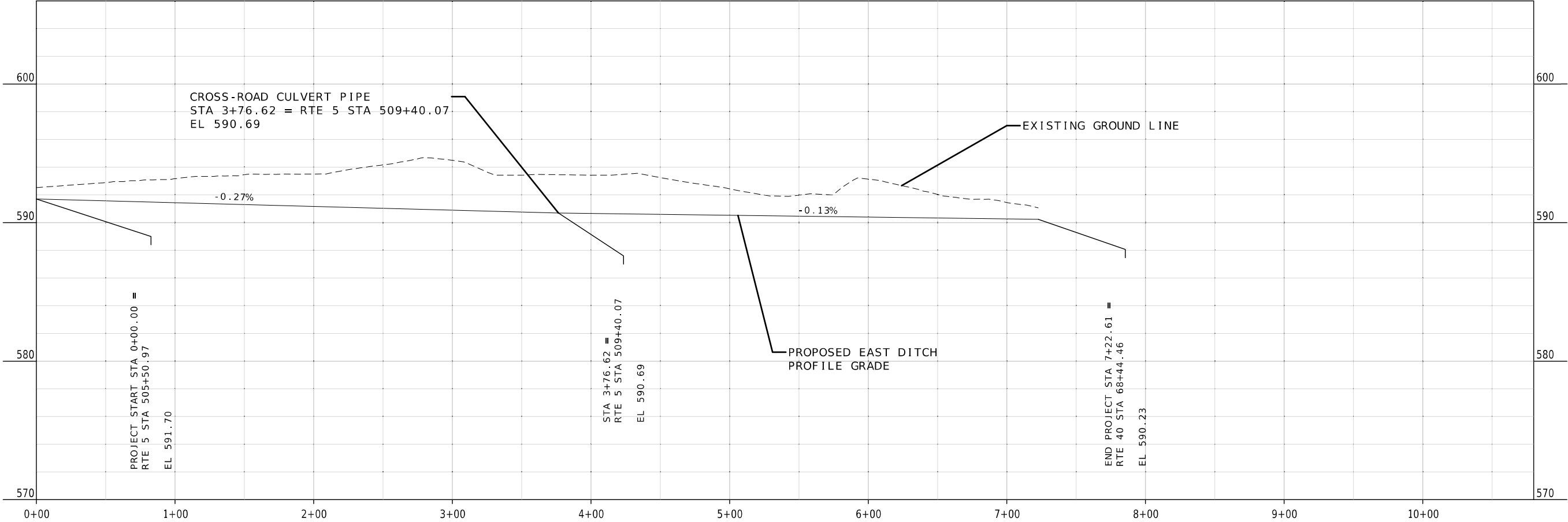
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

ROUTE 5 / 40 EAST DITCH



PROFILE SHEET
RTE 5 / 40 EAST DITCH
SHEET 3 OF 3



DATE PREPARED
3/3/2025

ROUTE 5 / 40
DISTRICT CD

STATE MO
SHEET NO. 9

COUNTY HOWARD

JOB NO. JCD0110

CONTRACT ID.

PROJECT NO.

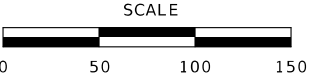
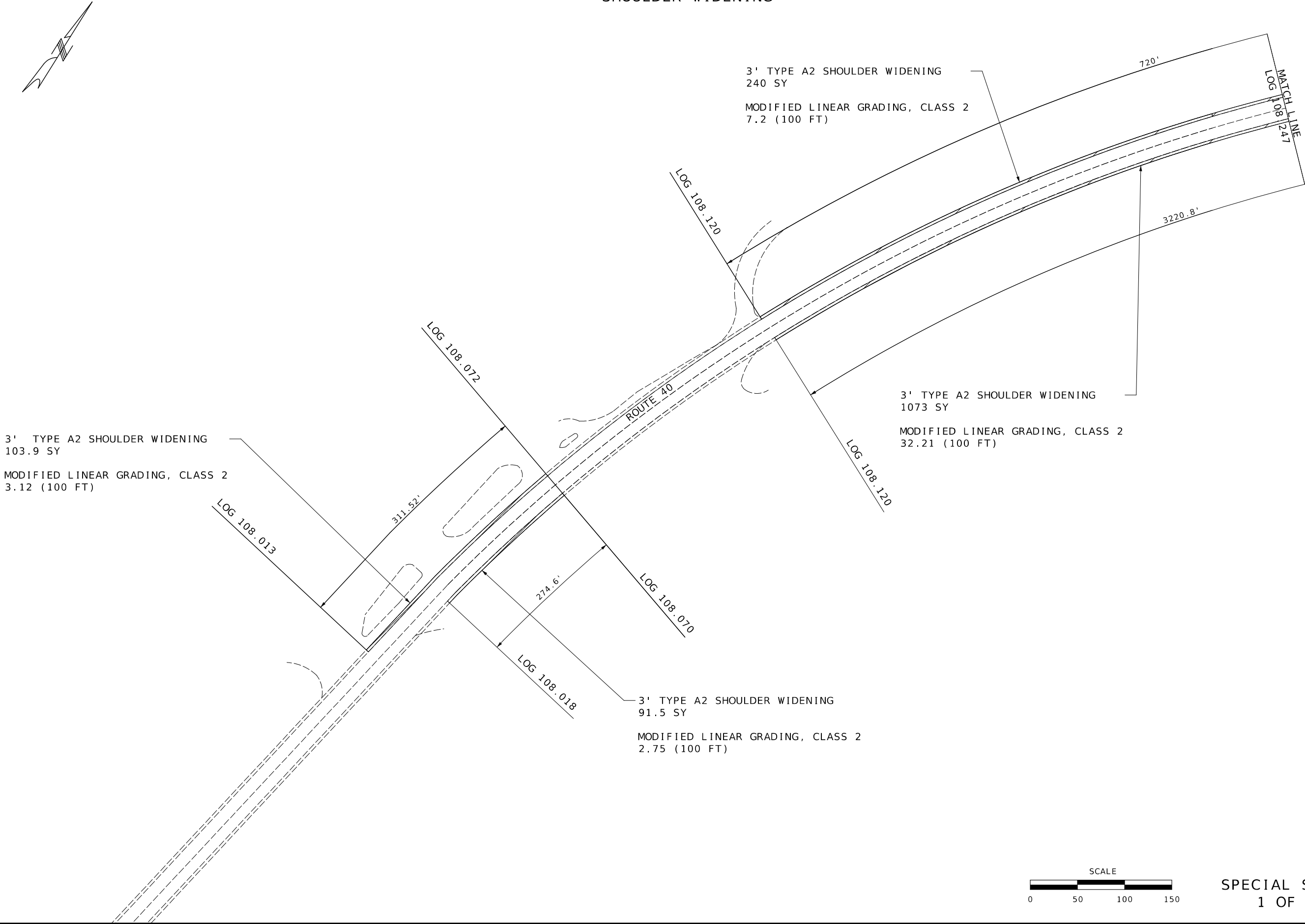
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

SHOULDER WIDENING



SPECIAL SHEET
1 OF 4

STATE OF MISSOURI

PATRICK J. HAKE

NUMBER

PE-2010000826

PROFESSIONAL ENGINEER

DATE PREPARED

3/3/2025

ROUTE

5/40

DISTRICT

CD

STATE

MO

SHEET NO.

10

COUNTY

HOWARD

JOB NO.

JCD0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

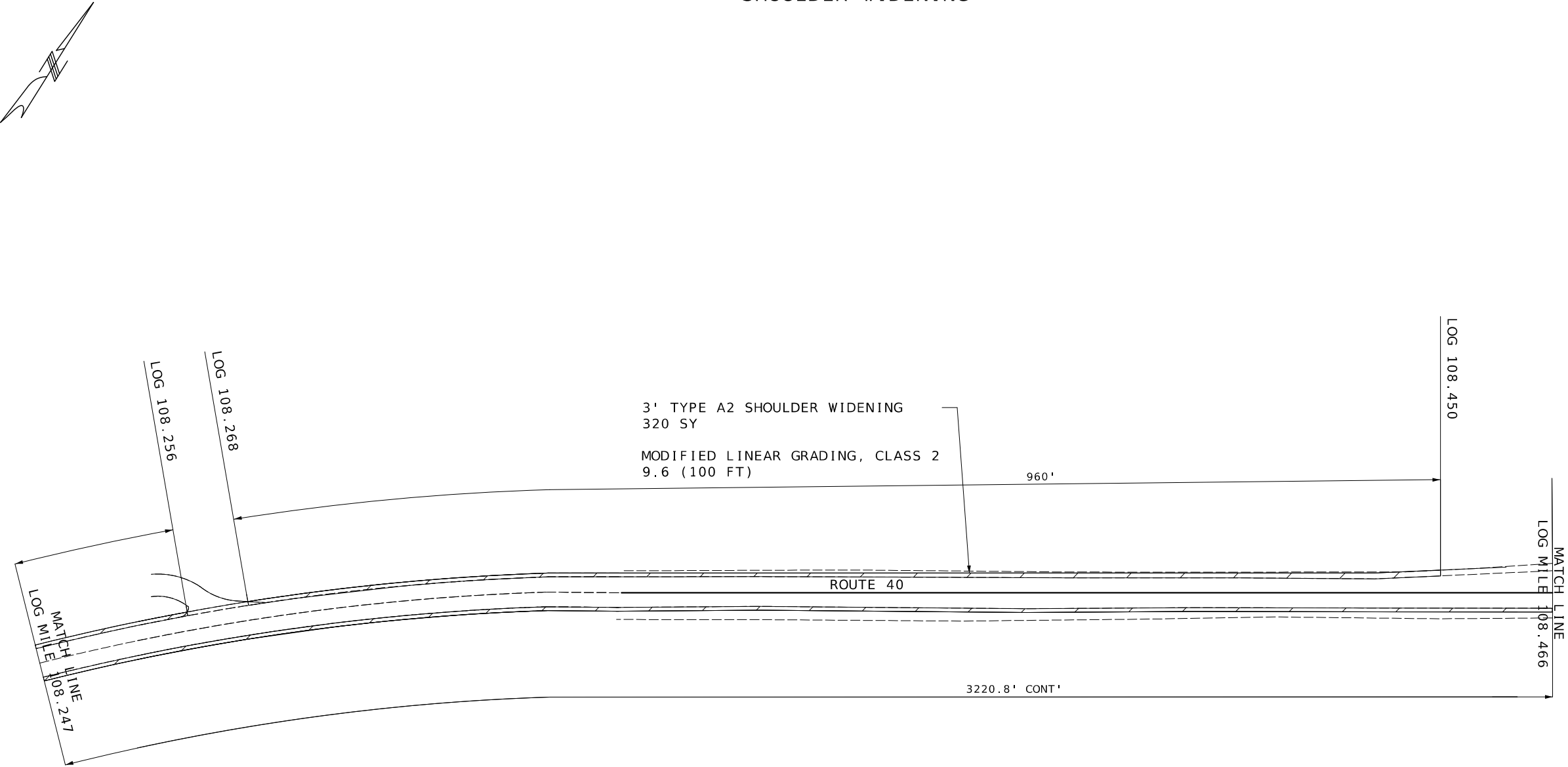
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

SHOULDER WIDENING



3' TYPE A2 SHOULDER WIDENING
320 SY
MODIFIED LINEAR GRADING, CLASS 2
9.6 (100 FT)

ROUTE 40

3220.8' CONT'

960'

LOG 108.450

MATCH LINE
LOG MILE 108.466

MATCH LINE
LOG MILE 108.247

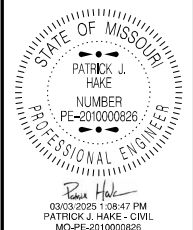
LOG 108.256

LOG 108.268

SCALE



SPECIAL SHEET
2 OF 4



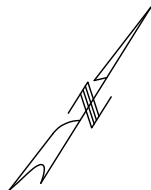
DATE PREPARED 3/3/2025	
ROUTE 5/40	STATE MO
DISTRICT CD	SHEET NO. 11
COUNTY HOWARD	
JOB NO. JCD0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

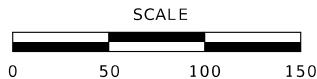
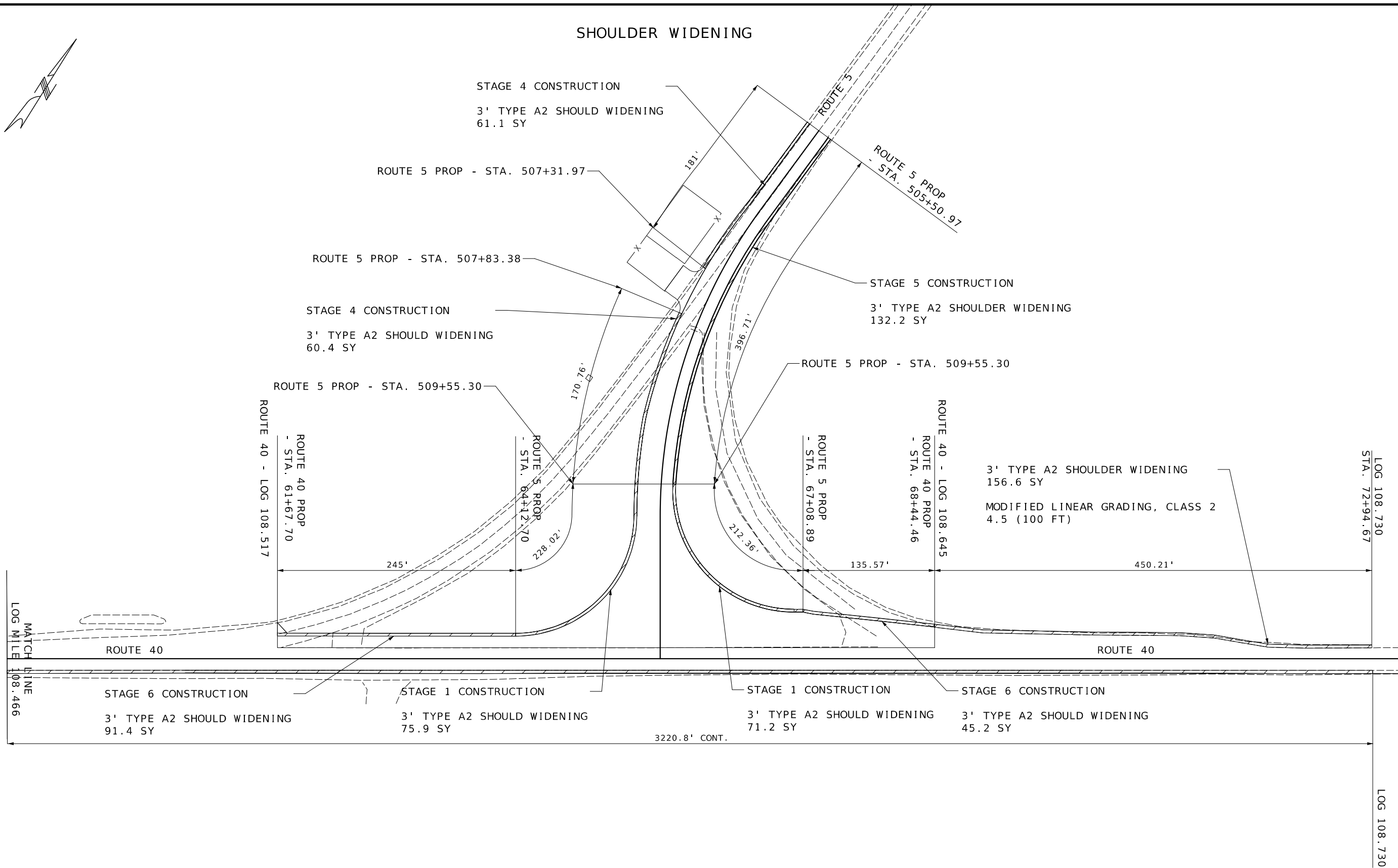
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



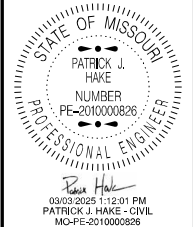
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



SHOULDER WIDENING



SPECIAL SHEET
3 OF 4

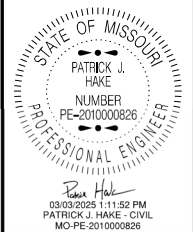
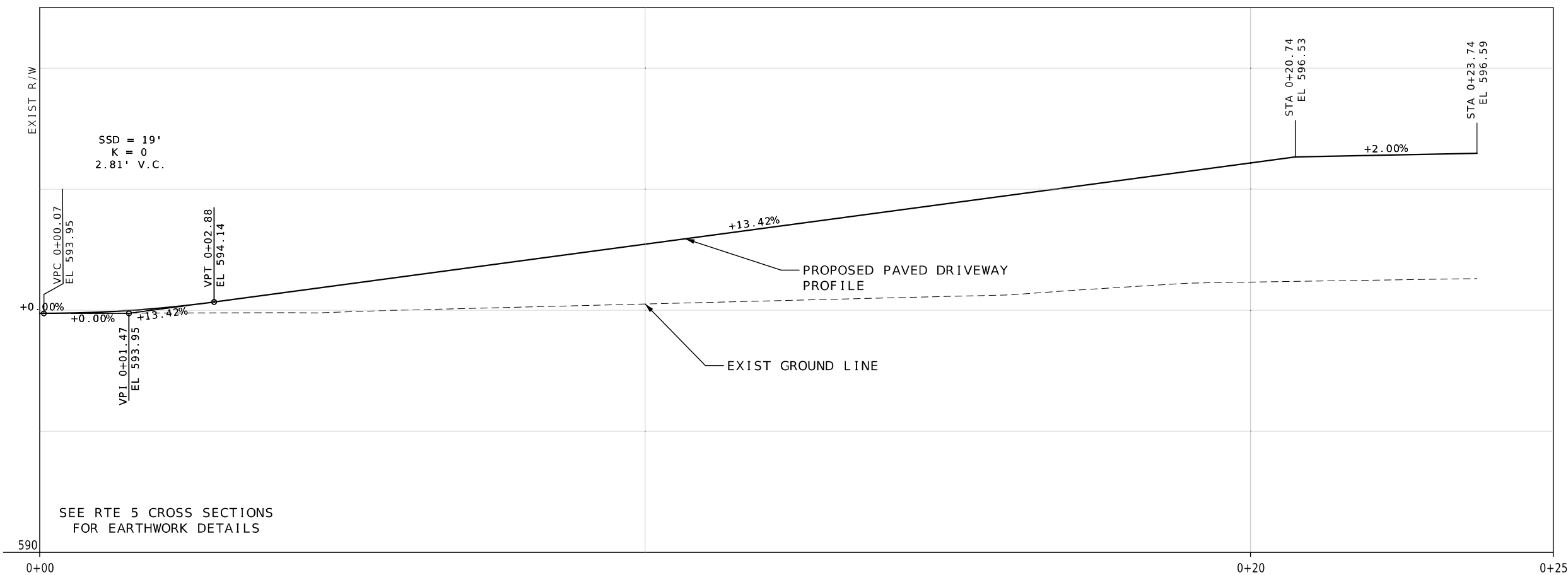
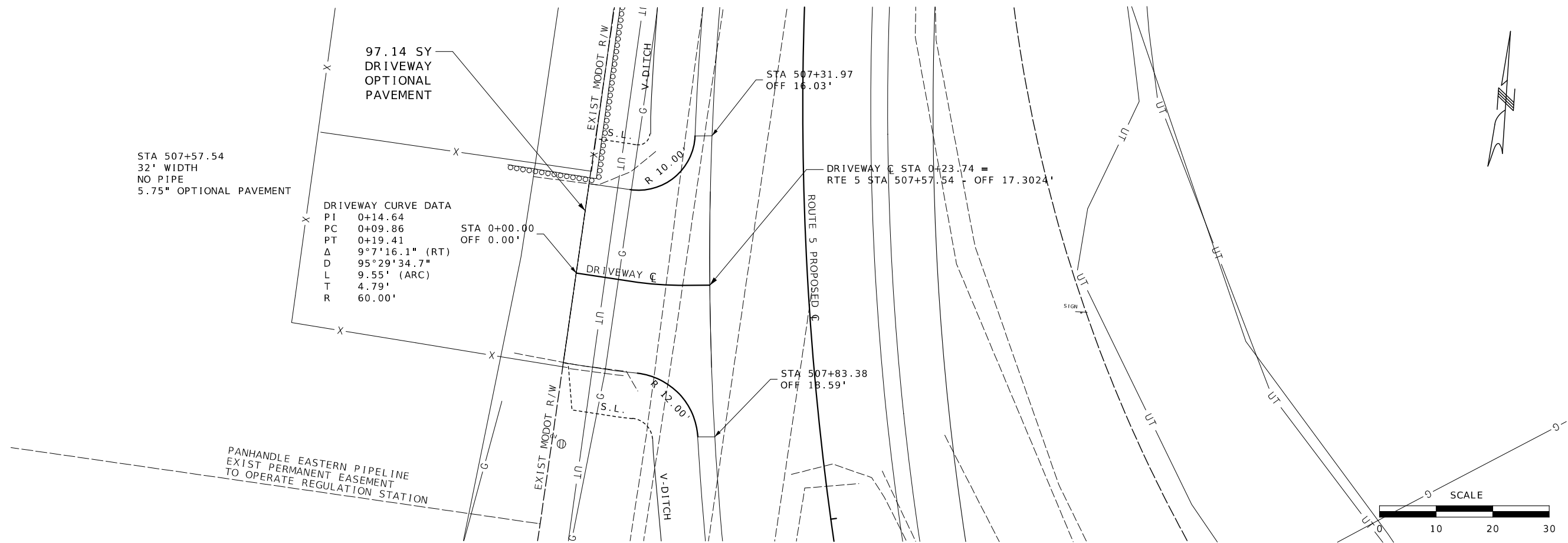


DATE PREPARED 3/3/2025	
ROUTE 5/40	STATE MO
DISTRICT CD	SHEET NO. 12
COUNTY HOWARD	
JOB NO. JCD0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

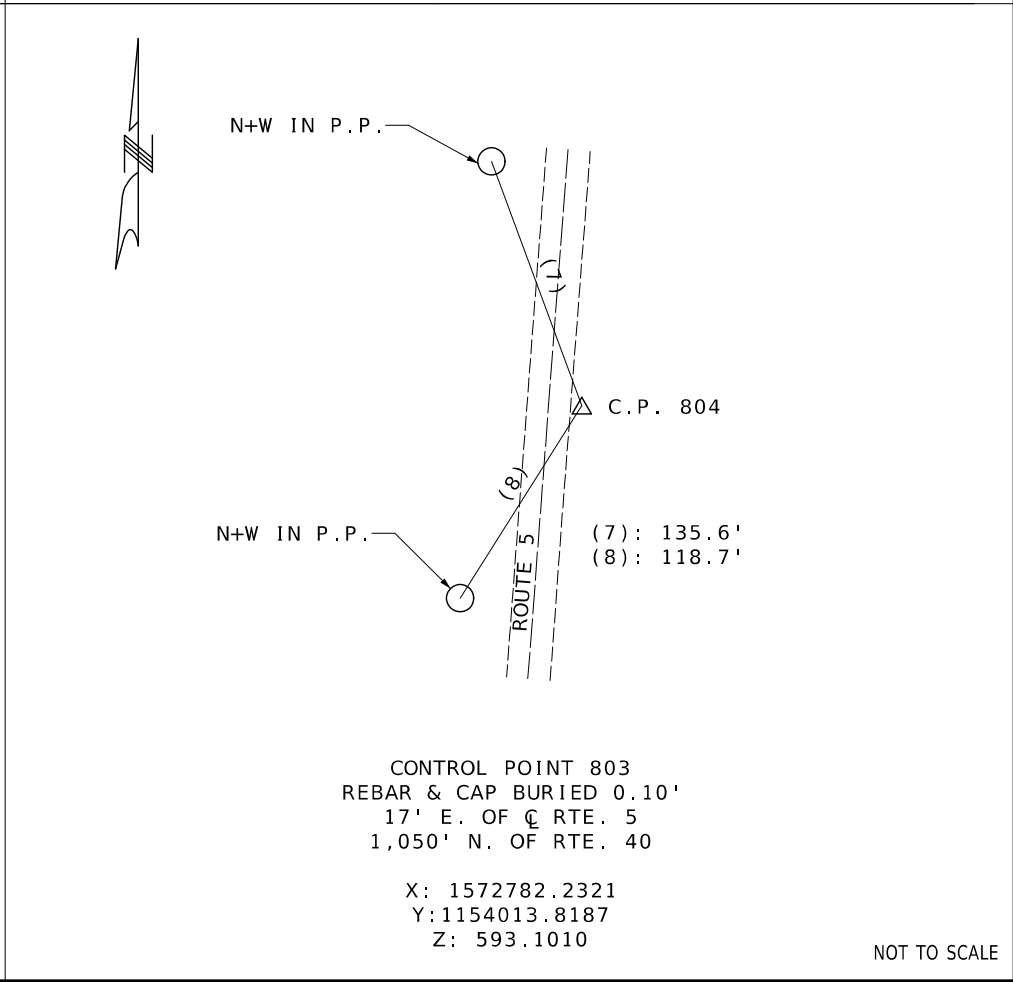
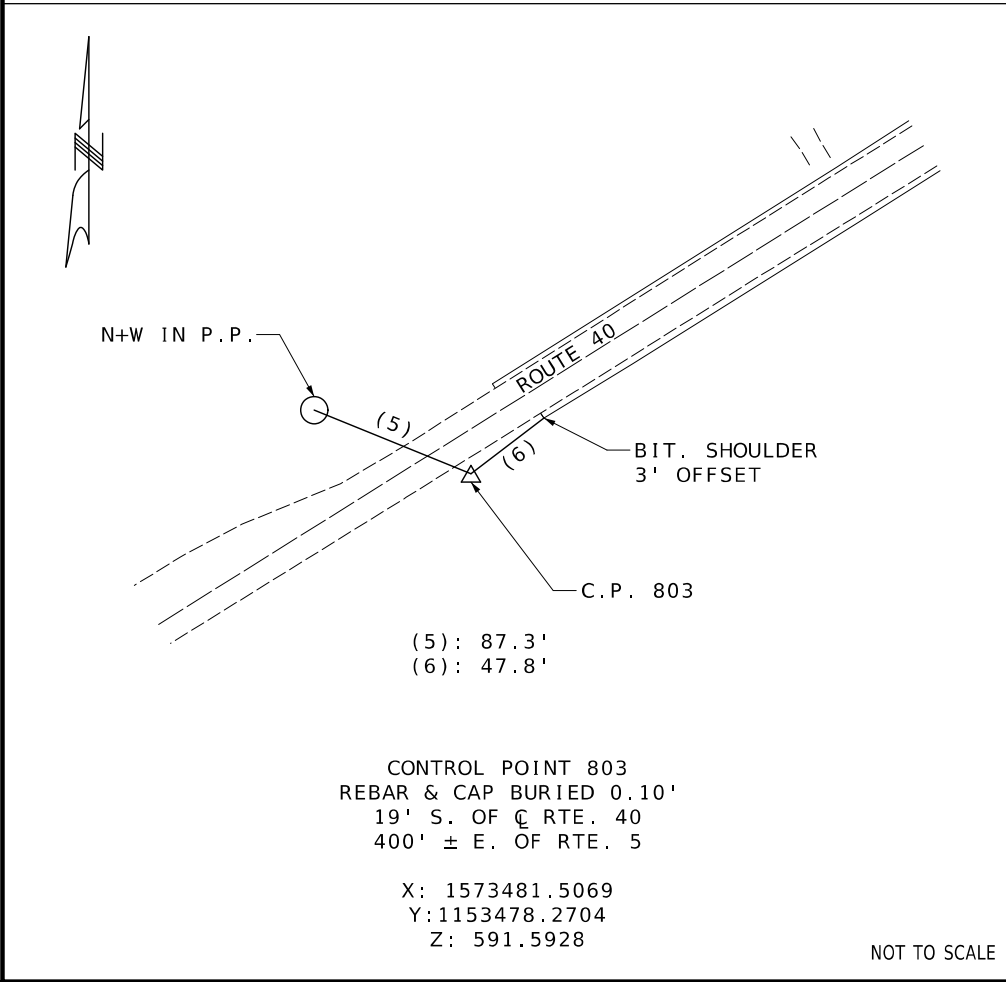
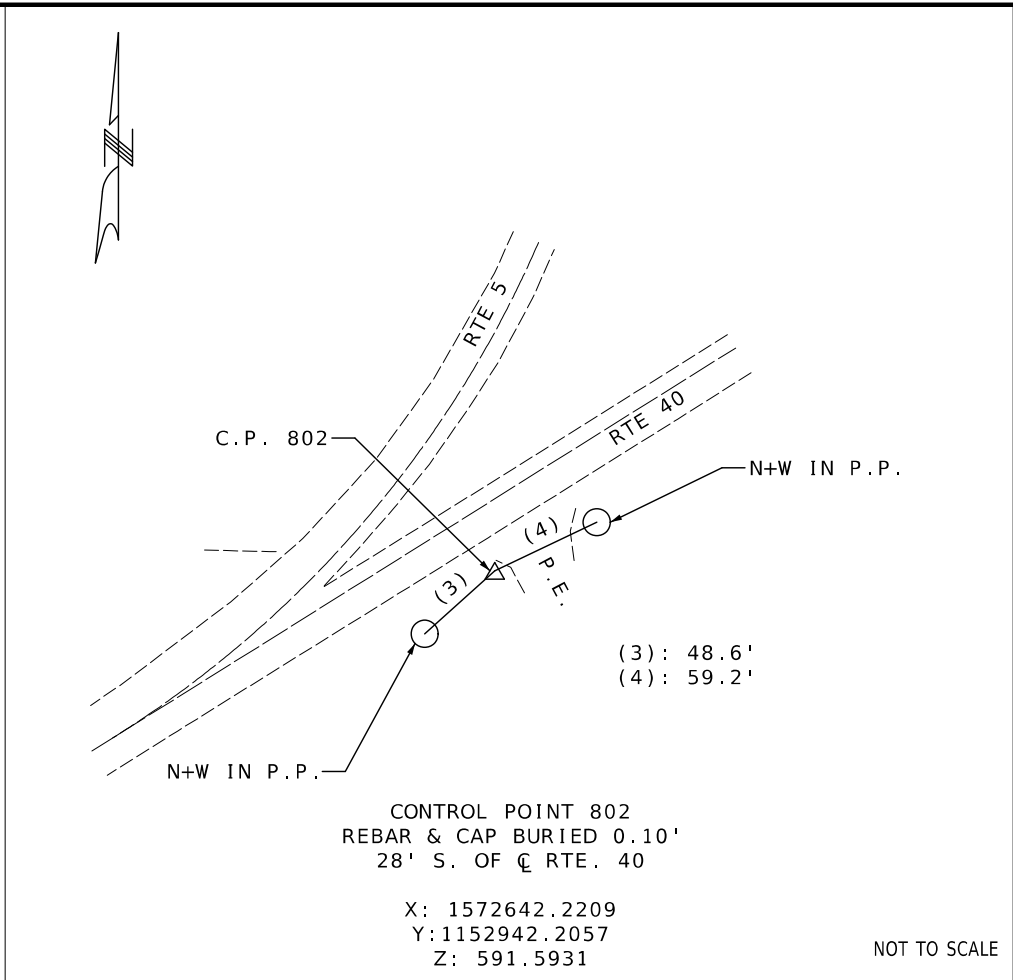
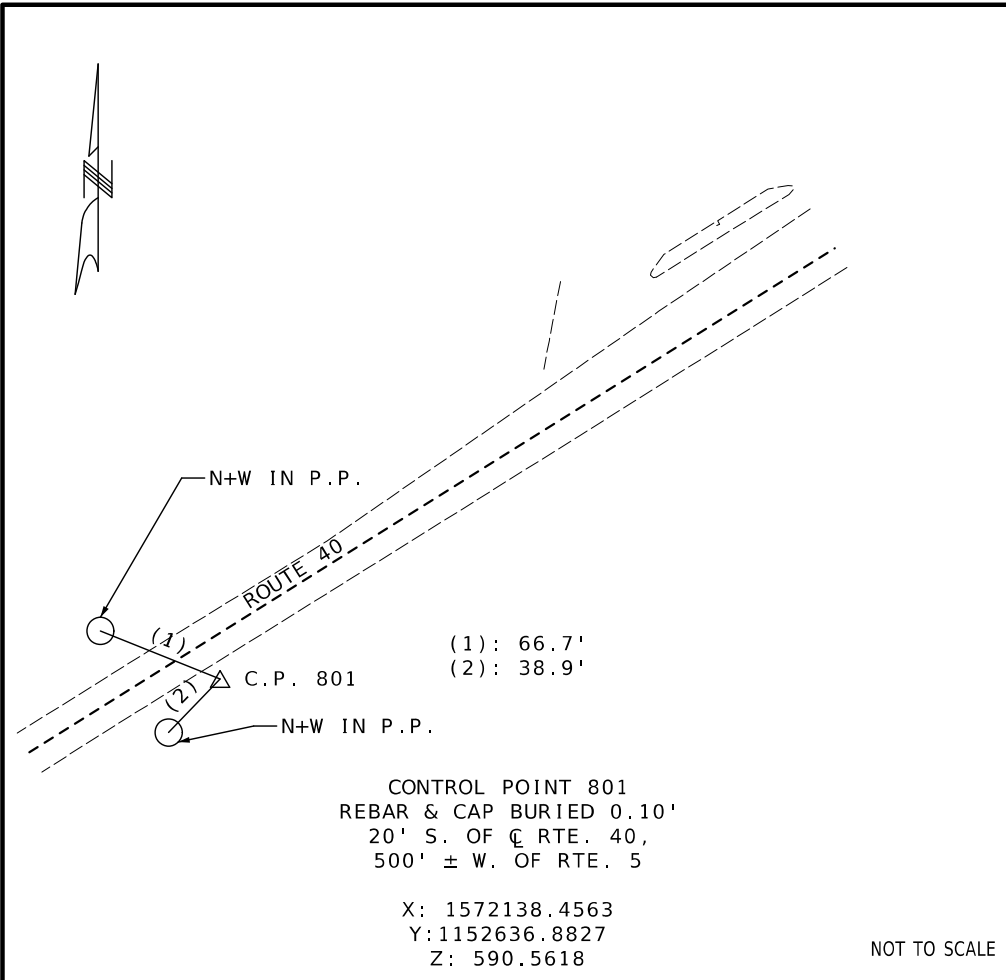
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



DATE PREPARED 3/3/2025	
ROUTE 5/40	STATE MO
DISTRICT CD	SHEET NO. 13
COUNTY HOWARD	
JOB NO. JCD0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION





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
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	G2018U7
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING FREDRICK WILDE
PROJECT PROJECTION FACTOR	1.00091400
REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	NAD83 (2011)
CONTROL STATION	CORS
DESIGNATION	MODOT BOONVILLE CORS ARP
CORS_ID	MOBO
PID	DN6077
LATITUDE	385552.5337
LONGITUDE	924643.6592
NORTHING (M)	343837.0270
EASTING (M)	475827.3000
ZONE	2402 (MO-CENTRAL)
PROJECT AVERAGE GRID FACTOR	0.99990810
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 #801 N 1572138.456 X 0.99990810 = N 1571993.976 E 1152636.883 X 0.99990810 = E 1152530.956	
LINEAR UNIT CONVERSION	
1 METER = 3.280833333 US SURVEY FEET (USFT)	

STATE OF MISSOURI

PATRICK J. HAKE

NUMBER
PE-2010000826

PROFESSIONAL ENGINEER

03/03/2025 1:11:43 PM

PATRICK J. HAKE - CIVIL

MO-PE-2010000826

DATE PREPARED
3/3/2025

ROUTE
5/40

STATE
MO

DISTRICT
CD

SHEET NO.
14

COUNTY
HOWARD

JOB NO.
JCD0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

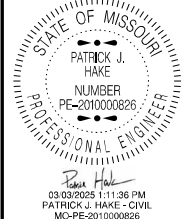
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

MODOT

COORDINATE POINT LISTING							
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	
ALIGNMENTS							
	505+50.97	ROUTE 5 CONST. C.L.	0	1572739.4190'	1153678.5619'	594.17	BEGIN PROJECT
	506+50.97	ROUTE 5 CONST. C.L.	0	1572731.8300'	1153578.8502'	594.44	PC
	509+89.62	ROUTE 5 CONST. C.L.	0	1572811.5366'	1153255.5491'	593.19	PT
	511+36.55	ROUTE 5 CONST. C.L.	0	1572889.5119'	1153131.0109'	592.58	END PROJECT
	489+50.00	ROUTE 5 WEST EX. C.L.	0	1572860.9163'	1155274.9142'	-	START
	509+33.42	ROUTE 5 WEST EX. C.L.	0	1572710.3950'	1153297.2155'	-	PC
	514+69.38	ROUTE 5 WEST EX. C.L.	0	1572443.1461'	1152855.0736'	-	PT/END
	506+28.30	ROUTE 5 EAST EX. C.L.	0	1572733.2690'	1153597.7572'	-	START/PC
	512+86.65	ROUTE 5 EAST EX. C.L.	0	1573189.1868'	1153322.1816'	-	END/PT
	51+50.31	ROUTE 40 EX. C.L.	0	1571693.0962'	1152381.9160'	-	START
	65+30.70	ROUTE 40 EX. C.L.	0	1572863.0770'	1153114.4595'	-	POT
	76+41.10	ROUTE 40 EX. C.L.	0	1573804.2259'	1153703.7278'	-	END



DATE PREPARED	
3/3/2025	
ROUTE	STATE
5/40	MO
DISTRICT	SHEET NO.
CD	15
COUNTY	
HOWARD	
JOB NO.	
JCD0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

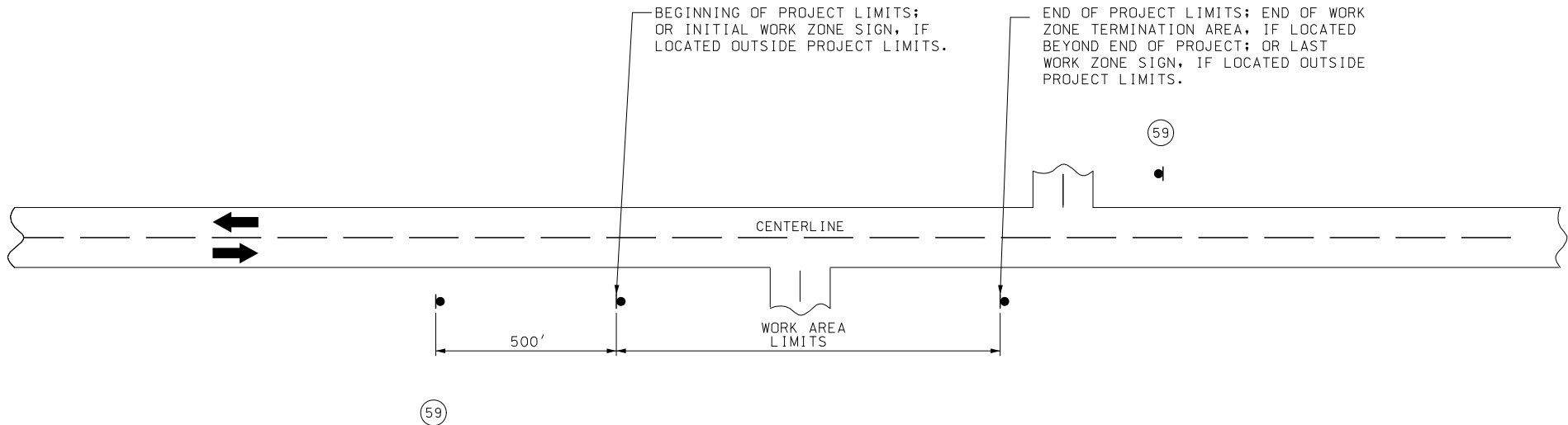
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER
03/03/2025 1:11:29 PM
PATRICK J. HAKE - CIVIL
MCPE-2010000826

DATE PREPARED
3/3/2025
ROUTE
5/40
DISTRICT
CD
STATE
MO
SHEET NO.
16
COUNTY
HOWARD
JOB NO.
JCD0110
CONTRACT ID.
PROJECT NO.
BRIDGE NO.



NOTES:

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

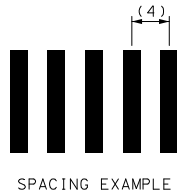
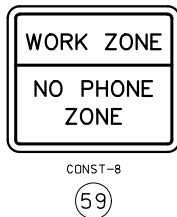
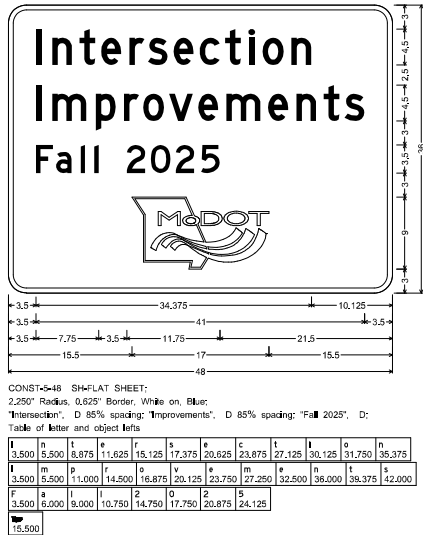
GENERAL NOTES:

ANY EXISTING SIGN THAT CONFLICTS WITH THE TRAFFIC CONTROL
SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

ALL SPACING OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND
MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY
THE ENGINEER.

FINAL PLACEMENT OF SIGNS SHALL BE AS APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL BE REQUIRED TO STAGE CONSTRUCTION AT
EXISTING ENTRANCES TO PROVIDE INGRESS AND EGRESS AS APPROVED
BY THE ENGINEER.



LONG-TERM RUMBLE STRIPS	
PERMANENT POSTED (MPH)	SPACING (4)
0-45 (OPTIONAL)	10-12 FT
50-55	10-12 FT
60-70	10-12 FT

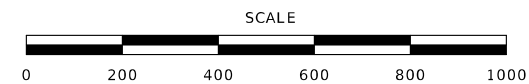
SEE TRAFFIC CONTROL SHEETS 2 AND 3 FOR
PLACEMENT OF LONG TERM RUMBLE STRIPS

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



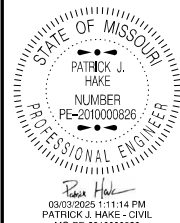
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

	SIGN (SINGLE SIDED)
	FLAGGER
	CHANNELIZER (TRIM LINE)
	TYPE III MOVEABLE BARRICADE
	CHANGEABLE MESSAGE BOARD
	PROPOSED PERMANENT PAVEMENT
	TEMPORARY SACRIFICIAL PAVEMENT
	PAVEMENT REMOVAL



		DATE PREPARED 3/3/2025	
ROUTE 5/40		STATE MO	
DISTRICT CD		SHEET NO. 17	
COUNTY HOWARD			
JOB NO. JCD0110			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
DATE		DESCRIPTION	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
		105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

STAGE 4 - 6 CONSTRUCTION



DATE PREPARED 3/3/2025	
ROUTE 5/40	STATE MO
DISTRICT CD	SHEET NO. 18
COUNTY HOWARD	
JOB NO. JCD0110	
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)

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- CHANNELIZER (TRIM LINE)
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE BOARD
- PROPOSED PERMANENT PAVEMENT
- TEMPORARY SACRIFICIAL PAVEMENT
- PAVEMENT REMOVAL

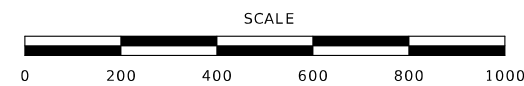
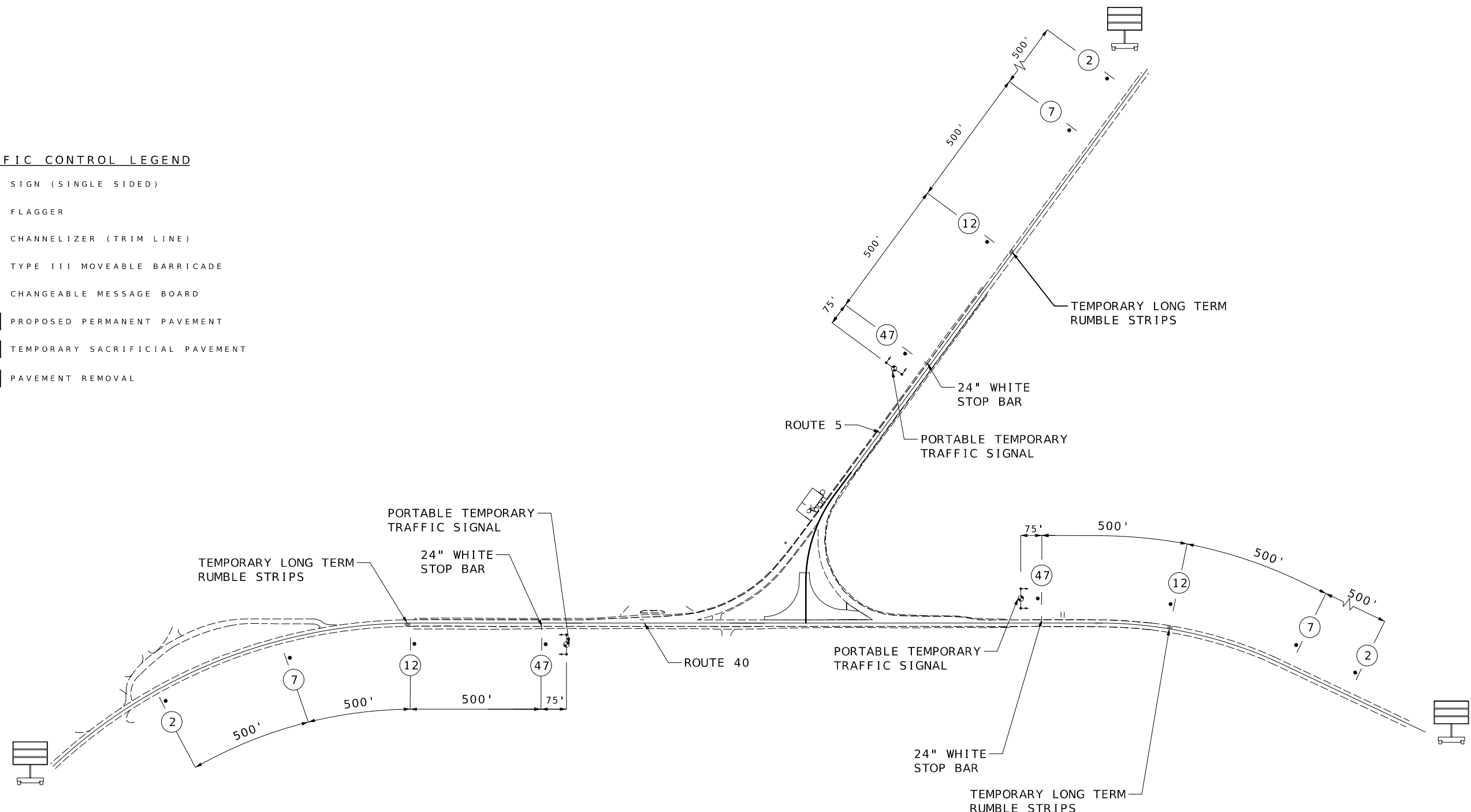
WO20-4
7

WO20-1
2

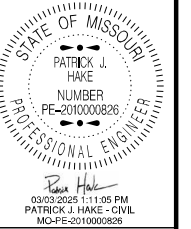
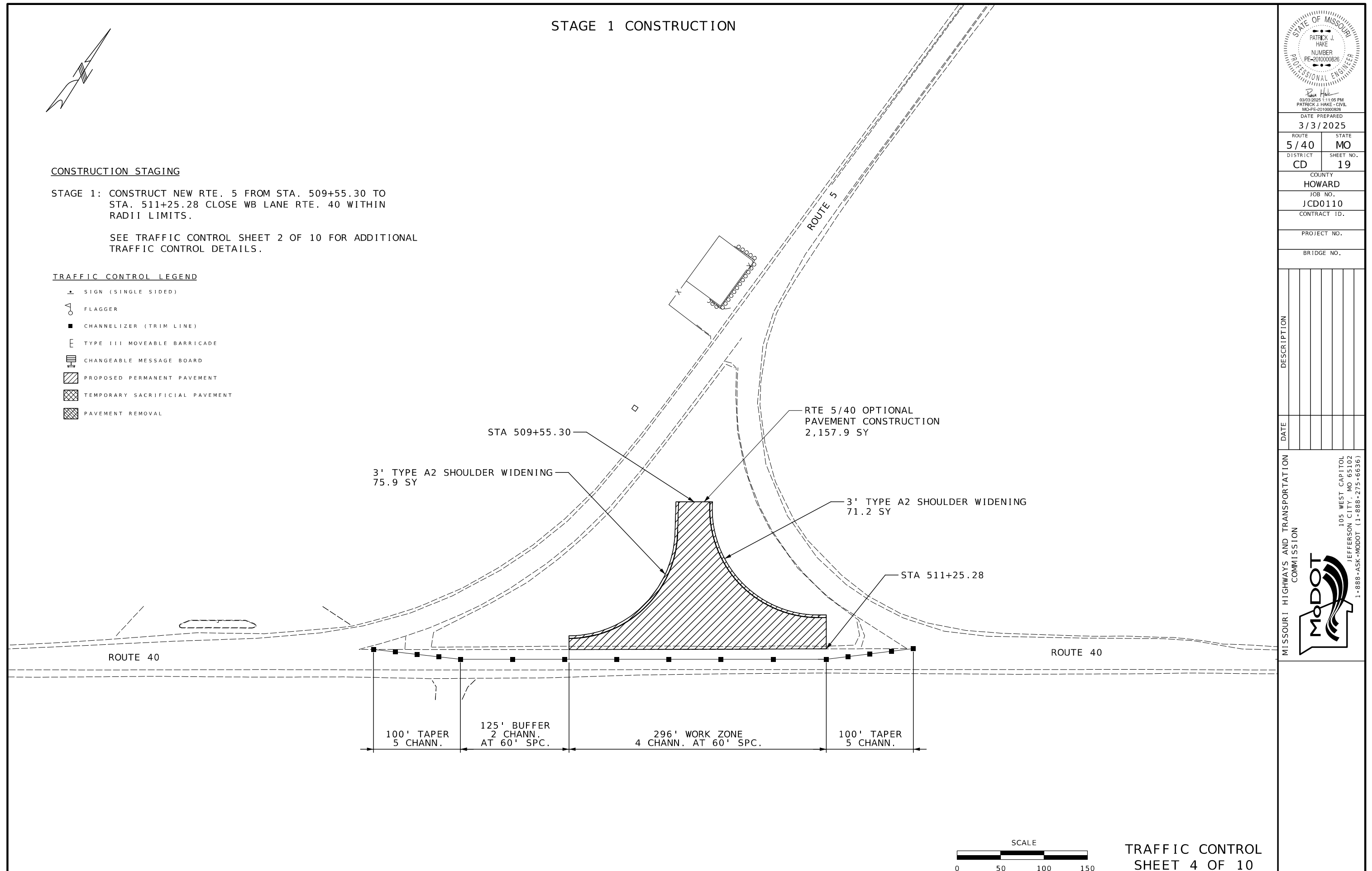
BRIDGE
OR
RAMP

WO3-3
12

STOP
HERE ON
RED
R10-6L
47



	SIGN (SINGLE SIDED)
	FLAGGER
	CHANNELIZER (TRIM LINE)
	TYPE III MOVEABLE BARRICADE
	CHANGEABLE MESSAGE BOARD
	PROPOSED PERMANENT PAVEMENT
	TEMPORARY SACRIFICIAL PAVEMENT
	PAVEMENT REMOVAL



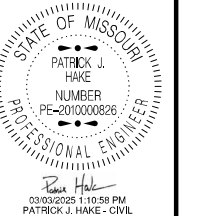
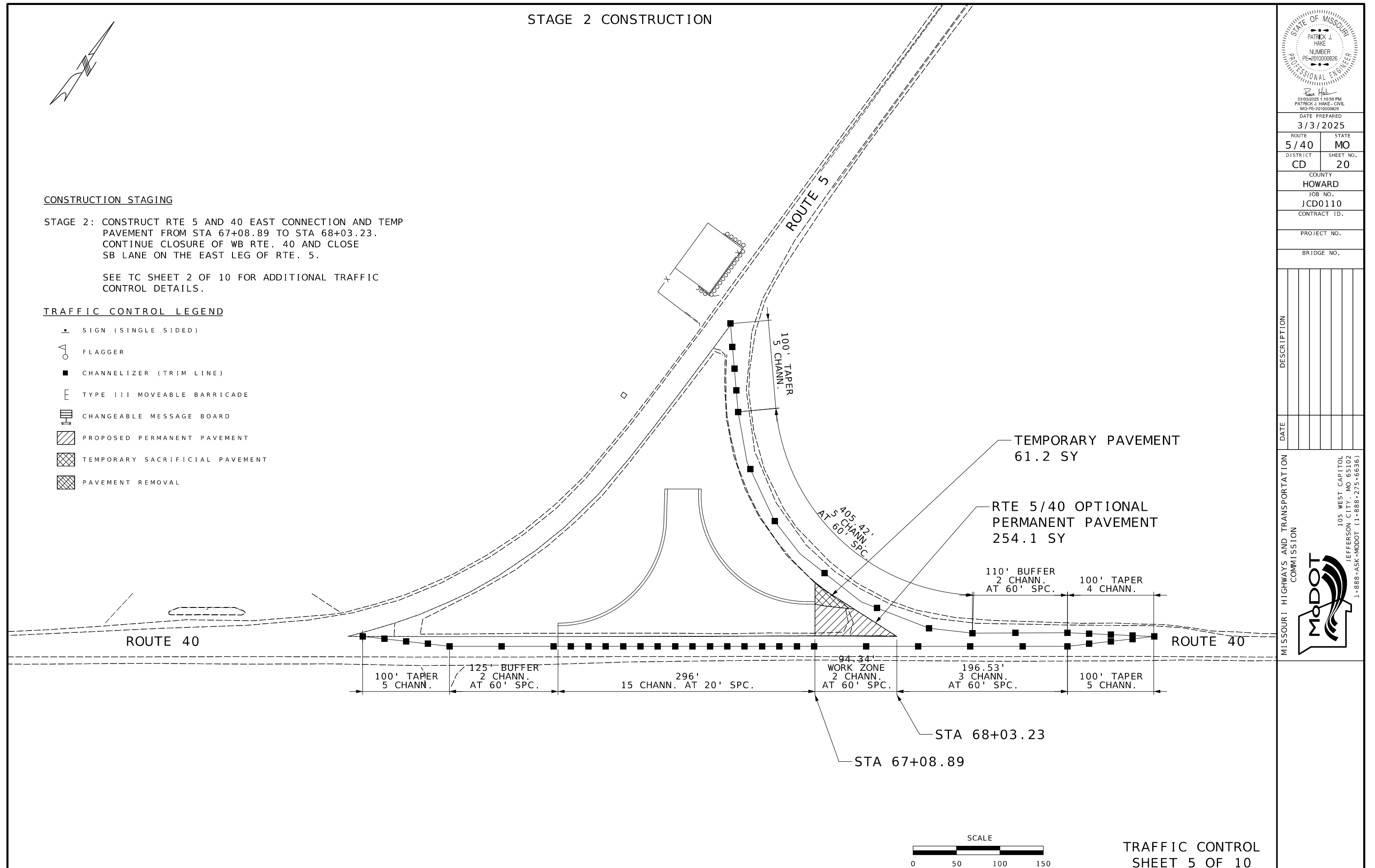
DATE PREPARED	
3/3/2025	
ROUTE	STATE
5/40	MO
DISTRICT	SHEET NO.
CD	19
COUNTY	
HOWARD	
JOB NO.	
JCD0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



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

SEE TC SHEET 2 OF 10 FOR ADDITIONAL TRAFFIC
CONTROL DETAILS.

	SIGN (SINGLE SIDED)
	FLAGGER
	CHANNELIZER (TRIM LINE)
	TYPE III MOVEABLE BARRICADE
	CHANGEABLE MESSAGE BOARD
	PROPOSED PERMANENT PAVEMENT
	TEMPORARY SACRIFICIAL PAVEMENT
	PAVEMENT REMOVAL



DATE PREPARED	
3/3/2025	
ROUTE	STATE
5/40	MO
DISTRICT	SHEET NO.
CD	20
COUNTY	
HOWARD	
JOB NO.	
JCD0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



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

STAGE 3 CONSTRUCTION

CONSTRUCTION STAGING

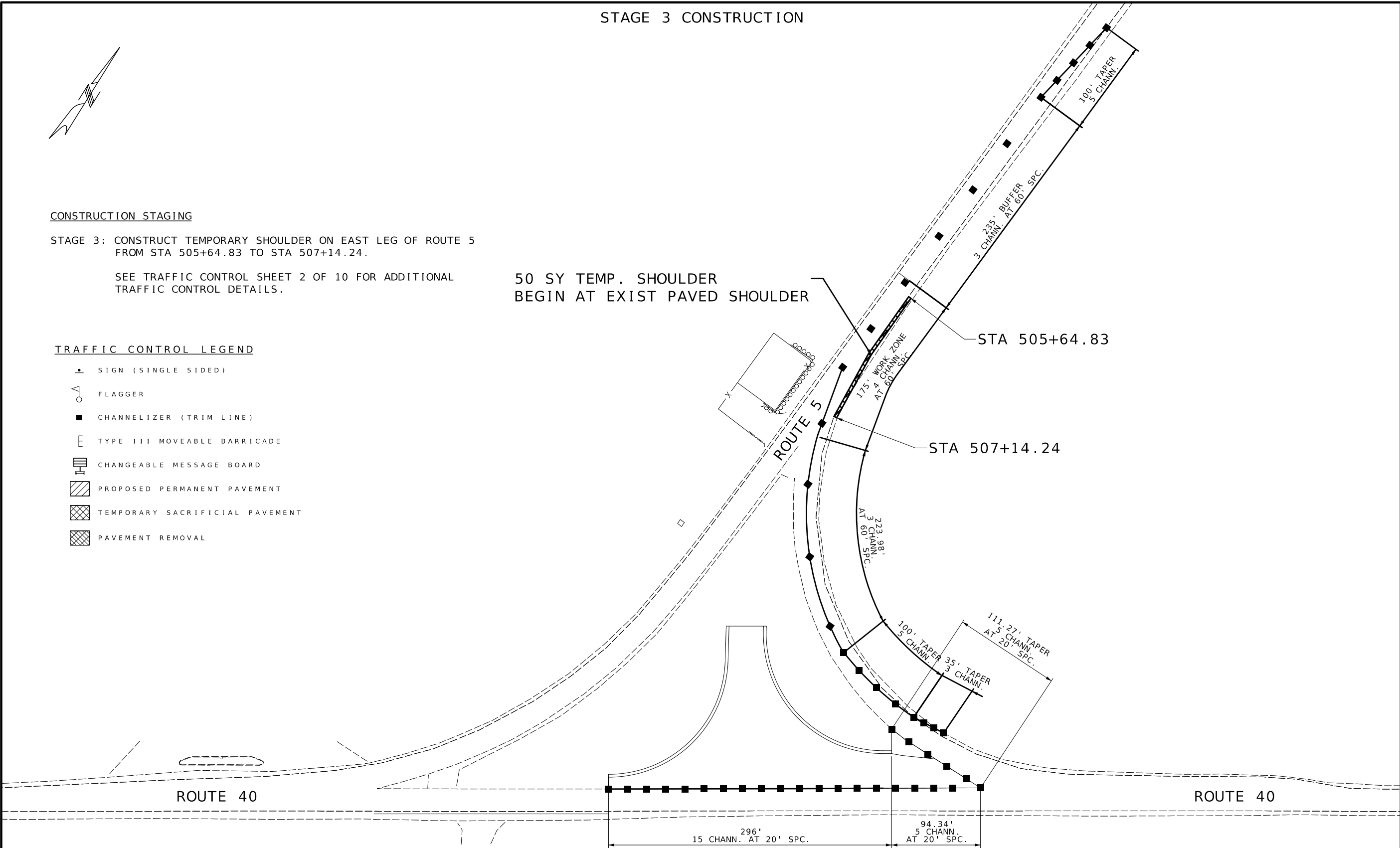
STAGE 3: CONSTRUCT TEMPORARY SHOULDER ON EAST LEG OF ROUTE 5
FROM STA 505+64.83 TO STA 507+14.24.

SEE TRAFFIC CONTROL SHEET 2 OF 10 FOR ADDITIONAL
TRAFFIC CONTROL DETAILS.

50 SY TEMP. SHOULDER
BEGIN AT EXIST PAVED SHOULDER

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- CHANNELIZER (TRIM LINE)
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE BOARD
- PROPOSED PERMANENT PAVEMENT
- TEMPORARY SACRIFICIAL PAVEMENT
- PAVEMENT REMOVAL



STATE OF MISSOURI

PATRICK J. HAKE

NUMBER

PE-2010000826

PROFESSIONAL ENGINEER

03/03/2025 1:10:48 PM

PATRICK J. HAKE - CIVIL

MO-PE-2010000826

DATE PREPARED

3/3/2025

ROUTE

5/40

DISTRICT

CD

STATE

MO

SHEET NO.

21

COUNTY

HOWARD

JOB NO.

JCD0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

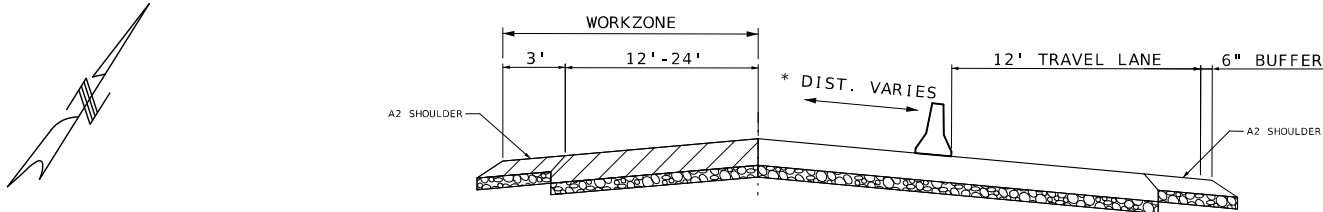
JEFFERSON CITY, MO 65102

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

MoDOT

TRAFFIC CONTROL SHEET 6 OF 10

STAGE 4 CONSTRUCTION



CONSTRUCTION STAGING

STAGE 4: REMOVE EXIST PAVEMENT ON RTE 5 WEST LEG
FROM STA 505+50.97 TO STA 513+32.27.

CONSTRUCT THE PROPOSED ROUTE 5 SB LANE
FROM STA 505+50.97 TO STA 509+55.30.

SEE TRAFFIC CONTROL SHEET 3 OF 10 FOR
ADDITIONAL TRAFFIC CONTROL DETAILS.

TRAFFIC CONTROL LEGEND

- | | |
|---|--|
|  | SIGN (SINGLE SIDED) |
|  | FLAGGER |
|  | CHANNELIZER (TRIM LINE) |
|  | TYPE III MOVEABLE BARRICADE |
|  | CHANGEABLE MESSAGE BOARD |
|  | PROPOSED PERMANENT PAVEMENT |
|  | TEMPORARY SACRIFICIAL PAVEMENT |
|  | PAVEMENT REMOVAL |
|  | IMPACT ATTENUATOR 55 MPH (SAND BARRELS) |
|  | TEMPORARY TRAFFIC BARRIER
(CONTRACTOR FURNISH/RETAIN) |

* DISTANCE FROM BACK OF BARRIER TO WORKZONE:

STA. 505+50.97 TO STA. 507+48.90 - DISTANCE IS $\leq 6'$ BUT $\geq 2'$
MOVABLE BARRIERS WILL REQUIRE TIE-DOWN STRAPS.

STA. 507+48.90 TO STA. 507+78.90 - DISTANCE IS $\geq 2'$
MOVABLE BARRIERS WILL NOT REQUIRE ANCHORAGE.

3' TYPE A2 SHOULDER WIDENING
61.1 SY

PERMANENT OPTIONAL
PAVEMENT - DRIVEWAY
100.5 SY

RTE 5/40 OPTIONAL
PERMANENT PAVEMENT
780.1 SY

3' TYPE A2 SHOULDER WIDENING
60.4 SY

REMOVE PAVEMENT
1800.7 SY
(CALCULATED AS
CLASS A EXC.)

IMPACT ATTENUATOR 55 MPH

378' TEMP
TRAFFIC BARRIER

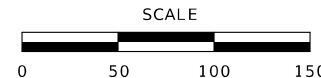
STA 505+50.97

-822.06' REMOVEABLE
MARKING TAPE

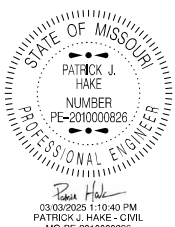
—IMPACT ATTENUATOR 55 MPH

ROUTE 40

- 837.12' REMOVEABLE
MARKING TAPE



TRAFFIC CONTROL
SHEET 7 OF 10



DATE PREPARED
3/3/2025

ROUTE	STATE
5 / 40	MO

DISTRICT	SHEET NO.
CD	22

COUNTY
HOWARD

JOB NO.
ICD0110

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)

STAGE 5 CONSTRUCTION

ROUTE 5

654.3' REMOVEABLE MARKING TAPE

IMPACT ATTENUATOR 55 MPH

RTE 5/40 OPTIONAL PERMANENT PAVEMENT 530.7 SY

STA 505+50.97

REMOVE TEMP. PAVEMENT 50 SY

378' RELOCATING TEMP TRAFFIC BARRIER

237' TEMP TR. BARRIER

404.28' WORK ZONE

STA 507+10.74

3' TYPE A2 SHOULDER WIDENING 132.2 SY

STA 509+55.30

REMOVE PAVEMENT 1,632.9 SY (CALC AS CLASS A EXC)

IMPACT ATTENUATOR 55 MPH

STA 511+84.04

714' REMOVEABLE MARKING TAPE

ROUTE 40

100' TAPER 5 CHANN.

441.14' 7 CHANN. AT 60' SPC.

296' 15 CHANN. AT 25' SPC.

135.58' 2 CHANN. AT 60' SPC.

245' BUFFER 4' CHANN. AT 60' SPC.

100' TAPER 5 CHANN.

SCALE

0 50 100 150

ROUTE 40 TRAFFIC CONTROL SHEET 8 OF 10

STAGE 5 CONSTRUCTION TRAFFIC CONTROL

WORKZONE

3' 12'

A2 SHOULDER

12' TRAVEL LANE

6" BUFFER

A2 SHOULDER

* DIST. VARIES

STAGE 5: REMOVE EXIST PAVEMENT ON RTE 5 EAST LEG FROM STA 505+50.97 TO STA 511+84.04.

REMOVE TEMP PAVEMENT ON RTE 5 EAST LEG FROM STA 505+64.83 TO STA 507+14.24.

CONSTRUCT THE PROPOSED ROUTE 5 NB LANE FROM STA 505+50.97 TO STA 509+55.30.

SEE TRAFFIC CONTROL SHEET 3 OF 10 FOR ADDITIONAL TRAFFIC CONTROL DETAILS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- CHANNELIZER (TRIM LINE)
- TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE BOARD
- PROPOSED PERMANENT PAVEMENT
- TEMPORARY SACRIFICIAL PAVEMENT
- PAVEMENT REMOVAL
- IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
- TEMPORARY TRAFFIC BARRIER (CONTRACTOR FURNISH/RETAIN)

* DISTANCE FROM BACK OF BARRIER TO WORKZONE:

STA. 505+50.97 TO STA. 507+10.74 • DISTANCE IS $\approx 6'$ BUT $\approx 2'$ MOVABLE BARRIERS WILL REQUIRE TIE-DOWN STRAPS.

STA. 507+10.74 TO STA. 509+55.34 • DISTANCE IS $\approx 2'$ MOVABLE BARRIERS WILL NOT REQUIRE ANCHORAGE.

STATE OF MISSOURI

PATRICK J. HAKE

NUMBER

PE-2010000826

PROFESSIONAL ENGINEER

DATE PREPARED

3/3/2025

ROUTE

5/40

STATE

MO

DISTRICT

CD

SHEET NO.

23

COUNTY

HOWARD

JOB NO.

JCD0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

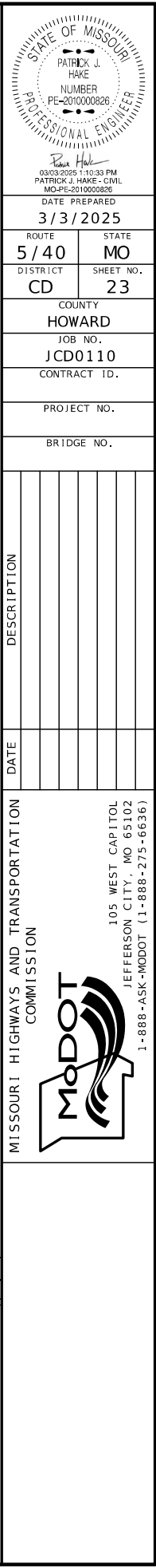
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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



STAGE 6 CONSTRUCTION

CONSTRUCTION STAGING

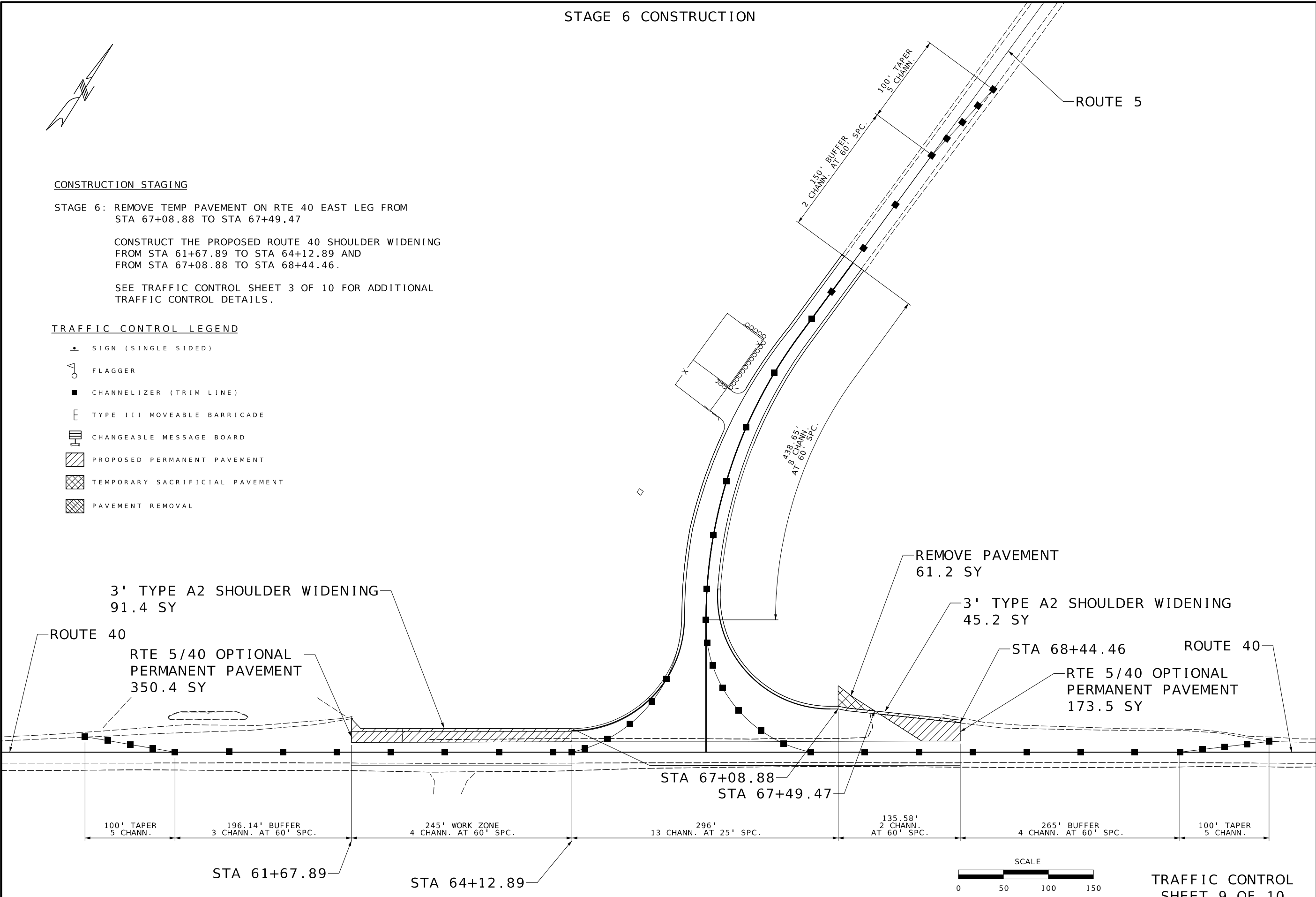
STAGE 6: REMOVE TEMP PAVEMENT ON RTE 40 EAST LEG FROM STA 67+08.88 TO STA 67+49.47

CONSTRUCT THE PROPOSED ROUTE 40 SHOULDER WIDENING FROM STA 61+67.89 TO STA 64+12.89 AND FROM STA 67+08.88 TO STA 68+44.46.

SEE TRAFFIC CONTROL SHEET 3 OF 10 FOR ADDITIONAL TRAFFIC CONTROL DETAILS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- CHANNELIZER (TRIM LINE)
- E TYPE III MOVEABLE BARRICADE
- CHANGEABLE MESSAGE BOARD
- PROPOSED PERMANENT PAVEMENT
- TEMPORARY SACRIFICIAL PAVEMENT
- PAVEMENT REMOVAL



STATE OF MISSOURI
PATRICK J. HAKE
NUMBER
PE-2010000826
PROFESSIONAL ENGINEER

09/03/2025 11:02:27 PM
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED
3/3/2025

ROUTE
5/40

DISTRICT
CD

STATE
MO

SHEET NO.
24

COUNTY
HOWARD

JOB NO.
JCD0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

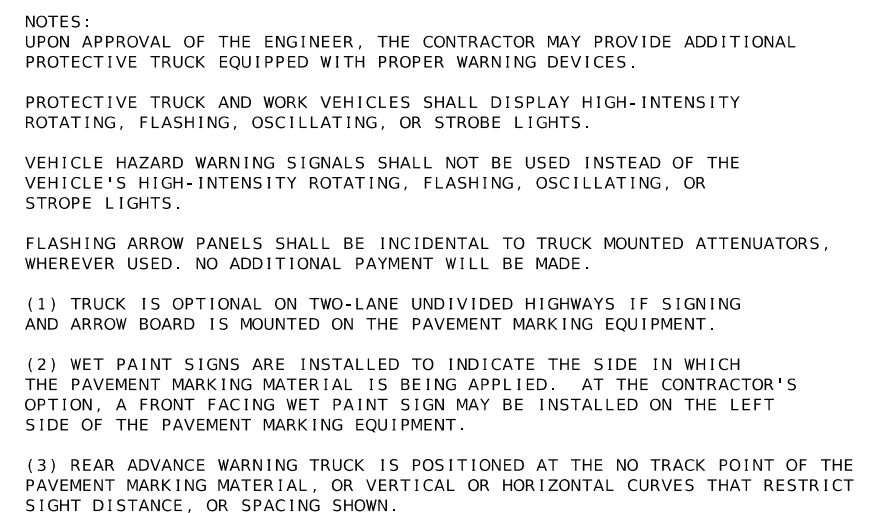
DESCRIPTION	DATE

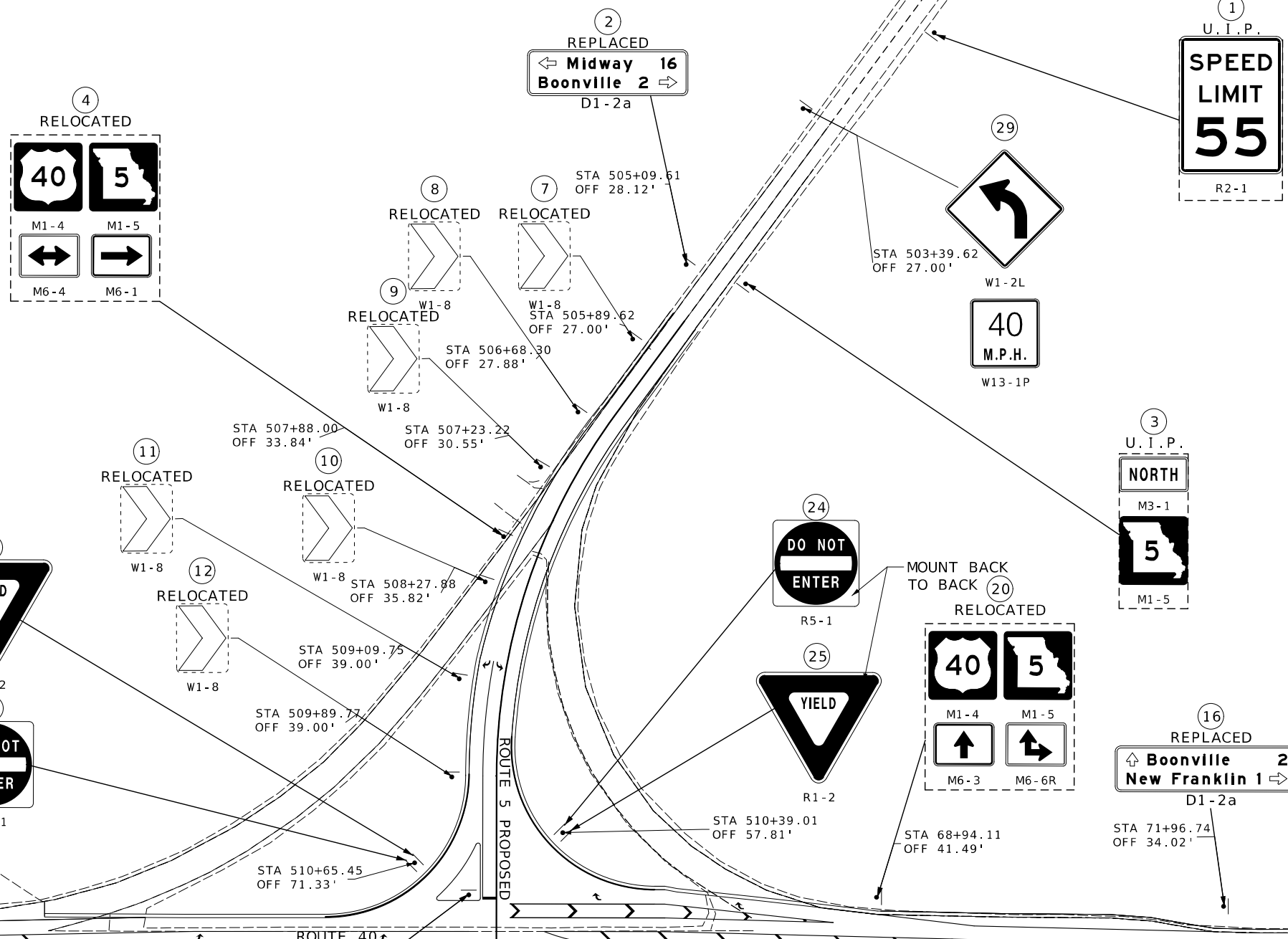
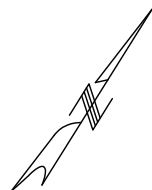
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET 9 OF 10

SCALE
0 50 100 150

[illegible]



17 U.I.P.
↑ MIDWAY 16
← NEW FRANKLIN 1
← FAYETTE 11
D1-3a

18 U.I.P.
M1-5 M1-4
M6-1 M6-3

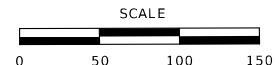
26 STOP
R1-1

27
GB-4

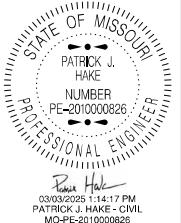
28
M1-4 M1-5
M6-4 M6-1

21 U.I.P.
EAST
M3-2
40
M1-4
LEWIS-CLARK TRAIL
M17-2

16 REPLACED
Boonville 2
New Franklin 1
D1-2a



SIGNING SHEET
FINAL SIGNING
SHEET 2 OF 5



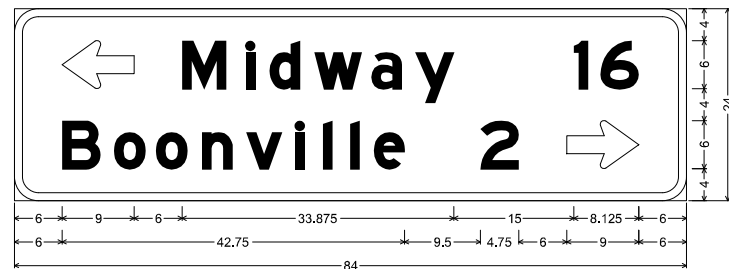
DATE PREPARED 3/3/2025	
ROUTE 5/40	STATE MO
DISTRICT CD	SHEET NO. 29
COUNTY HOWARD	
JOB NO. JCD0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

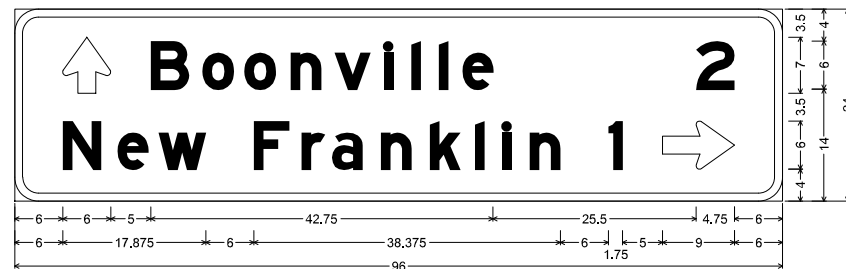
SIGN 2



D1-2a ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 9.000" X 6.000" 180; "Midway", E Mod; "16", E Mod; "Boonville", E Mod;
"2", E Mod; Standard Arrow Custom 9.000" X 6.000" 0;
Table of letter and object lefts

↳	M	l	d	w	a	y	l	6
6.000	21.000	28.875	31.875	37.500	44.625	50.125	69.875	73.250
B	o	o	n	v	l	l	e	2
6.000	12.375	17.625	23.500	29.000	35.125	38.500	44.875	58.250
								⇒ 69.000

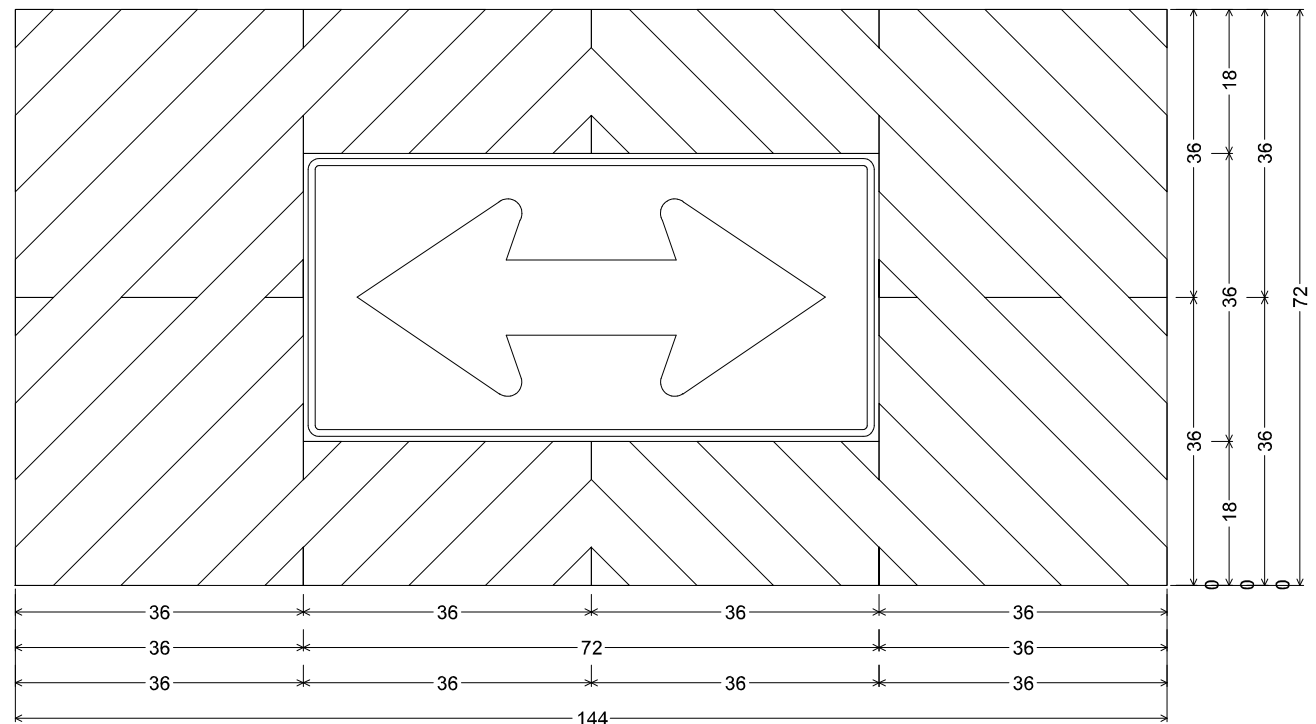
SIGN 16



D1-2a ST-STRUCTURAL;
3,000" Radius, 1,000" Border, White on, Green;
Standard Arrow Custom 7,000" X 6,000" 90'; "Boonville", E Mod; "2", E Mod; "New Franklin", E Mod; "1", E Mod;
Standard Arrow Custom 9,000" X 6,000" 0';
Table of letter and object lefts

↕	B	o	o	n	v	l	l	l	e	2		
6.000	17.000	23.500	28.750	34.500	40.000	46.125	49.625	53.000	56.000	85.250		
N	e	12	F	r	a	3	k	i	l	n	1	↗
6,000	12,875	18,000	29,875	35,875	39,625	45,750	51,875	57,500	61,000	64,375	74,250	81,000

SIGN 27



GB-4 ST-STRUCTURAL;
No border, Red on, White;
6 3/4" Red Stripes at 45 Degrees, 5 15/16" White Stripes; W1-7 Black on Yellow Type IX or XI Sheeting;
Table of letter and object lefts

			
0.000	36.000	72.000	108.000
			
0.000	36.000	108.000	
			
36.000	72.000		

SIGNING SHEET
SIGNING DETAIL
SHEET 3 OF 5



03/03/2025 1:14:11 PM
PATRICK J. HAKE - CIVIL
MO-PE-2010000826

DATE PREPARED

ROUTE	STATE
5 / 40	MO

DISTRICT	SHEET NO.
CD	30

COUNTY
HOWARD

JOB NO.
JCD0110

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)

[illegible]

[illegible]

SIGN SUMMARY							
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET			
	SHT NO.			FLAT SHEET SH	FLAT SHEET FLUORESCENT SHF*	STRUCTURAL ST	STRUCTURAL FLUORESCENT STF*
				ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.
				9035004A	9035069A	9035011A	9035071A
R1-2		2	60x60	50.00			
R5-1		2	30x30	12.50			
R1-1		1	36x36	9.00			
GB-4		1	144x72			72.00	
W1-2L		1	36x36		9.00		
W13-1P		1	24x24		4.00		
DEST (2)		1	84x24			14.00	
DEST (16)		1	96x24			16.00	
M1-5		1	24x24	4.00			
M1-4		1	24x24	4.00			
M6-1		1	21x15	2.19			
M6-3		1	21x15	2.19			
			TOTALS	84	13	102	

*ORANGE, YELLOW AND YELLOW-GREEN

