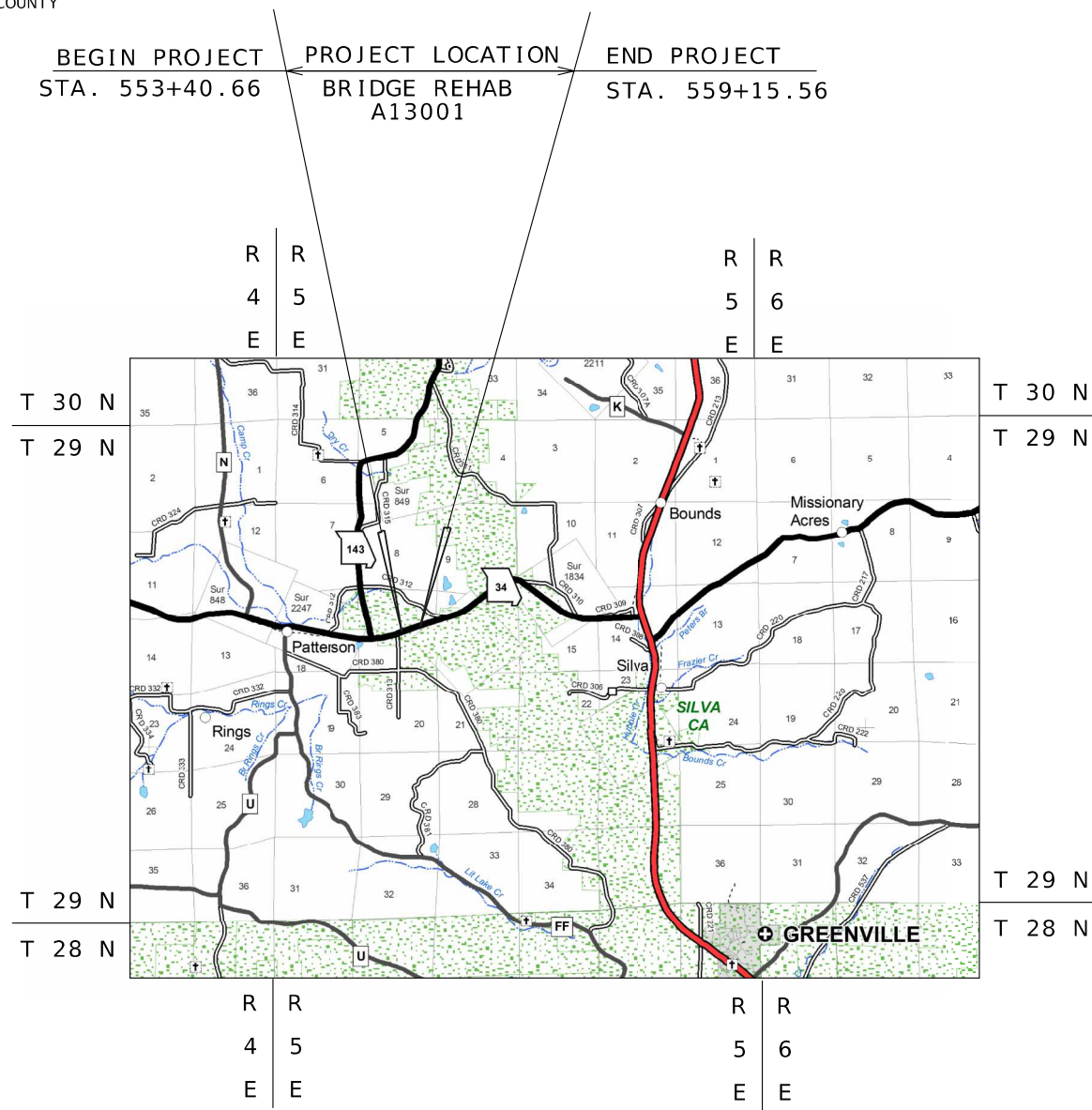
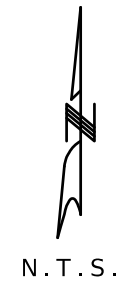


A.A.D.T. - 2024 = 3308
A.A.D.T. - 2044 = 5789
T = 18%
V = 55 M.P.H.

NO NEW RIGHT OF WAY

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

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




INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)----	2
QUANTITIES (QU) (3 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4
REFERENCE POINTS (RP)-----	5
COORDINATE POINTS (CP)-----	6
SPECIAL SHEET (SS)-----	7
TRAFFIC CONTROL (TC)-----	8-25
EROSION CONTROL (EC)-----	26
PAVEMENT MARKING (PM)-----	27-29
BRIDGE DRAWINGS (B)	
A13001-----	1-13

STATE OF MISSOURI
DONALD THOMAS
SAINKO
NUMBER
PE-28475
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED	
9/29/2025	
ROUTE	STATE
34	MO
DISTRICT	SHEET NO.
SE	1
COUNTY	
WAYNE	
JOB NO.	
J9P3816	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

LENGTH OF PROJECT

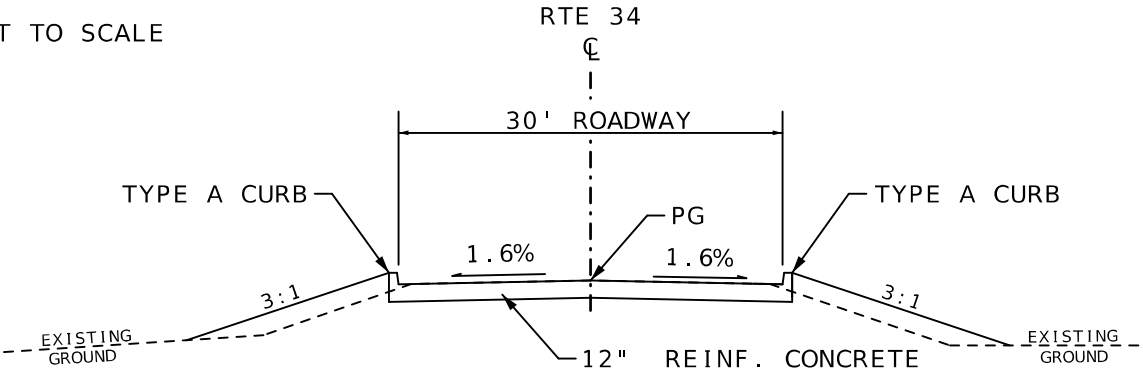
BEGINNING OF PROJECT	STA. 553+40.66
END OF PROJECT	STA. 559+15.56
APPARENT LENGTH	574.90 FEET
EQUATIONS AND EXCEPTIONS:	NONE

TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	574.90 FEET
STATE LENGTH	0.109 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.430 ACRES

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

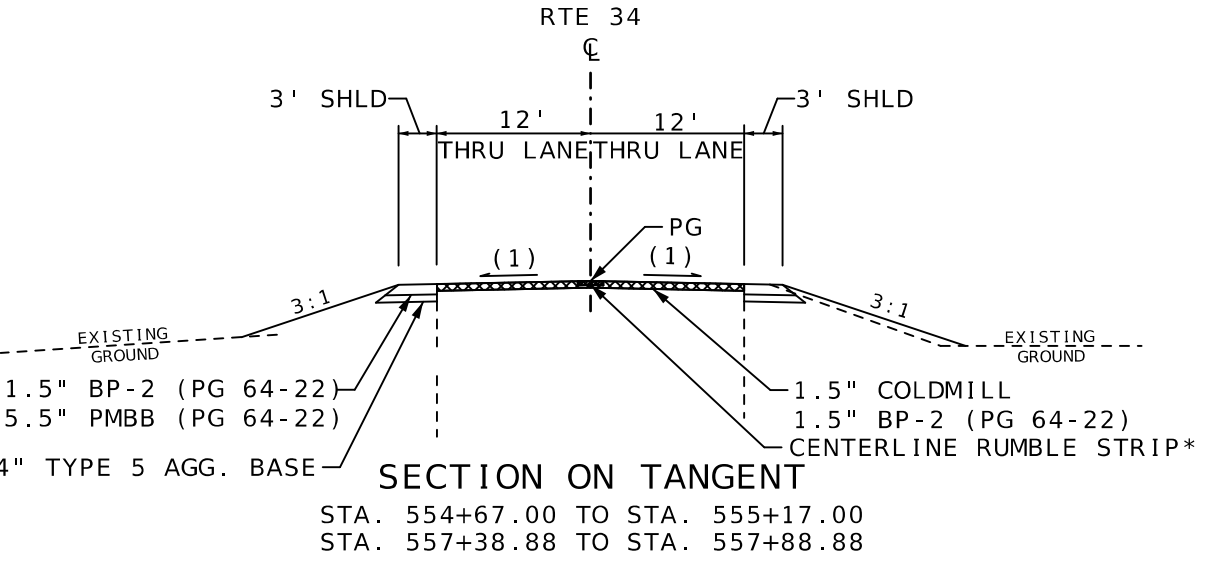


NOT TO SCALE



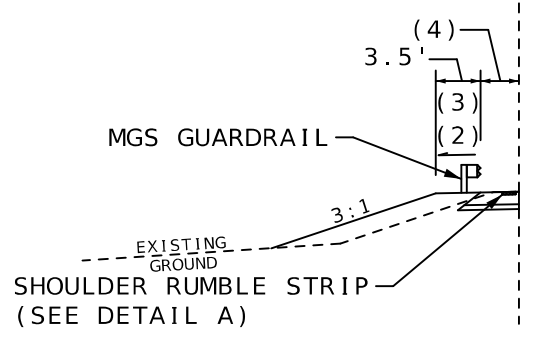
BRIDGE APPROACH SLAB (MAJOR)

STA. 555+17.00 TO STA. 555+37.00
STA. 557+18.88 TO STA. 557+38.88

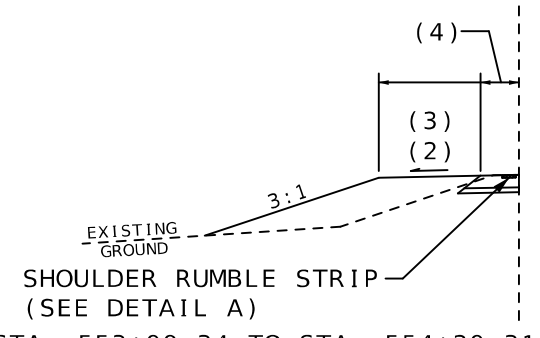


SECTION ON TANGENT

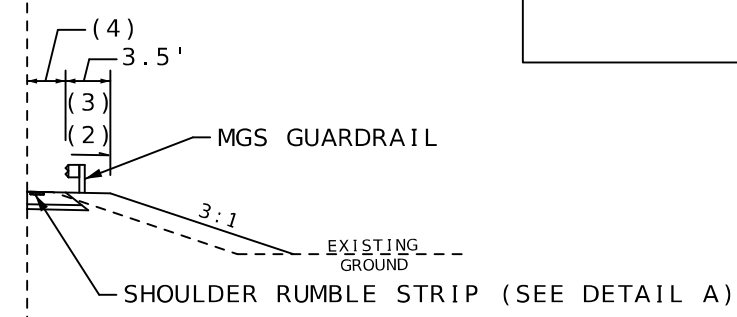
STA. 554+67.00 TO STA. 555+17.00
STA. 557+38.88 TO STA. 557+88.88



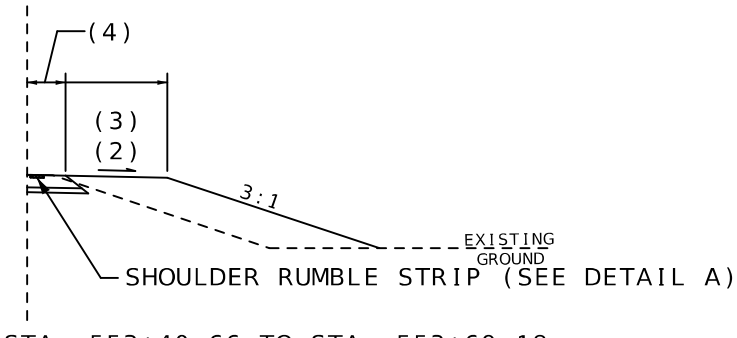
STA. 554+29.31 TO STA. 555+30.61
STA. 557+10.65 TO STA. 558+86.75



STA. 553+99.34 TO STA. 554+29.31
STA. 558+86.75 TO STA. 559+15.56



STA. 553+69.18 TO STA. 555+45.22
STA. 557+25.27 TO STA. 558+26.57

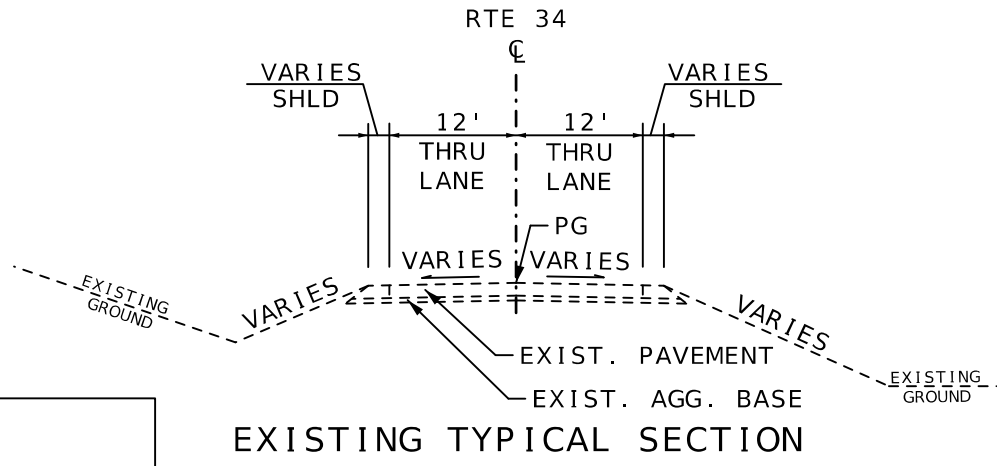
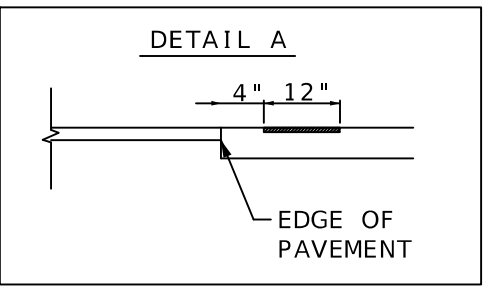


STA. 553+40.66 TO STA. 553+69.18
STA. 558+26.57 TO STA. 558+56.35

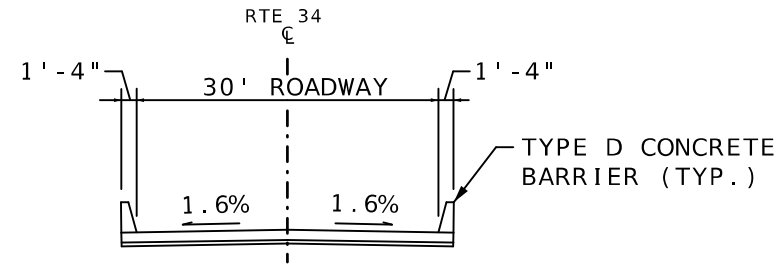
- (1) 2% CROSS SLOPE
STA. 554+67.00 TO STA. 554+97.00
TRANSITION FROM 2% TO 1.6%
STA. 554+97.00 TO STA. 555+17.00
TRANSITION FROM 1.6% TO 2%
STA. 557+38.88 TO STA. 557+58.88
2% CROSS SLOPE
STA. 557+58.88 TO STA. 557+88.88
- (2) 10:1 OR FLATTER
- (3) WIDENING FOR GUARDRAIL WIDTH VARIES
SEE STANDARD PLANS 606.81

- (4) TRANSITION FROM EXIST. TO 3' SHOULDER
STA. 553+99.34 TO STA. 554+27.95 LT
STA. 553+40.66 TO STA. 554+57.00 RT
3' SHOULDER
STA. 554+27.95 TO STA. 558+16.98 LT
STA. 554+57.00 TO STA. 558+21.07 RT
TRANSITION FROM 3' SHOULDER TO EXIST.
STA. 558+16.98 TO STA. 559+15.56 LT
STA. 558+21.07 TO STA. 558+56.35 RT

* RUMBLE STRIP WILL BE EXCLUDED FROM BRIDGE AND BRIDGE APPROACH SLAB



EXISTING TYPICAL SECTION - BRIDGE A1300
STA. 555+37.00 TO STA. 557+18.88



PROPOSED TYPICAL SECTION - BRIDGE A13001
STA. 555+37.00 TO STA. 557+18.88

TYPICAL SECTIONS
SHEET 1 OF 1

STATE OF MISSOURI

DONALD THOMAS SAKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 9/29/2025

ROUTE 34 STATE MO

DISTRICT SE SHEET NO. 2

COUNTY WAYNE

JOB NO. J9P3816

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)

GARVER, LLC.

7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY NO. 2008013090

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REMOVAL OF IMPROVEMENTS								
SHEET	ROUTE	STA.	STA.	LOCATION	DESCRIPTION	UNIT	AMOUNT	REMARKS
4	RTE 34	553+40.66	555+43.99	LT/RT	PAVEMENT	SY	300	
4	RTE 34	554+05.65	555+43.36	RT	GUARDRAIL	LF	138	
4	RTE 34	553+97.84	555+30.26	LT	GUARDRAIL	LF	133	
4	RTE 34	555+02.22		LT	OBJECT MARKER	EA	1	
4	RTE 34	555+13.21		RT	OBJECT MARKER	EA	1	
4	RTE 34	555+36.50		RT	CLARK CREEK SIGN	EA	1	
4	RTE 34	557+11.88	559+15.56	LT/RT	PAVEMENT	SY	286	
4	RTE 34	557+11.53	558+42.17	LT	GUARDRAIL	LF	131	
4	RTE 34	557+18.64		LT	CLARK CREEK SIGN	EA	1	
4	RTE 34	557+45.54		LT	OBJECT MARKER	EA	1	
4	RTE 34	557+56.44		RT	OBJECT MARKER	EA	1	
4	RTE 34	557+25.99	558+68.35	RT	GUARDRAIL	LF	143	
PROJECT TOTAL							LUMP SUM	

CONTRACTOR FURNISHED SURVEYING AND STAKING
LUMP SUM

MOBILIZATION
LUMP SUM

BITUMINOUS PAVEMENT												
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	NET LENGTH (LF)	AVERAGE WIDTH (LF)	APPROACH AREA (SF)	BP-2 (1.5") PG 64-22 (TONS)	PMBB (5.5") PG 64-22 (TONS)	4" TYPE 5 AGG BASE (SY)	TACK COAT (GAL)	REMARKS
4	RTE 34	553+40.66	555+23.99	RT	183.3	VAR.	792	7.1	26.1	87.9		EB FULL DEPTH SHOULDER
4	RTE 34	553+99.34	555+11.40	LT	112.1	VAR.	349	3.1	11.5	38.8		WB FULL DEPTH SHOULDER
4	RTE 34	557+31.88	559+15.56	LT	183.7	VAR.	731	6.5	24.1	81.1		WB FULL DEPTH SHOULDER
4	RTE 34	557+44.47	558+56.35	RT	111.9	VAR.	319	2.8	10.5	35.3		EB FULL DEPTH SHOULDER
4	RTE 34	554+67.00	555+22.60	LT/RT	55.6	24	1,200	10.7			13.3	ROADWAY APPROACH PAVEMENT
4	RTE 34	557+33.28	557+88.88	LT/RT	55.6	24	1,200	10.7			13.3	ROADWAY APPROACH PAVEMENT
PROJECT TOTALS								40.9	72.2	243.1	26.6	
USE								40.9	72.2	243	27	

NOTE: PAVEMENT APPLICATION RATE = 1.934 TONS PER CY

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (3 IN. THICK OR LESS)								
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	NET LENGTH (LF)	AVERAGE WIDTH (LF)	APPROACH AREA (SY)	REMARKS
4	RTE 34	554+67.00	555+22.60	LT/RT	55.6	24	134	1.5" MILL AND FILL
4	RTE 34	557+33.28	557+88.88	LT/RT	55.6	24	134	1.5" MILL AND FILL
PROJECT TOTAL							268	

MISC. SEEDING & MULCHING						
SHEET NO	ROUTE	BEGIN STA.	END STA.	LOCATION	COOL SEASON SEEDING AND MULCHING (AC)	REMARKS
26	RTE 34	553+40.66	555+45.28	RT	0.10	
26	RTE 34	553+99.34	555+30.01	LT	0.10	
26	RTE 34	557+11.88	559+15.56	LT	0.10	
26	RTE 34	557+25.87	558+56.35	RT	0.10	
PROJECT TOTAL					0.4	
USE					1 LUMP SUM	

NOTE: SEEDING ACRES FOR INFORMATION ONLY

MODIFIED LINEAR GRADING CLASS 2							
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	LENGTH (LF)	MODIFIED LINEAR GRADING CLASS 2 (STA)	REMARKS
4	RTE 34	553+40.66	555+17.00	☺	176	1.8	
4	RTE 34	555+37.00	555+69.47	☺	32	0.3	SPILL SLOPE
4	RTE 34	556+69.68	557+18.88	☺	49	0.5	SPILL SLOPE
4	RTE 34	557+38.88	559+15.56	☺	177	1.8	
PROJECT TOTAL						4.4	

GUARDRAIL								
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	MGS BRIDGE APPROACH TRANSITION (EA)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EA)	MGS GUARDRAIL (LF)	REMARKS
4	RTE 34	554+29.31	555+30.61	LT	1	1	12.5	
4	RTE 34	553+69.18	555+45.22	RT	1	1	87.5	
4	RTE 34	557+10.65	558+86.75	LT	1	1	87.5	
4	RTE 34	557+25.27	558+26.57	RT	1	1	12.5	
PROJECT TOTALS					4	4	200.0	
USE					4	4	200	

SUMMARY OF QUANTITIES
SHEET 1 OF 3

STATE OF MISSOURI

DONALD THOMAS SAKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 9/29/2025

ROUTE 34 STATE MO

DISTRICT SE SHEET NO. 3

COUNTY WAYNE

JOB NO. J9P3816

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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY NO. 2008013090

GARVER

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PERMANENT EROSION CONTROL										
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	TYPE 2 ROCK BLANKET		TYPE 1 ROCK DITCH LINER		PERM EROSION CONTROL GEOTEXTILE (SY)	REMARKS
					FURNISHING (CY)	PLACING (CY)	FURNISHING (CY)	PLACING (CY)		
4	RTE 34	555+10.01	555+13.01	LT			5	5	22	ROCK FLUME
4	RTE 34	555+23.99	555+26.99	RT			5	5	21	ROCK FLUME
4	RTE 34	555+37.00	555+69.47	LT/RT	126	126			189	
4	RTE 34	556+69.68	557+18.88	LT/RT	216	216			323	
4	RTE 34	557+28.88	557+31.88	LT			6	6	28	ROCK FLUME
4	RTE 34	557+42.87	557+45.87	RT			5	5	23	ROCK FLUME
PROJECT TOTALS					342	342	21	21	606	

TEMPORARY EROSION CONTROL								
SHEET	ROUTE	BEGIN STA.	END STA.	LOCATION	SILT FENCE (LF)	TYPE C BERM (LF)	SEDIMENT REMOVAL (CY)	REMARKS
26	RTE 34	553+39.37	555+44.77	RT	220	-	3	
26	RTE 34	553+97.34	555+28.93	LT	174	-	2	
26	RTE 34	555+28.93	555+74.64	LT/RT	-	135	2	
26	RTE 34	556+65.82	557+36.67	LT/RT	-	167	2	
26	RTE 34	557+10.07	559+15.56	LT	237	-	3	
26	RTE 34	557+36.67	558+58.35	RT	162	-	2	
PROJECT TOTALS					793	302	14	

TEMPORARY PAVEMENT MARKING								
ROUTE	BEGIN STA.	END STA.	LOCATION	4" WHITE (LF)	4" YELLOW (LF)	24" WHITE (LF)	REMOVAL (LF)	REMARKS
PHASE 1								
RTE 34	546+10.29	566+63.42	℄				513	REMOVE EXISTING IY CENTERLINE
RTE 34	546+10.29	551+10.29	℄		1000			NO PASSING ZONE
RTE 34	551+12.54		RT			12		STOP BAR
RTE 34	553+99.34	559+15.56	LT	517			182	OUTER EDGE LINE
RTE 34	553+09.63	559+35.95	LT/RT	630				EDGE LINE
RTE 34	561+42.70		LT			12		STOP BAR
RTE 34	561+63.42	566+63.42	℄		1000			NO PASSING ZONE
PHASE 2								
RTE 34	553+09.63	554+67.00	LT				159	WEST EDGELINE, BRIDGE EXCEPTION
RTE 34	557+88.88	559+35.95	RT				149	EAST EDGELINE, BRIDGE EXCEPTION
RTE 34	553+15.72	559+55.64	LT/RT	640				EDGE LINE
RTE 34	553+40.66	558+56.35	RT	516				OUTER EDGE LINE
RTE 34	553+40.66	558+56.35	RT				516	OUTER EDGE LINE
RTE 34	553+15.72	559+55.64	LT/RT				640	EDGE LINE
RTE 34	546+12.54	551+12.54	℄				1000	REMOVE NO PASSING ZONE
RTE 34	551+12.54		RT				12	REMOVE STOP BAR
RTE 34	561+42.70		LT				12	REMOVE STOP BAR
RTE 34	561+42.70	566+42.70	℄				1000	REMOVE NO PASSING ZONE
PROJECT TOTALS				2,303	2,000	24	4,183	

PERMANENT PAVEMENT MARKING							
SHEET NO	ROUTE	BEGIN STA.	END STA.	LOCATION	6" WHITE CLASS 2 PAVEMENT MARKING PAINT, 25-MIL TYPE L BEADS (LF)	4" YELLOW CLASS 2 PAVEMENT MARKING PAINT, 25-MIL TYPE L BEADS (LF)	REMARKS
28	RTE 34	553+40.66	559+15.56	LT	575		SOLID WHITE
27-29	RTE 34	546+10.29	566+63.42	℄		514	INTERMITTENT YELLOW
28	RTE 34	553+40.66	559+15.56	RT	575		SOLID WHITE
PROJECT TOTALS					1,150	514	

BITUMINOUS CENTERLINE RUMBLE STRIPS							
SHEET NO	ROUTE	BEGIN STA.	END STA.	LOCATION	NET LENGTH (LF)	CENTERLINE (STA)	REMARKS
4	RTE 34	554+67.00	555+17.00	℄	50.0	0.5	CENTERLINE
4	RTE 34	557+38.88	557+88.88	℄	50.0	0.5	
PROJECT TOTAL						1.0	

BITUMINOUS SHOULDER RUMBLE STRIPS							
SHEET NO	ROADWAY	BEGIN STA.	END STA.	LOCATION	NET LENGTH (LF)	(STA)	REMARKS
4	RTE 34	553+40.66	555+22.60	RT	181.9	1.8	WEST SIDE OF BRIDGE
4	RTE 34	553+99.34	555+11.40	LT	112.1	1.1	WEST SIDE OF BRIDGE
4	RTE 34	557+33.28	559+15.56	LT	182.3	1.8	EAST SIDE OF BRIDGE
4	RTE 34	557+44.47	558+56.35	RT	111.9	1.1	EAST SIDE OF BRIDGE
PROJECT TOTAL						5.8	



DATE PREPARED	
9/29/2025	
ROUTE	STATE
34	MO
DISTRICT	SHEET NO.
SE	3
COUNTY	
WAYNE	
JOB NO.	
J9P3816	
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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN		SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN		SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN		SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	EFFECTIVE: 07-01-2025				
WARNING SIGNS									GUIDE SIGNS									REGULATORY SIGNS									MISCELLANEOUS SIGNS											
WO1-1L	48X48	16.00							TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122008								6122008											
WO1-1R	48X48	16.00							TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122009								6122010											
WO1-2L	48X48	16.00							CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122012	2							6122012	2										
WO1-2R	48X48	16.00							CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122014								6122014											
WO1-3L	48X48	16.00							REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	2	16.00			26	END ROAD WORK	6122017								6122017											
WO1-3R	48X48	16.00							REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122019								6122019											
WO1-4L	48X48	16.00							REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122020	2							6122020	2										
WO1-4R	48X48	16.00	1	16.00				15	REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030	2							6122030	2										
WO1-4bL	48X48	16.00							DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	2	12.00			54	WORK ZONE (PLAQUE)	6122040								6122040											
WO1-4bR	48X48	16.00							DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6122041								6122041											
WO1-4cL	48X48	16.00							TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6123001								6123001											
WO1-4cR	48X48	16.00							TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012								6161012											
WO1-6	60X30	12.50							HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013								6161013											
WO1-6a	72X36	18.00							HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014								6161014											
WO1-7	60X30	12.50							DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161020								6161020											
WO1-7a	72X36	18.00							DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)										6161022							6161022												
WO1-8	18X24	3.00							CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161025	31*							6161025	31*										
WO1-8a	30X36	7.50							CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161026								6161026											
WO3-1	48X48	16.00							STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161030								6161030											
WO3-2	48X48	16.00							YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161033								6161033											
WO3-3	48X48	16.00	2	32.00				12	SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	4	48.00			4 & 25	SPEED LIMIT XX	6161040								6161040											
WO3-4	48X48	16.00							BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161047								6161047											
WO3-5	48X48	16.00							SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161055								6161055											
WO4-1L	48X48	16.00							MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161070								6161070											
WO4-1R	48X48	16.00							MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161095								6161095											
WO4-1aL	48X48	16.00							MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161096							6161096												
WO4-1aR	48X48	16.00							MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT																				
WO5-1	48X48	16.00	1	16.00				43	ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6161098A							6161098A												
WO5-3	48X48	16.00							ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE																				
WO5-5	48X48	16.00							NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6161099							6161099												
WO6-1	48X48	16.00							DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)																				
WO6-2	48X48	16.00							DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6162000A	1							6162000A	1										
WO6-3	48X48	16.00							TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6162002								6162002											
WO7-3a	30X24	5.00	1	5.00				43	NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6173600D							6173600D												
WO8-1	48X48	16.00							BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)																				
WO8-2	48X48	16.00							DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6173700B							6173700B												
WO8-3	48X48	16.00							PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)																				
WO8-4	48X48	16.00							SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED	6173706							6173706												
WO8-5	48X48	16.00							SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD,																				
WO8-6	48X48	16.00							TRUCK CROSSING									(ARROW LEFT) CROSS HERE																				
WO8-6c	48X48	16.00							TRUCK ENTRANCE	R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD,	6174000A																			



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
9/29/2025

ROUTE 34 STATE MO

DISTRICT SE SHEET NO. 4

COUNTY WAYNE

JOB NO. J9P3816

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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

PLAN AND PROFILE
SHEET 1 OF 1

PLAN AND PROFILE
SHEET 1 OF 1

PLAN AND PROFILE
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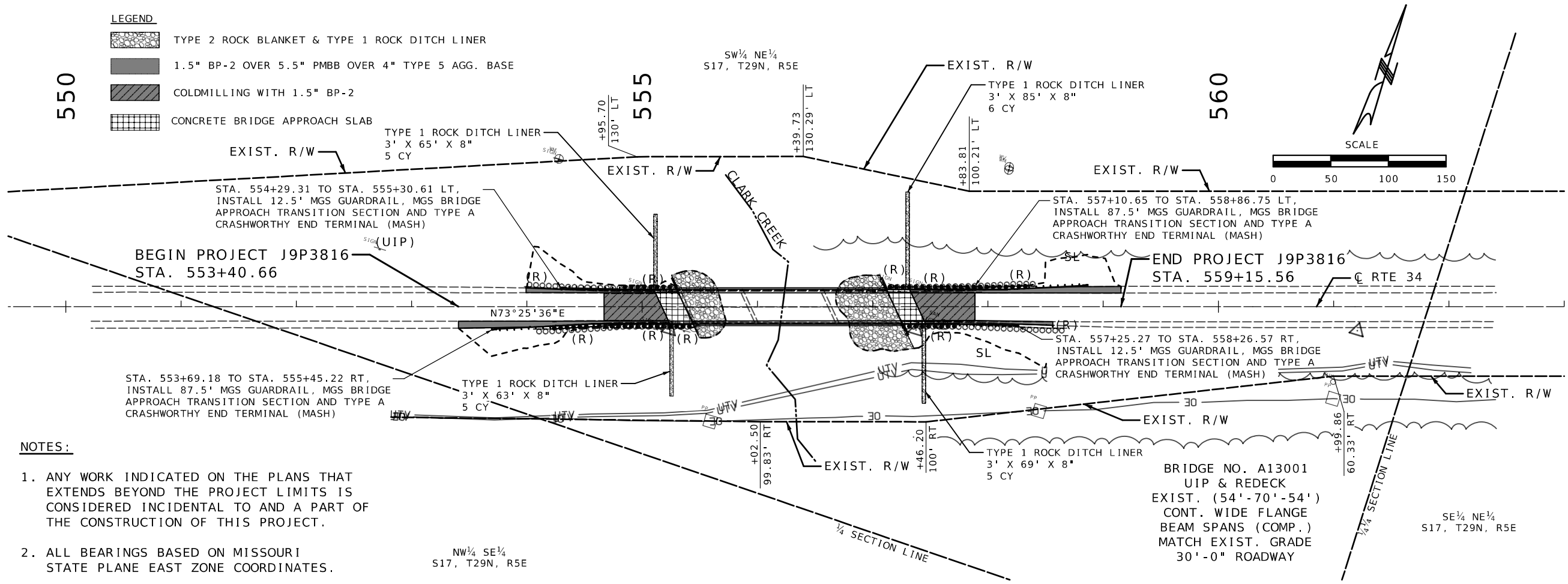
LEGEND

- TYPE 2 ROCK BLANKET & TYPE 1 ROCK DITCH LINER
- 1.5" BP-2 OVER 5.5" PMBB OVER 4" TYPE 5 AGG. BASE
- COLDMILLING WITH 1.5" BP-2
- CONCRETE BRIDGE APPROACH SLAB

550

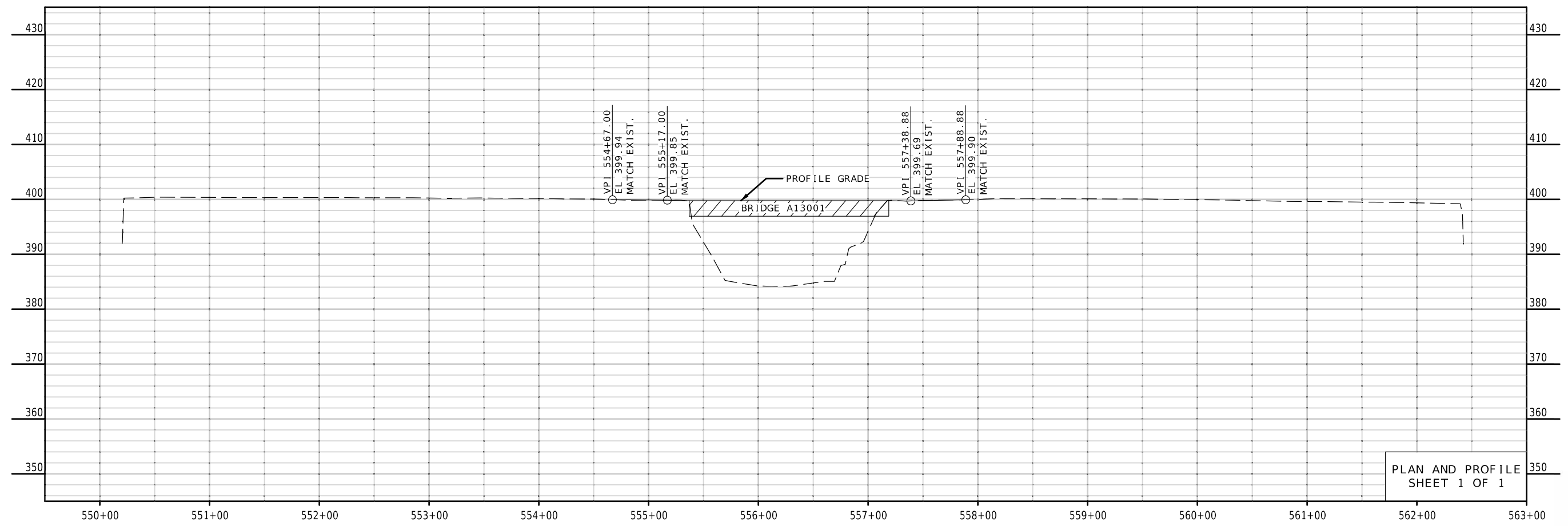
555

560



NOTES:

- ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
- ALL BEARINGS BASED ON MISSOURI STATE PLANE EAST ZONE COORDINATES.



PLAN AND PROFILE
SHEET 1 OF 1

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	MO SPC 83
HORIZONTAL DATUM	NAD83 2011
VERTICAL DATUM	MODOT GNSS NETWORK
GEOID MODEL	2018
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING
PROJECT PROJECTION FACTOR	1

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO SPC 83
CONTROL STATION	MOSL
DESIGNATION	MODOT SILVA CORS ARP
CORS_ID	MOSL
PID	DN5838
LATITUDE	371038.14513
LONGITUDE	902752.44434
NORTHING (M)	149124.332
EASTING (M)	253146.327
ZONE	EAST
PROJECT AVERAGE GRID FACTOR	1

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)				GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
-	547+86.06	ROUTE 34	25.40' RT	493016.0230	813141.5720	398.8140	CONTROL POINT 100	
4	555+23.68	ROUTE 34	19.88' RT	493231.7130	813846.9760	399.0450	CONTROL POINT 101	
4	557+37.59	ROUTE 34	20.30' RT	493292.3270	814052.1170	398.8940	CONTROL POINT 102	
4	561+20.47	ROUTE 34	20.89' RT	493400.9720	814419.2650	398.5560	CONTROL POINT 103	
4	555+45.31	ROUTE 34	17.43' RT	493240.2310	813867.0070	393.7348	BENCHMARK 2	
ALIGNMENTS								
4	553+40.66	ROUTE 34	-	493198.5623	813665.8924		BEGIN PROJECT	
4	559+15.56	ROUTE 34	-	493362.5476	814216.9032		END PROJECT	

STATE OF MISSOURI

DONALD THOMAS SAKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 9/29/2025

ROUTE 34

DISTRICT SE

STATE MO

SHEET NO. 6

COUNTY WAYNE

JOB NO. J9P3816

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)





GARVER, LLC. 7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153 PHONE: (816) 298-6465 CERTIFICATE OF AUTHORITY NO. 2008013090

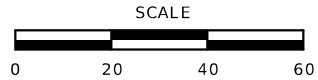
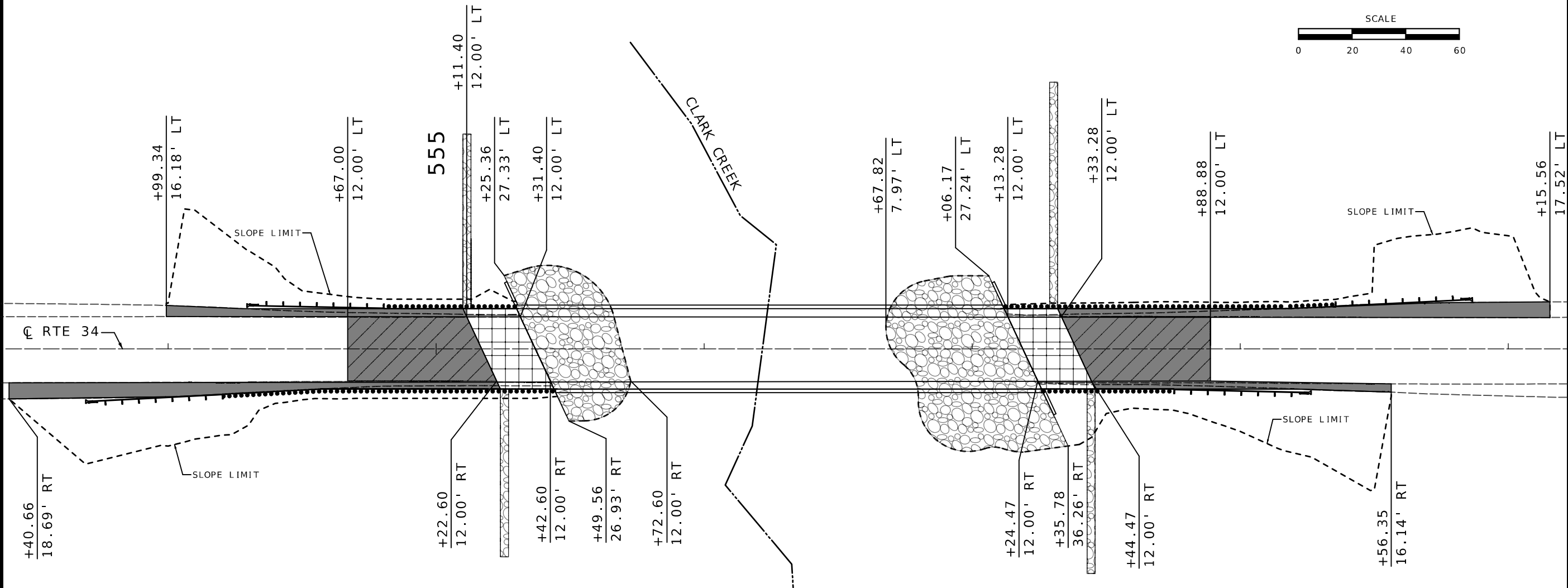
GARVER

COORDINATE POINT SHEET
SHEET 1 OF 1

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LEGEND

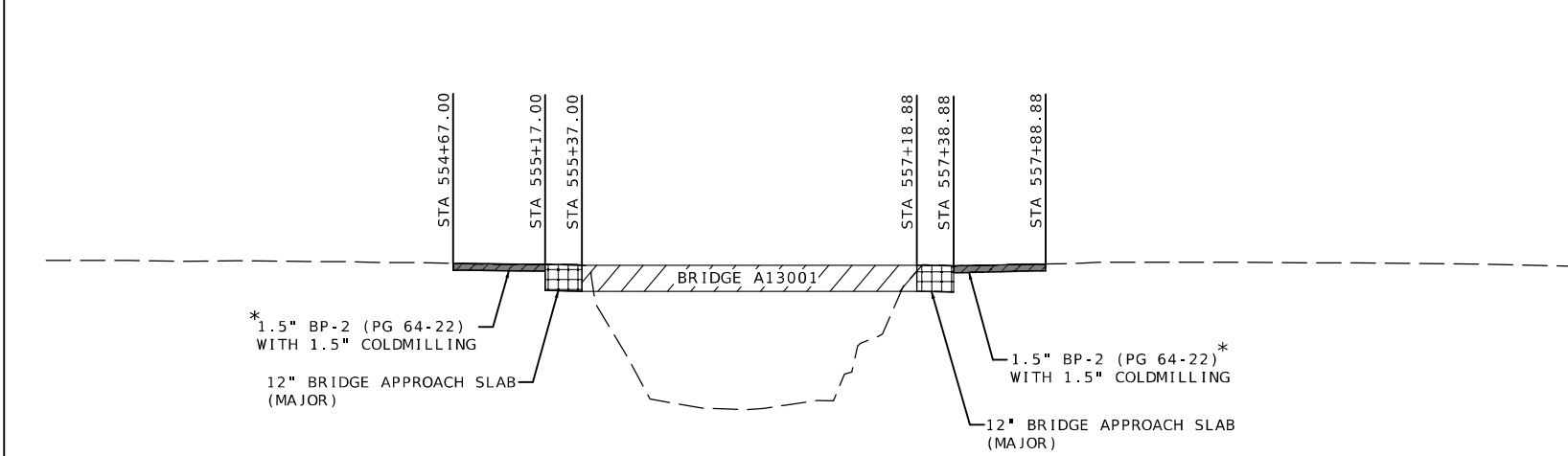
-  TYPE 2 ROCK BLANKET & TYPE 1 ROCK DITCH LINER
-  1.5" BP-2 OVER 5.5" PMBB OVER 4" TYPE 5 AGG. BASE
-  COLDMILLING WITH 1.5" BP-2
-  CONCRETE BRIDGE APPROACH SLAB



* REFER TO TYPICAL SECTIONS

PAVEMENT PROFILE

NOT TO SCALE



SPECIAL SHEET
PAVING DETAILS
SHEET 1 OF 1



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED

9/29/2025

ROUTE STATE

34 MO

DISTRICT SHEET NO.

SE 7

COUNTY

WAYNE

JOB NO.

J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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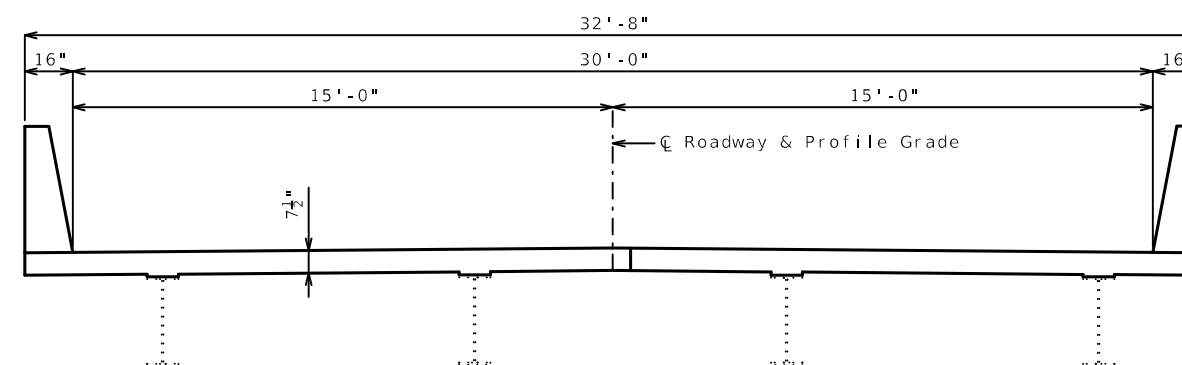
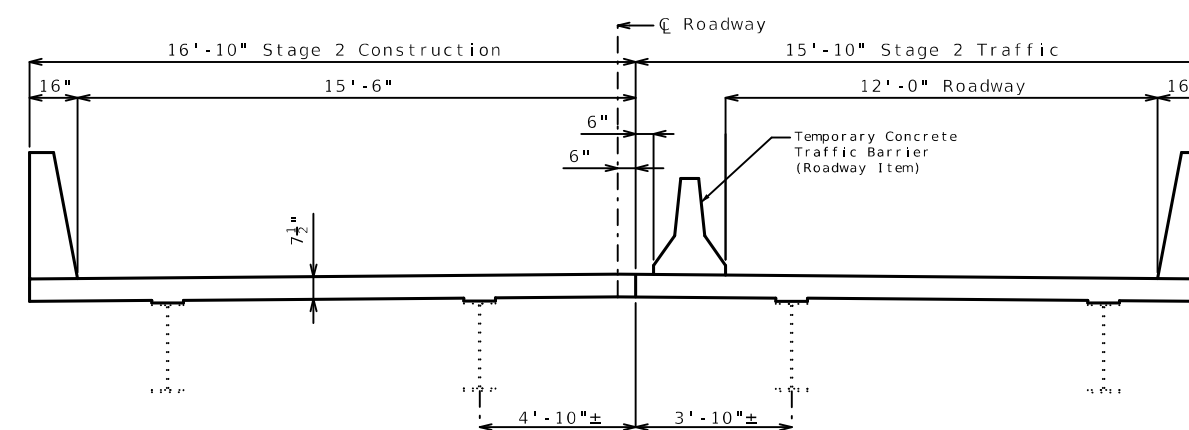
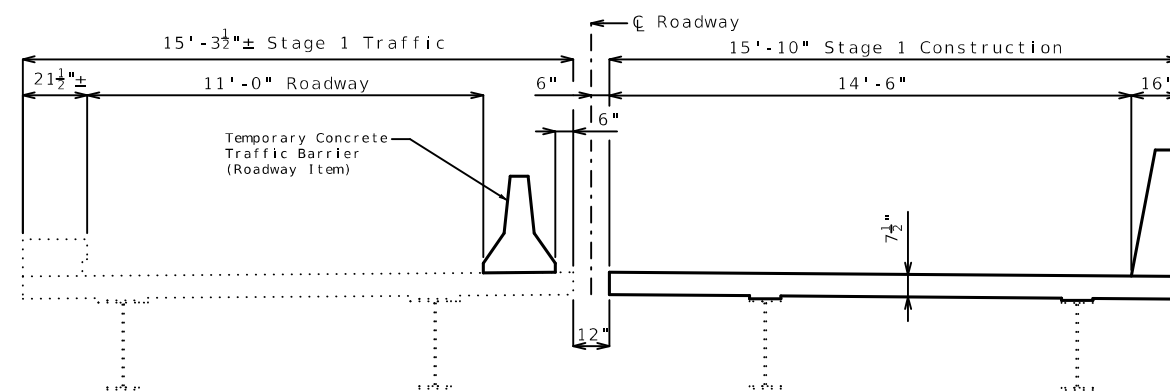
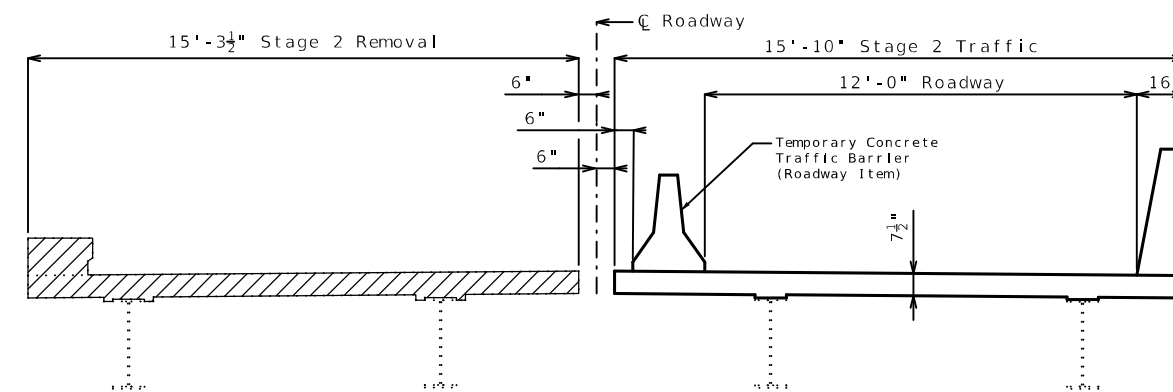
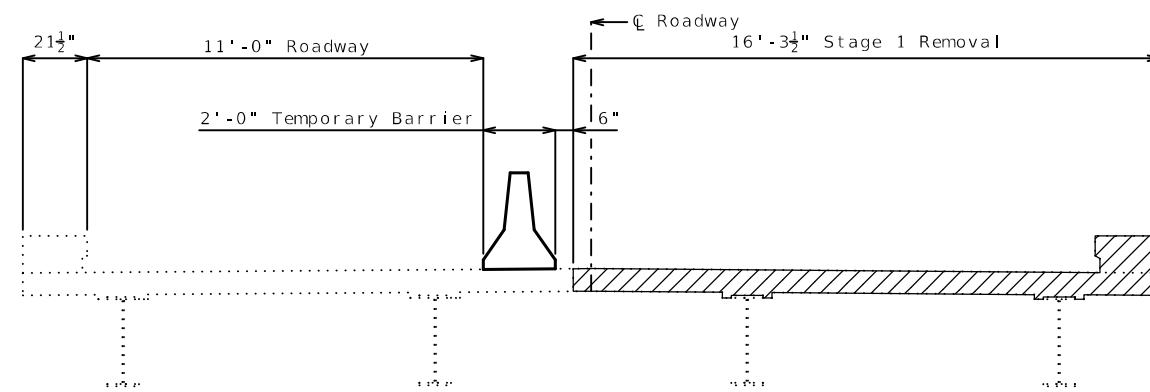
DATE

DATE

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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



CONSTRUCTION SEQUENCE



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SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
9/29/2025

ROUTE 34	STATE MO
-------------	-------------

DISTRICT	SHEET NO.
SE	8

COUNTY
WAYNE

JOB NO.
J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

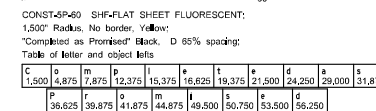
GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



TRAFFIC CONTROL
SHEET 1 OF 18

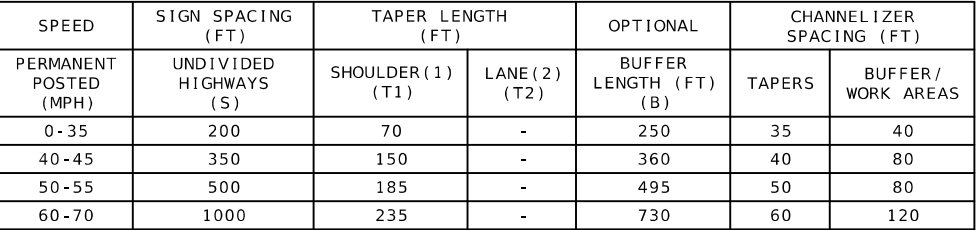


- BRIDGE**
OR
RAMP



- TRAFFIC CONTROL
SHEET 2 OF 18

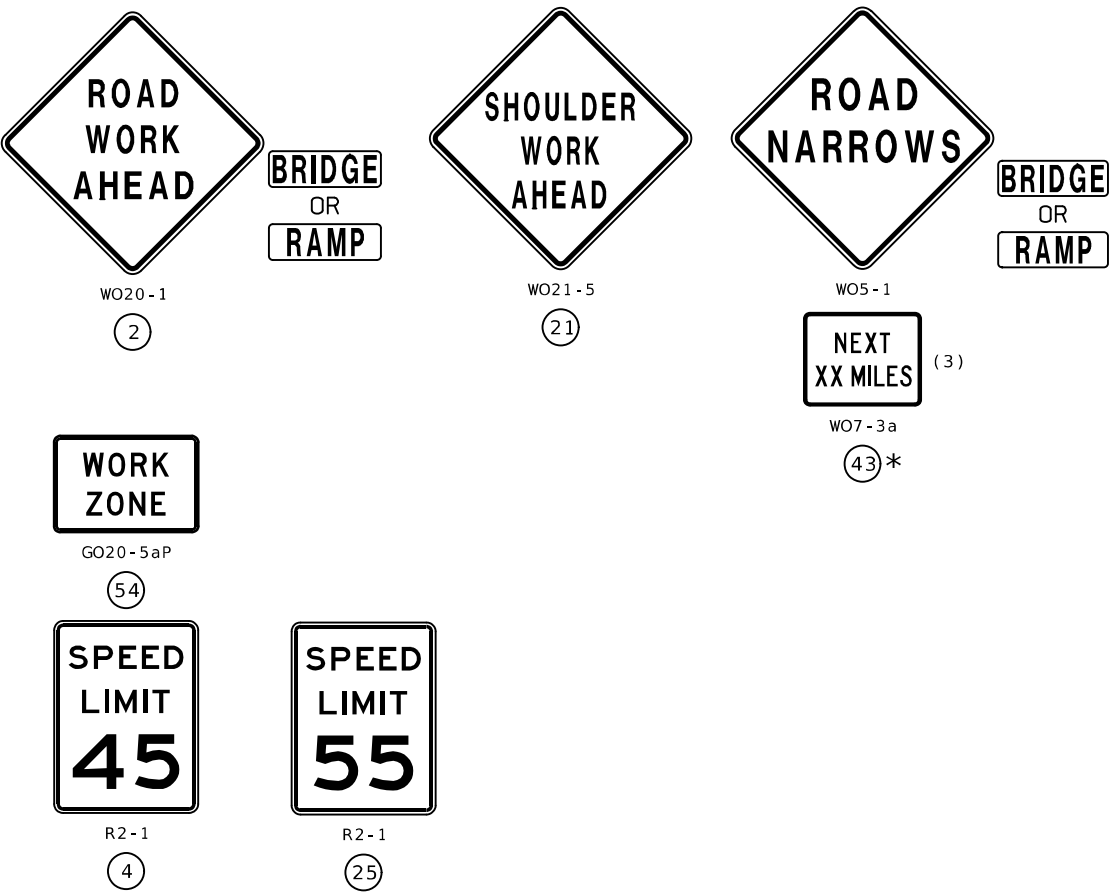




NOTES:

- (1) SHOULDER TAPER LENGTH BASEED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- (3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

*OMIT SIGN 43 FOR NO TRAVELWAY ENCROACHMENT



NOT TO SCALE

[illegible]



NOTES:

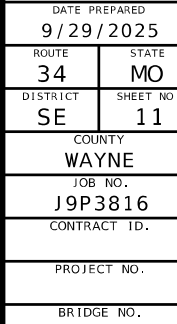
(1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.

(2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

NOTES :



NOT TO SCALE

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

**GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090**



TRAFFIC CONTROL
SHEET 4 OF 18



R10-6L

(47)



BRIDGE NO.



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NOT TO SCALE



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED

9/29/2025

ROUTE STATE

34 MO

DISTRICT SHEET NO.

SE 15

COUNTY

WAYNE

JOB NO.

J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

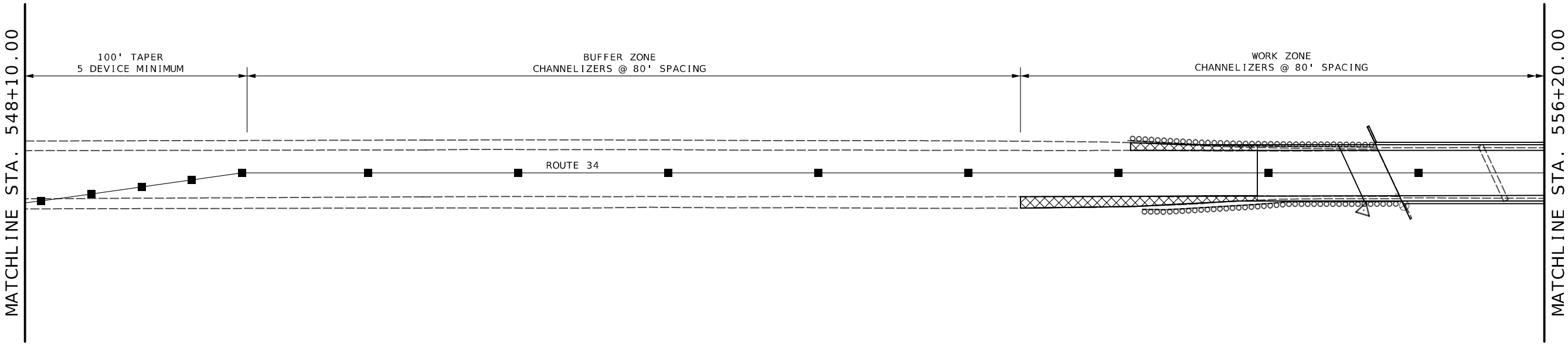
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

GARVER, LLC.
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PARKWAY, SUITE 200
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CERTIFICATE OF AUTHORITY
NO. 2008013090



TRAFFIC CONTROL STAGE 0
SHOULDER WORK WITH LANE CLOSURE USING FLAGGERS
CONSTRUCT FULL DEPTH SHOULDERS
(REVERSE TAPER AND LANE CLOSURE FOR WB SHOULDER WORK)



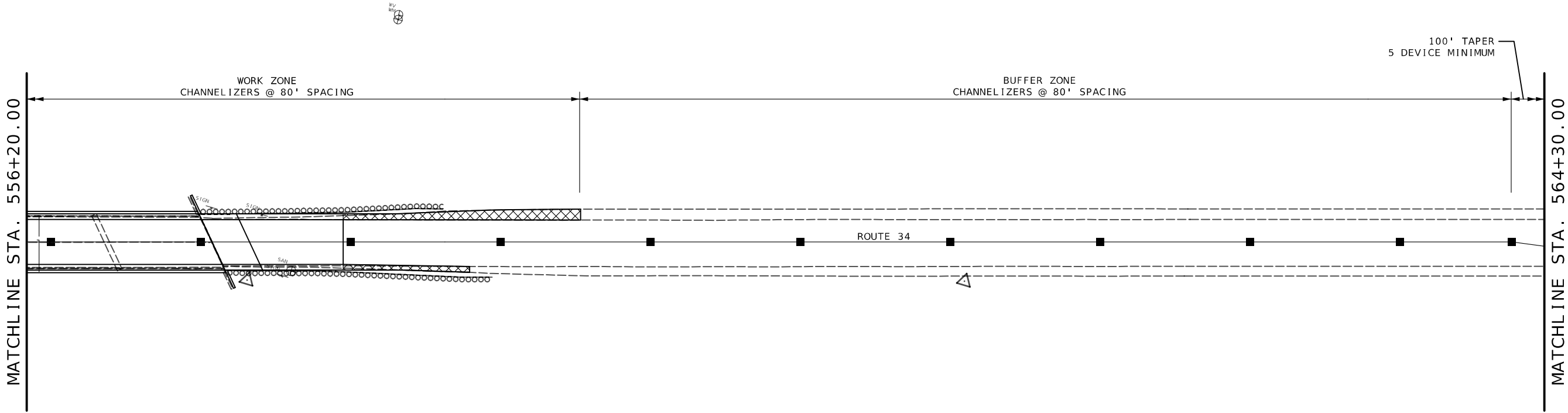
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▨ WORK AREA



NOT TO SCALE

TRAFFIC CONTROL STAGE 0
SHOULDER WORK WITH LANE CLOSURE USING FLAGGERS
CONSTRUCT FULL DEPTH SHOULDERS
(REVERSE TAPER AND LANE CLOSURE FOR WB SHOULDER WORK)



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▨ WORK AREA



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DATE PREPARED
9/29/2025

ROUTE 34 STATE MO

DISTRICT SE SHEET NO. 16

COUNTY WAYNE

JOB NO. J9P3816

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)

GARVER, LLC.
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PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



NOT TO SCALE



WO20-7a
(8)

WORK
ZONE

GO20-5aP
(54)

SPEED
LIMIT
45

R2-1
(4)



WO20-4
(7)



WO20-1
(2)

BRIDGE
OR
RAMP

SPEED
LIMIT
55

R2-1
(25)

WORK ZONE
NO PHONE
ZONE

CONST-8
(59) (3)

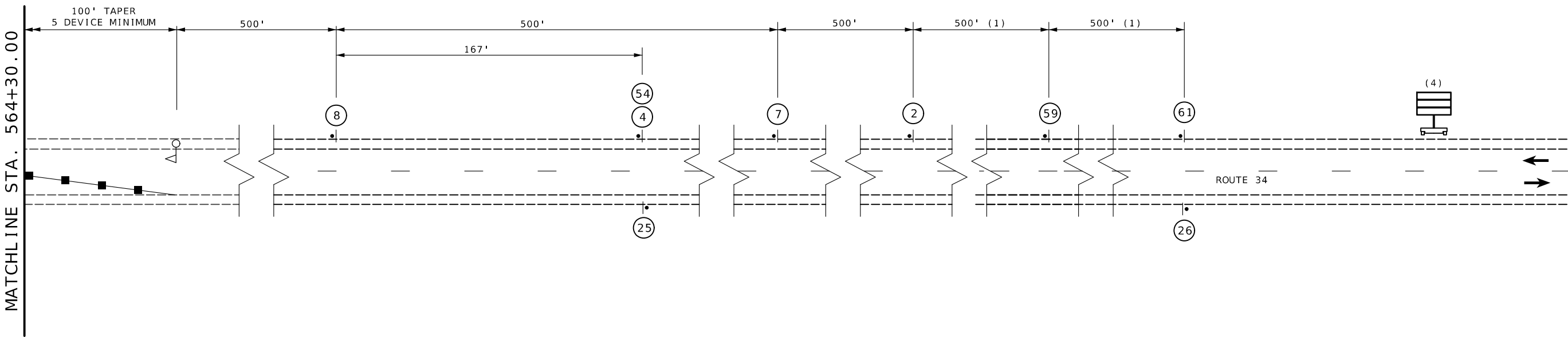
Bridge
Improvements
MoDOT Fall 2026

CONST-5
(61) (2)

END
ROAD WORK

GO20-2
(26)

TRAFFIC CONTROL STAGE 0
SHOULDER WORK WITH LANE CLOSURE USING FLAGGERS
CONSTRUCT FULL DEPTH SHOULDERS
(REVERSE TAPER AND LANE CLOSURE FOR WB SHOULDER WORK)



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- △ FLAGGER
- CHANGABLE MESSAGE BOARD

- (1) DISTANCES MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA. ADDITIONAL SIGNING MAY BE NEEDED.
- (2) CONST-5 SIGN 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 CONST-8.
- (3) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (4) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.



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DATE PREPARED
9/29/2025

ROUTE 34 STATE MO

DISTRICT SE SHEET NO. 17

COUNTY WAYNE

JOB NO. J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
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TRAFFIC CONTROL
SHEET 10 OF 18

BRIDGE NO.



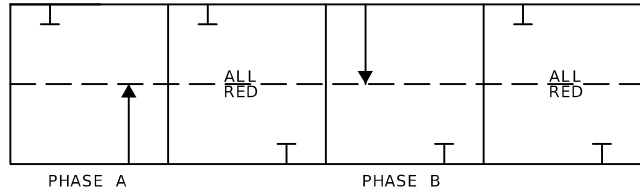
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO. 65102

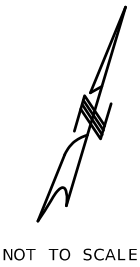
GARVER, LLC.
15509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-8465
CERTIFICATE OF AUTHORITY
NO. 2008013090



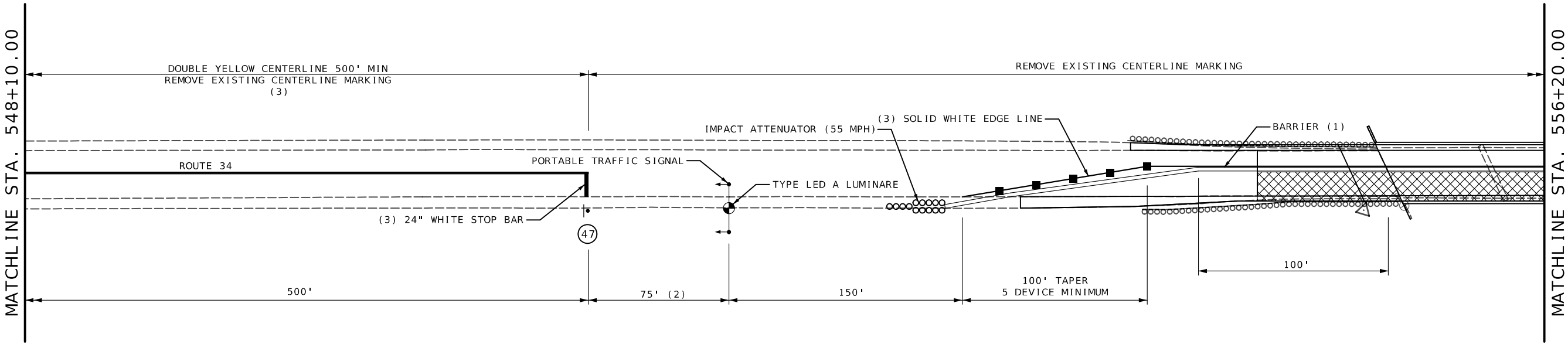
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PHASE A AND PHASE B SHALL ALWAYS BE FOLLOWED BY AN ALL RED PHASE OR INTERVAL.
SIGNALS SHALL REST IN ALL RED WHEN THERE ARE NO VEHICLE CALL.



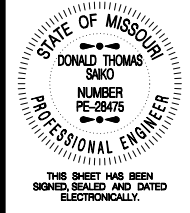
TRAFFIC CONTROL STAGE 1
CLOSE EB LANE AT BRIDGE
UTILIZE TEMPORARY SIGNAL AND SHIFT TRAFFIC ONTO WB LANE
REHAB EB LANE OF BRIDGE A1300
COLDMILL AND RESURFACE EB ROADWAY APPROACH PAVEMENT



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▨ WORK AREA

- (1) FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT. UPON DISCRETION OF THE SUPERVISOR OR ENGINEER, THE END TREATMENT MAY BE LOCATED WITHIN THE ROADWAY IF THERE IS NOT ENOUGH WIDTH TO GET EQUIPMENT OR VEHICLES INTO THE WORK AREA. BARRIER FLARE RATE IS 8:1.
- (2) 75 FEET RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40 FEET AND 180 FEET.
- (3) SIGNING AND PAVEMENT MARKING IDENTICAL ON BOTH APPROACHES.



DATE PREPARED 9/29/2025	
ROUTE 34	STATE MO
DISTRICT SE	SHEET NO. 19
COUNTY WAYNE	
JOB NO. J9P3816	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

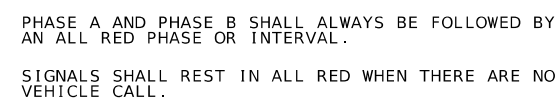
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





R10-6L

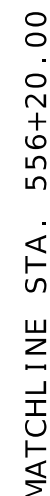
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WO1-4R

15

TRAFFIC CONTROL STAGE 1
CLOSE EB LANE AT BRIDGE
UTILIZE TEMPORARY SIGNAL AND SHIFT TRAFFIC ONTO WB LANE
REHAB EB LANE OF BRIDGE A1300
COLDMILL AND RESURFACE EB ROADWAY APPROACH PAVEMENT

NOT TO SCALE



MATCHLINE STA. 564+30.00

• SIGN (SINGLE SIDED)

■ CHANNELIZER

 WORK AREA

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TRAFFIC CONTROL
SHEET 13 OF 18



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED _____

DATE PREPARED
9/29/202

ROUTE	ST
-------	----

34	M
----	---

DISTRICT	SHEET
65	2

SE	2
----	---

COUNTY
WAYNE

WAYNE

JOB NO.
19P3816

CONTRACT ID

CONTRACT ID:

PROJECT NO.

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)

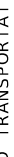
**GARVER, LLC.
77509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6455
CERTIFICATE OF AUTHORITY
NO. 2008013090**



STATE OF MISSOURI
DONALD THOMAS
SAKO
NUMBER
PE-28475
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
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ELECTRONICALLY.

PROJECT NO.
BRIDGE NO.



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
TEL: 573-751-3000 FAX: 573-751-3001
WWW.MODOT.MO.GOV



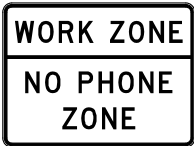
- (1) DISTANCES MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA. ADDITIONAL SIGNING MAY BE NEEDED.
- (2) CONST-5 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-8.
- (3) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
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TRAFFIC CONTROL
SHEET 14 OF 18

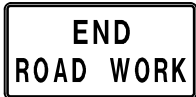
NOT TO SCALE



CONST-5
(61) (2)



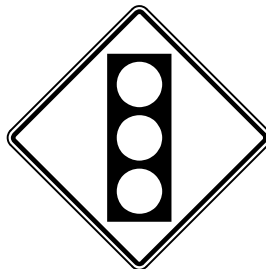
CONST-8
(59) (3)



GO20-2
(26)



WO20-4
(7)



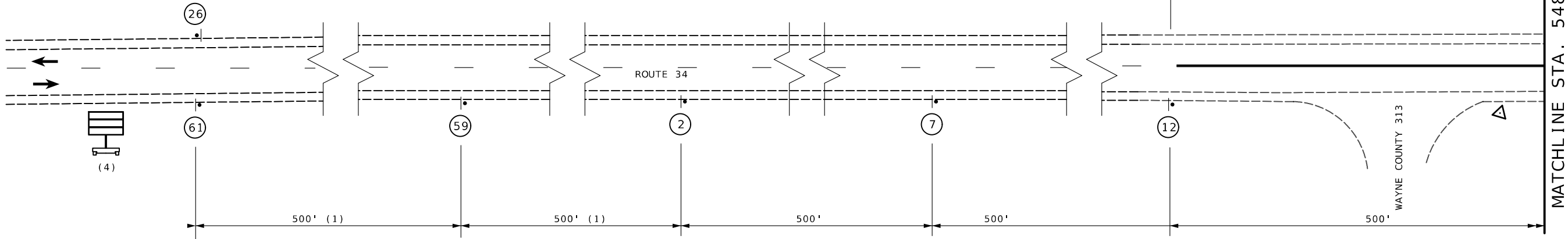
WO3-3
(12)



WO20-1
(2)



TRAFFIC CONTROL STAGE 2
CLOSE WB LANE AT BRIDGE
UTILIZE TEMPORARY SIGNAL AND SHIFT TRAFFIC ONTO EB LANE
REHAB WB LANE OF BRIDGE A1300
COLDMILL AND RESURFACE WB ROADWAY APPROACH PAVEMENT



TRAFFIC CONTROL LEGEND

• SIGN (SINGLE SIDED)

CHANGEABLE MESSAGE BOARD

- (1) DISTANCES MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
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THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED

9/29/2025

ROUTE STATE

34 MO

DISTRICT SHEET NO.

SE 22

COUNTY

WAYNE

JOB NO.

J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

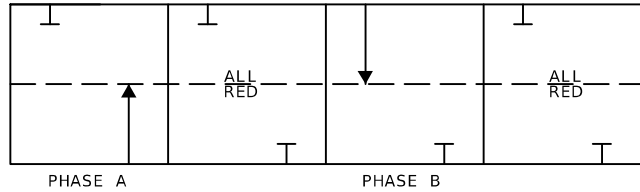
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

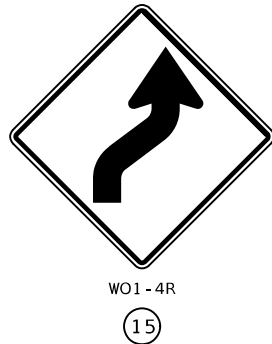


TRAFFIC CONTROL
SHEET 15 OF 18



PHASE A AND PHASE B SHALL ALWAYS BE FOLLOWED BY AN ALL RED PHASE OR INTERVAL.

SIGNALS SHALL REST IN ALL RED WHEN THERE ARE NO VEHICLE CALL.



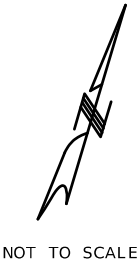
TRAFFIC CONTROL STAGE 2

CLOSE WB LANE AT BRIDGE

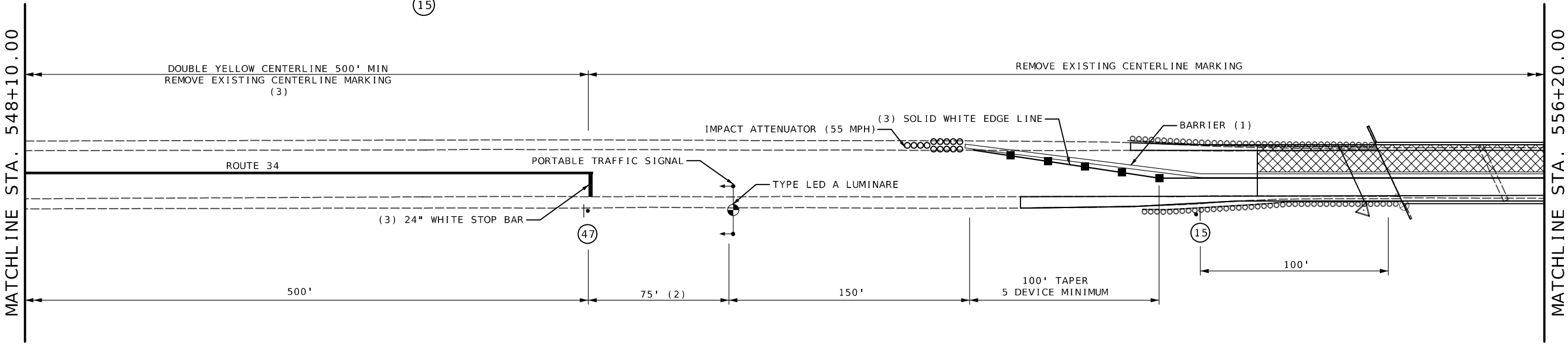
UTILIZE TEMPORARY SIGNAL AND SHIFT TRAFFIC ONTO EB LANE

REHAB WB LANE OF BRIDGE A1300

COLDMILL AND RESURFACE WB ROADWAY APPROACH PAVEMENT



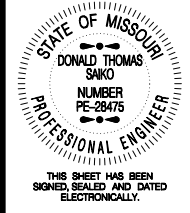
NOT TO SCALE



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ▨ WORK AREA

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DATE PREPARED 9/29/2025	
ROUTE 34	STATE MO
DISTRICT SE	SHEET NO. 23
COUNTY WAYNE	
JOB NO. J9P3816	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

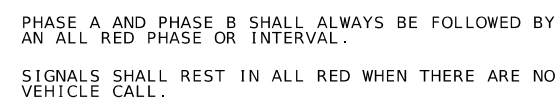
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





47

TRAFFIC CONTROL STAGE 2

CLOSE WB LANE AT BRIDGE
UTILIZE TEMPORARY SIGNAL AND SHIFT TRAFFIC ONTO EB LANE
REHAB WB LANE OF BRIDGE A1300
COLDMILL AND RESURFACE WB ROADWAY APPROACH PAVEMENT

NOT TO SCALE



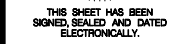
- SIGN (SINGLE SIDED)

- CHANNELIZER

-
- WORK AREA

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TRAFFIC CONTROL
SHEET 17 OF 18



DATE PREPARED

9/29/2025

ROUTE	STATE
34	MO

DISTRICT SE	SHEET NO. 24
----------------	-----------------

COUNTY
WAYNE

J9P3816

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)

GARVER, LLC.
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PARKWAY, SUITE 200
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CERTIFICATE OF AUTHORITY
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STATE OF MISSOURI


DONALD THOMAS
SAITO

NUMBER
PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

COUNTY
WAYNE
JOB NO.
J9P3816
CONTRACT ID.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

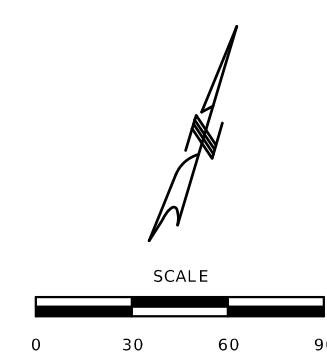
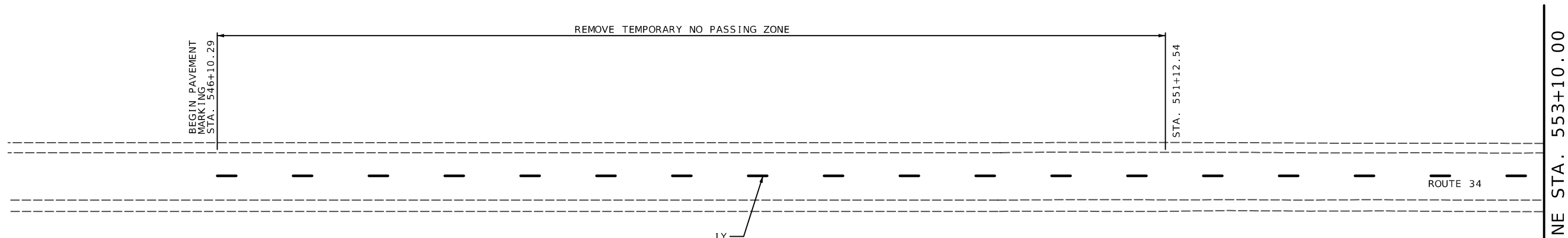
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
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TRAFFIC CONTROL
SHEET 18 OF 18



IY - 4" INTERMITTENT YELLOW

PAVEMENT MARKING
SHEET 1 OF 3

STATE OF MISSOURI

DONALD THOMAS

SAKO

NUMBER

PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
9/29/2025

ROUTE
34

DISTRICT
SE

STATE
MO

SHEET NO.
27

COUNTY
WAYNE

JOB NO.
J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

Garver logo

Garver logo

MATCHLINE STA. 553+10.00

STA. 553+40.66

12'

12'

BRIDGE A13001

IY

SW

SW

CLARK CREEK

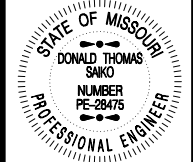
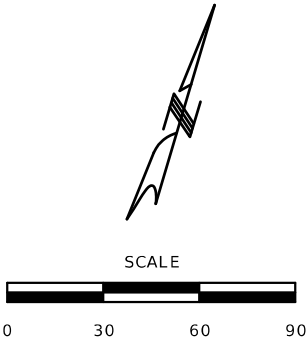
STA. 559+15.56

ROUTE 34

MATCHLINE STA. 561+20.00

IY - 4" INTERMITTENT YELLOW
SW - 6" SOLID WHITE

PAVEMENT MARKING
SHEET 2 OF 3



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DATE PREPARED
9/29/2025

ROUTE 34	STATE MO
DISTRICT SE	SHEET NO. 28

COUNTY
WAYNE

JOB NO.
J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

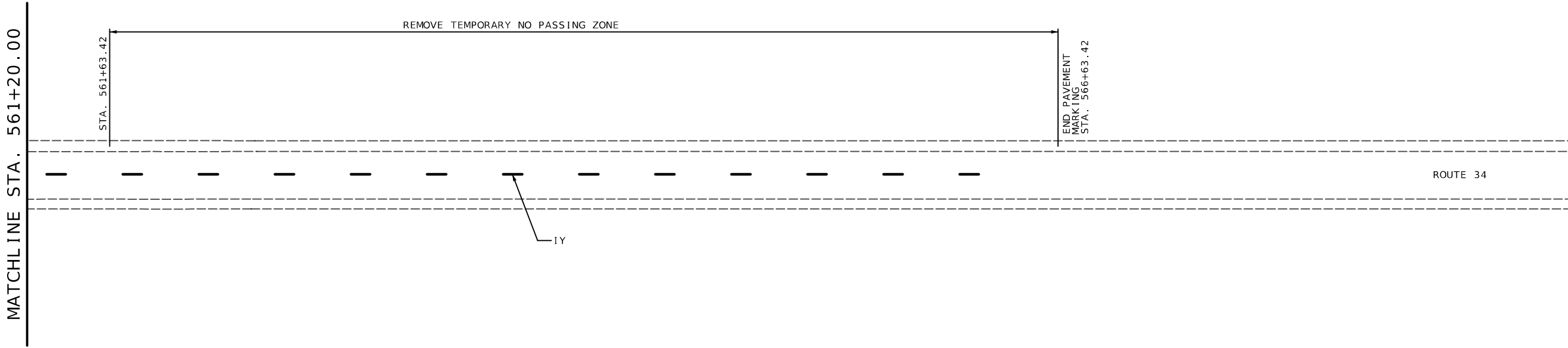
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





IY - 4" INTERMITTENT YELLOW

PAVEMENT MARKING
SHEET 3 OF 3

STATE OF MISSOURI

DONALD THOMAS SAKO

NUMBER PE-28475

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
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ELECTRONICALLY.

DATE PREPARED
9/29/2025

ROUTE
34

DISTRICT
SE

STATE
MO

SHEET NO.
29

COUNTY
WAYNE

JOB NO.
J9P3816


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)

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



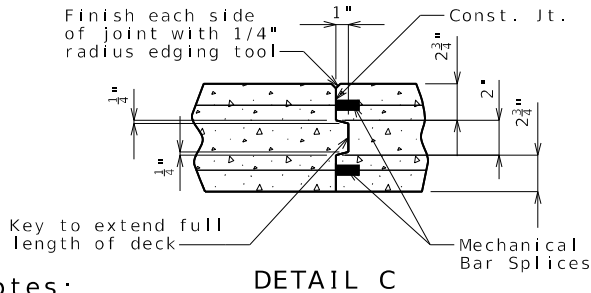
Table Showing
S2 Bar Lengths

Int. Bent No. 2		Int. Bent No. 3	
Span 1	Span 2	Span 2	Span 3
26'-0"	23'-3"	23'-3"	26'-0"

Required Lap Length
For Bar Splices **

Bar Size	Splice Length
4	2'-7"
5	3'-3"
6	3'-10"
7	4'-11"

** Unless otherwise shown.



General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Seismic Performance Category A

Design Loading:

H20-44 (1961) (Existing)
HS20-44 (New Construction)
20 lb/sf Future Wearing Surface
Earth - 120 lb/cf, Equivalent Fluid Pressure 45 lb/cf
Fatigue Stress - Case III

Design Unit Stresses:

Class B-1 Concrete (Barrier) $f'c = 4,000$ psi
Class B-2 Concrete (End Bents & Superstructure, except Barrier) $f'c = 4,000$ psi
Reinforcing Steel (ASTM A615 Grade 60) $f_y = 60,000$ psi

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

Miscellaneous:

Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for plain bars and 30 diameters for deformed bars, unless otherwise noted.

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

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

The area exposed by the removal of concrete and not covered with new concrete shall be coated with an approved qualified special mortar in accordance with Sec 704.

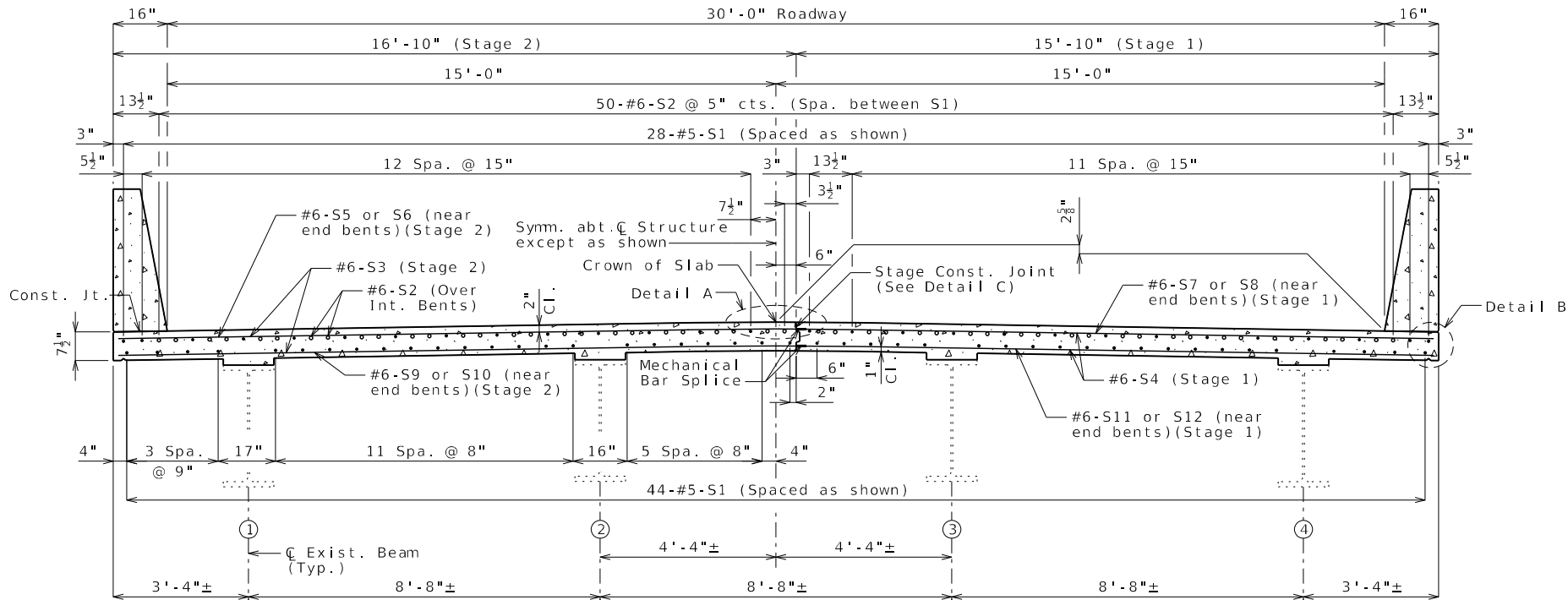
Rubblized concrete from the existing bridge deck that qualifies as clean fill may be placed on spill slopes at end bents above ordinary high water line (Roadway item).

For adjusted beam deflection due to the weight of the new deck and barriers, see Bridge Electronic Deliverables.

Traffic Handling:

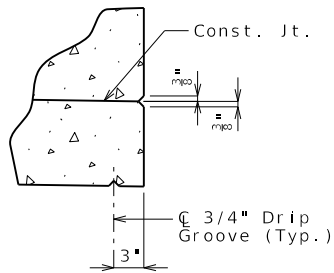
Traffic to be maintained on structure during construction. See roadway plans for traffic control and Sheet No. 3 for staged construction details.

U.I.P. AND REDECK EXISTING (54'- 70'- 54') CONTINUOUS COMPOSITE WIDE FLANGE BEAM SPANS
(SKEW: 25° R.A.)

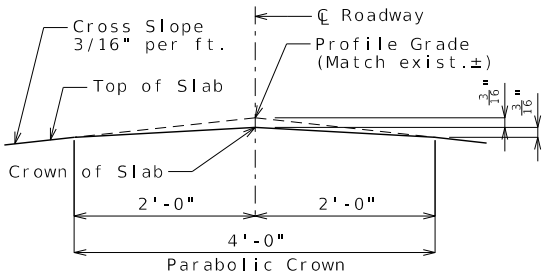


TYPICAL SECTION THRU SLAB

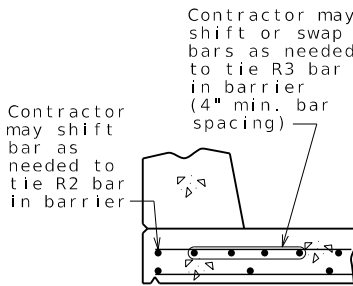
(For transverse reinforcement spacing, see Plan of Slab Showing Reinforcement on Sheet No. 8.)



DETAIL B



DETAIL A



OPTIONAL SHIFTING
TOP BARS AT BARRIER

Estimated Quantities

Item	Total
Class 1 Excavation	cu. yard 45
Temporary Shoring	lump sum 1
Removal of Existing Bridge Deck	sq. foot 5701
Bridge Approach Slab (Major)	sq. yard 139
Slab on Steel	sq. yard 661
Type D Barrier	linear foot 363
Mechanical Bar Splice	each 577
Slab Drain	each 28
Non-Destructive Testing	linear foot 48
Vertical Drain at End Bents	each 2

Non-destructive testing to be performed on top flange cover plates of all beams.

Estimated Quantities for Slab on Steel

Item	Total
Class B-2 Concrete	cu. yard 157
Reinforcing Steel (Epoxy Coated)	pound 50,680

The table of Estimated Quantities for Slab on Steel represents the quantities used by the State in preparing the cost estimate for concrete slabs. The area of the concrete slab will be measured to the nearest square yard longitudinally from end of slab to end of slab and transversely from out to out of bridge slab (or with the horizontal dimensions as shown on the plan of slab). Payment for stay-in-place corrugated steel forms, conventional forms, all concrete and epoxy coated reinforcing steel will be considered completely covered by the contract unit price for the slab. Variations may be encountered in the estimated quantities but the variations cannot be used for an adjustment in the contract unit price.

Method of forming the slab shall be in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness Class SC 4 and a finish Type I, II or III.

Slab shall be cast-in-place with conventional forming or stay-in-place corrugated steel forms. Precast prestressed panels will not be permitted.

For Optional Stay-In-Place Form Details, see Sheet No. 2.

REPAIRS TO BRIDGE:
ROUTE 34 OVER CLARK CREEK

ROUTE 34 FROM RTE 143 TO ROUTE 67
ABOUT 0.5 MILE EAST OF ROUTE 143
BEGINNING STATION 555+37.00± (MATCH EXISTING)



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

DATE PREPARED

10/1/2025

ROUTE 34 STATE MO

DISTRICT BR SHEET NO. 1

COUNTY WAYNE

JOB NO. J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A13001

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

Garver, LLC

7509 NW TIFFANY SPRINGS

PARKWAY, SUITE 200

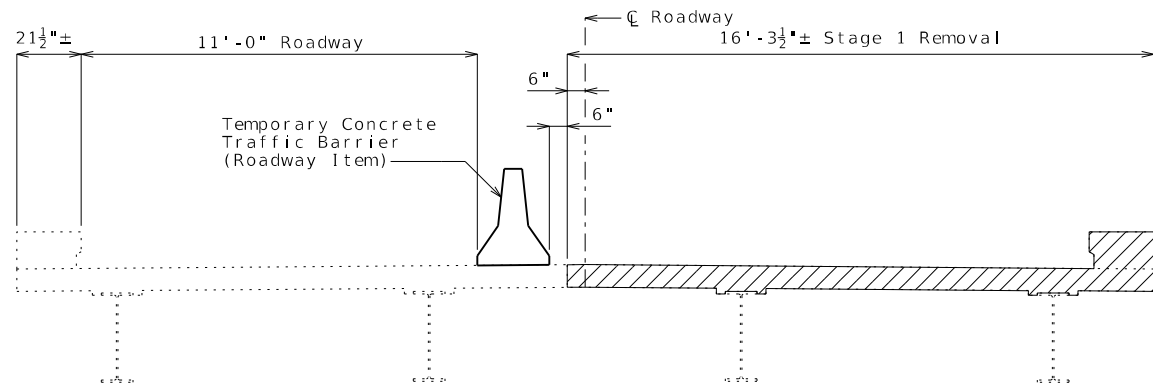
KANSAS CITY, MO 64153

PHONE: (816) 298-6465

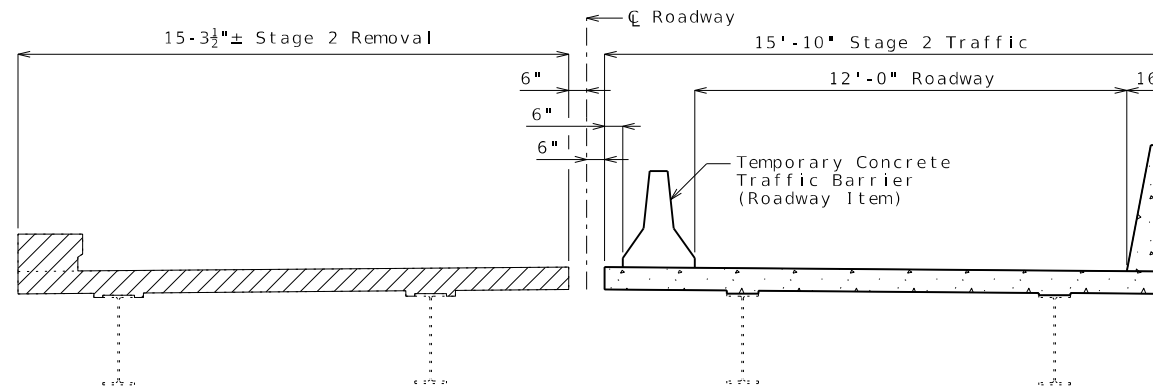
CERTIFICATE OF AUTHORITY

NO. 2008013090

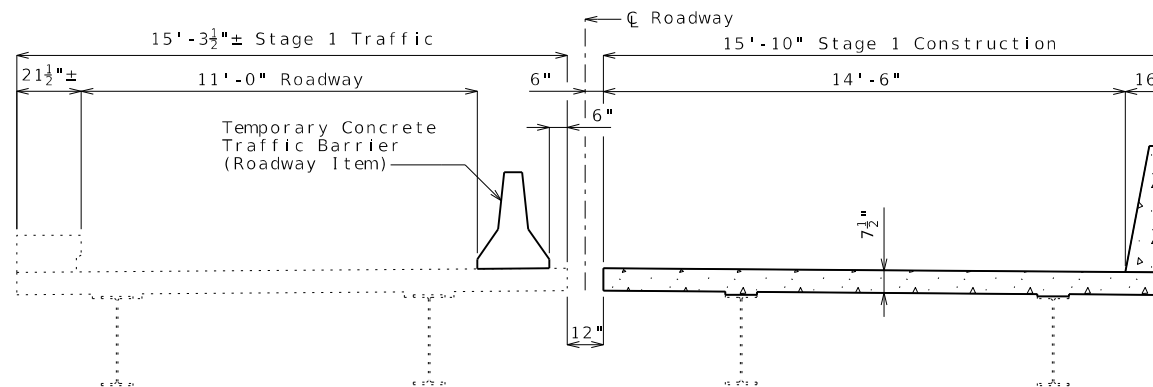
Garver



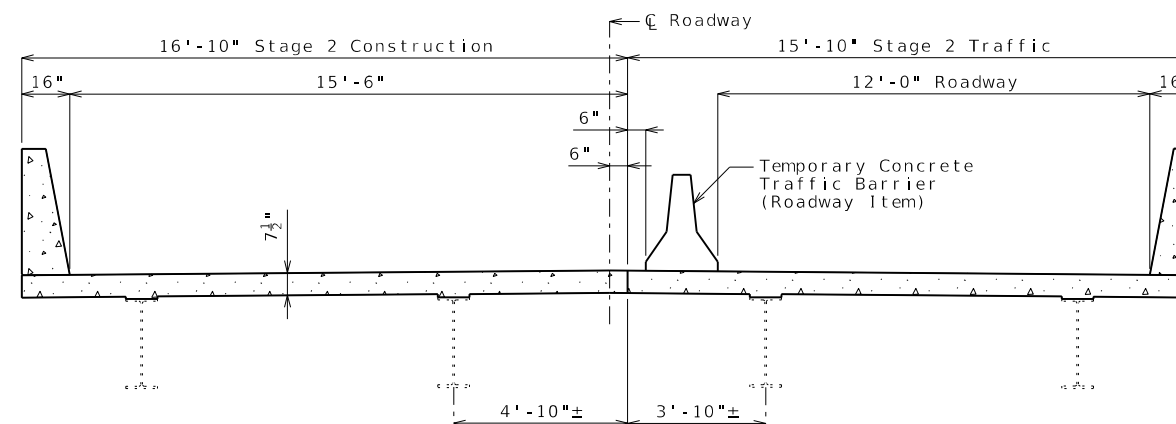
STAGE 1 REMOVAL



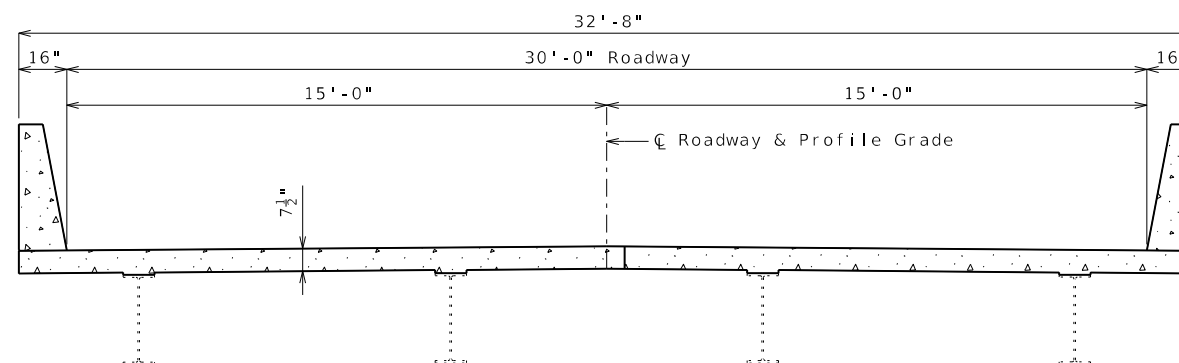
STAGE 2 REMOVAL



STAGE 1 CONSTRUCTION



STAGE 2 CONSTRUCTION



TYPICAL SECTION

STAGED CONSTRUCTION DETAILS

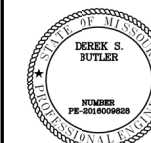
Note:

Tie-down straps shall be required on temporary barrier due to 6" distance from edge of deck and shall be in accordance with Missouri Standard Plans.

Detailed Jul. 2025
Checked Aug. 2025

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 3 of 13



THIS SHEET HAS BEEN
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ELECTRONICALLY

DATE PREPARED

9/18/2025

ROUTE STATE

34 MO

DISTRICT SHEET NO.

BR 3

COUNTY

WAYNE

JOB NO.

J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

A13001

DESCRIPTION

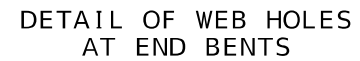
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

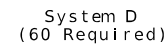
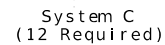
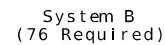
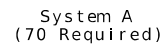
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GARVER, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090





(1) Match existing approach slab notch dimensions

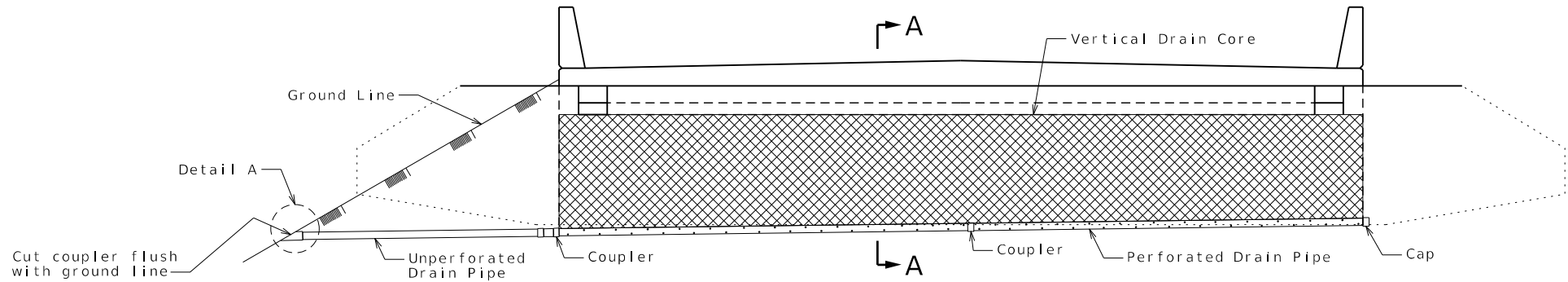


** Manufacturer's recommended embedment length (5" min.)

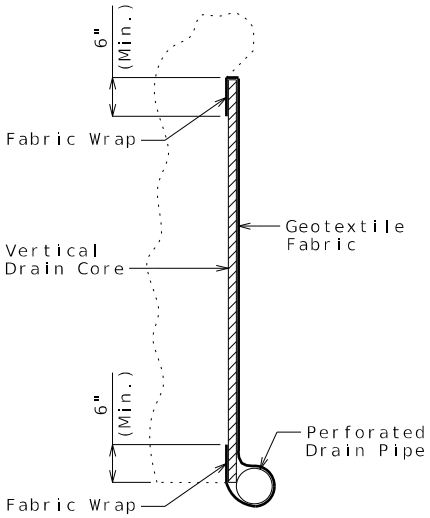
An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8-inch diameter threaded rod for Resin Anchor Systems A,B & C.



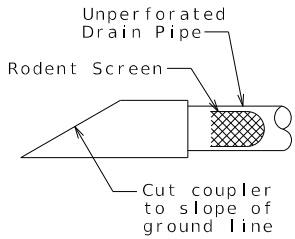
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED:



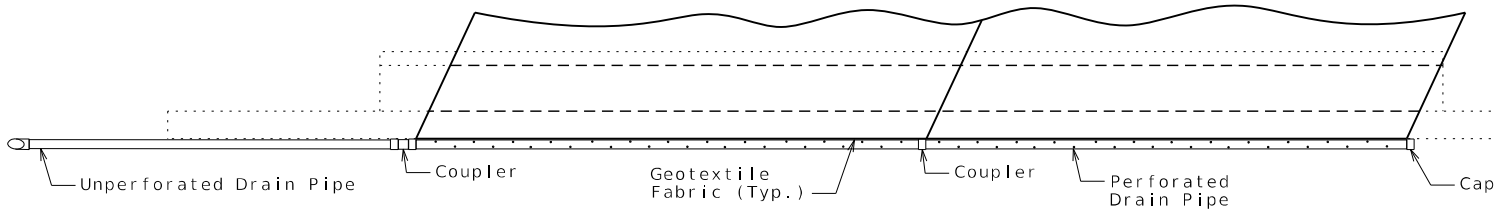
ELEVATION OF END BENT



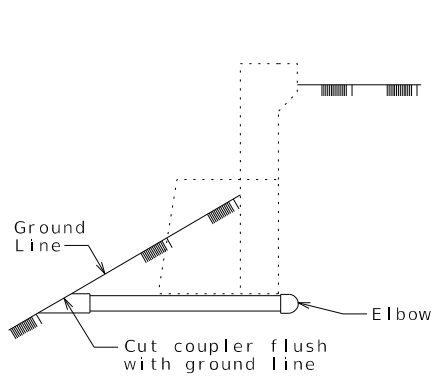
PART SECTION A-A
(Section thru wing similar)



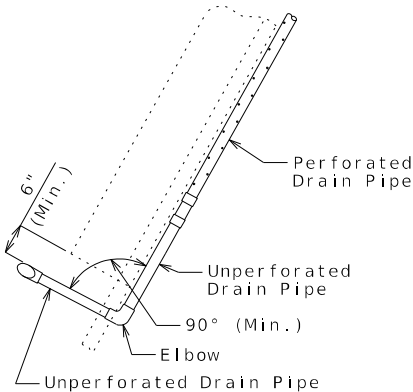
DETAIL A



PLAN OF END BENT
Approach notch not shown for clarity.



ELEVATION OF WING



PART PLAN

OPTIONAL TURNED DRAIN

(Use only when straight drain is not practical.)

General Notes:
All drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe, underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

Drain pipe shall be placed at fill face of end bent. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

Perforated pipe shall be placed at fill face side at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.



THIS SHEET HAS BEEN
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DATE PREPARED
9/18/2025

ROUTE 34 STATE MO

DISTRICT BR SHEET NO. 6

COUNTY WAYNE

JOB NO. J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A13001

DESCRIPTION

DATE

DATE

DATE

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

GARVER, LLC
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090

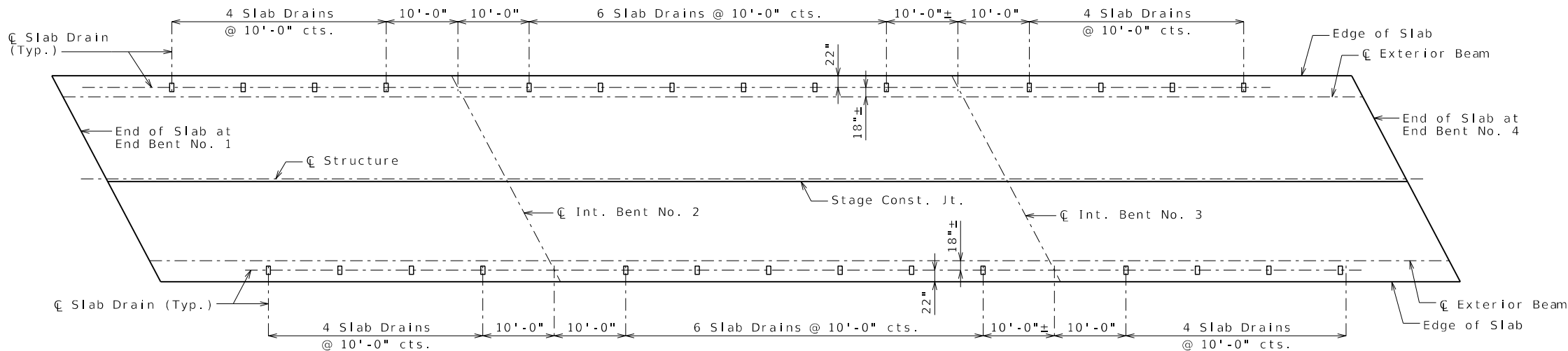


VERTICAL DRAIN AT END BENTS

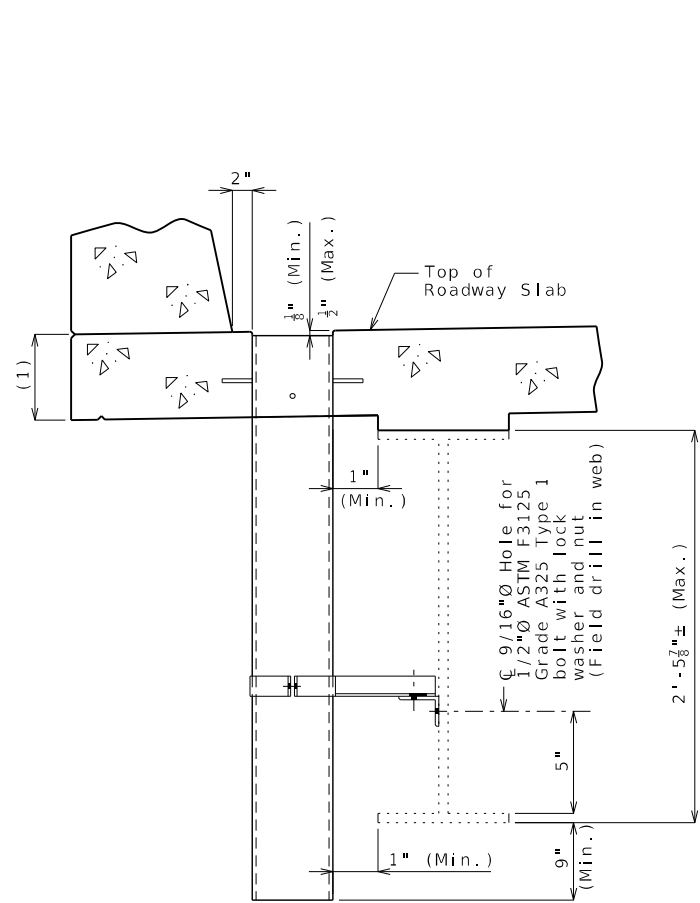
Detailed Aug. 2025
Checked Aug. 2025

Note: This drawing is not to scale. Follow dimensions.

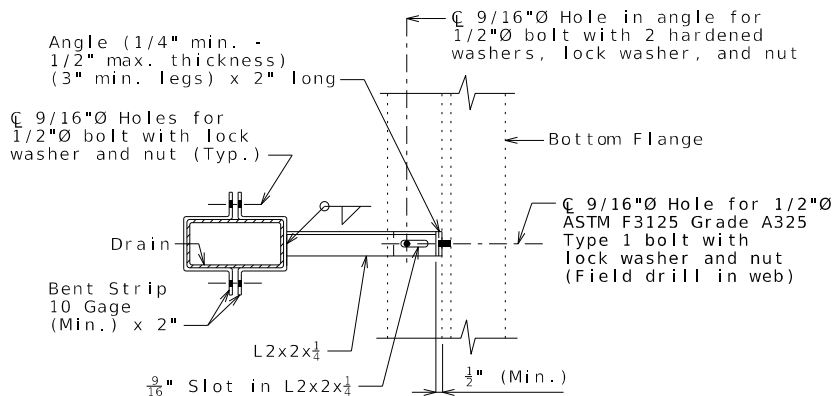
Sheet No. 6 of 13



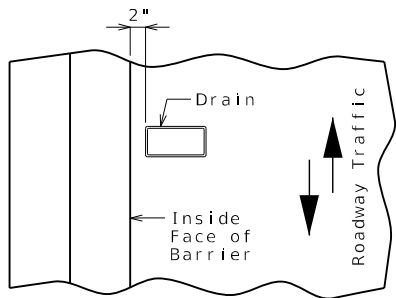
PLAN OF SLAB SHOWING SLAB DRAIN LOCATIONS



PART SECTION NEAR DRAIN

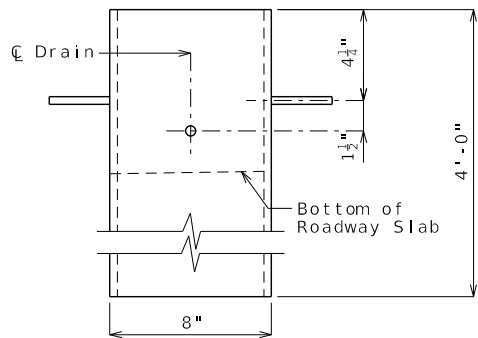


PART SECTION SHOWING BRACKET ASSEMBLY

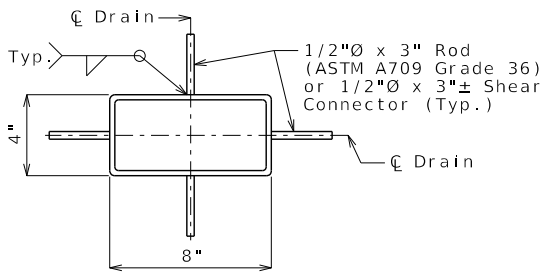


PART PLAN OF SLAB AT DRAIN

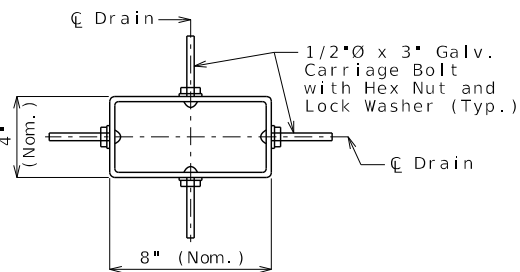
SLAB DRAINS



ELEVATION OF DRAIN



PLAN OF STEEL DRAIN OPTION



PLAN OF FRP DRAIN OPTION

General Notes:

Contractor shall have the option to construct either steel or FRP slab drains. All drains shall be of same type.

Slab drain bracket assembly shall be ASTM A709 Grade 36 steel.

Locate drains in slab by dimensions shown in Part Section Near Drain.

Reinforcing steel shall be shifted to clear drains.

The bracket assembly shall be galvanized in accordance with ASTM A123.

All bolts, hardened washers, lock washers and nuts shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C,

All 1/2"Ø bolts shall be ASTM A307, except as shown.

Shop drawings will not be required for the slab drains and the bracket assembly.

The bolt hole for the bracket assembly attachment shall be shifted to the minimum extent necessary to field drill in the existing web.

(1) See front sheet for slab thickness.

Notes for Steel Drain:

Slab drains may be fabricated of either 1/4" welded sheets of ASTM A709 Grade 36 steel or from 1/4" structural steel tubing ASTM A500 or A501.

Outside dimensions of drains are 8" x 4".

The drains shall be galvanized in accordance with ASTM A123.

Notes for FRP Drain:

Drains shall be machine filament-wound thermosetting resin tubing meeting the requirements of ASTM D2996 with the following exceptions:

Shape of drains shall be rectangular with outside nominal dimensions of 8" x 4".

Minimum reinforced wall thickness shall be 1/4 inch.

The resin used shall be ultraviolet (UV) resistant and/or have UV inhibitors mixed throughout. Drains may have an exterior coating for additional UV resistance.

The color of the slab drain shall be gray (Federal Standard #26373). The color shall be uniform throughout the resin and any coating used.

The combination of materials used in the manufacture of the drains shall be tested for UV resistance in accordance with ASTM D4329 Cycle A. The representative material shall withstand at least 500 hours of testing with only minor discoloration and without any physical deterioration. The contractor shall furnish the results of the required ultraviolet testing prior to acceptance of the slab drains.

At the contractor's option, drains may be field cut. The method of cutting FRP slab drain shall be recommended by the manufacturer to ensure a smooth, chip free cut.



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED 9/18/2025

ROUTE 34 STATE MO

DISTRICT BR SHEET NO. 7

COUNTY WAYNE

JOB NO. J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A13001

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MoDOT

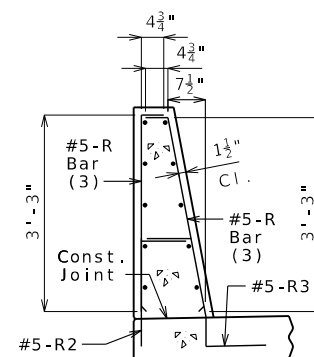
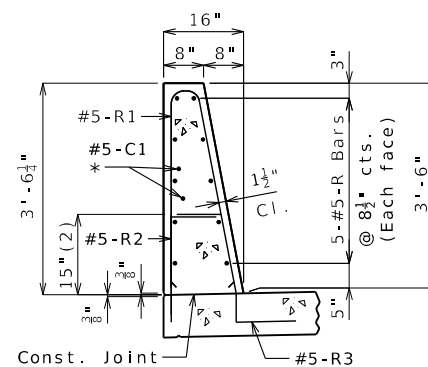
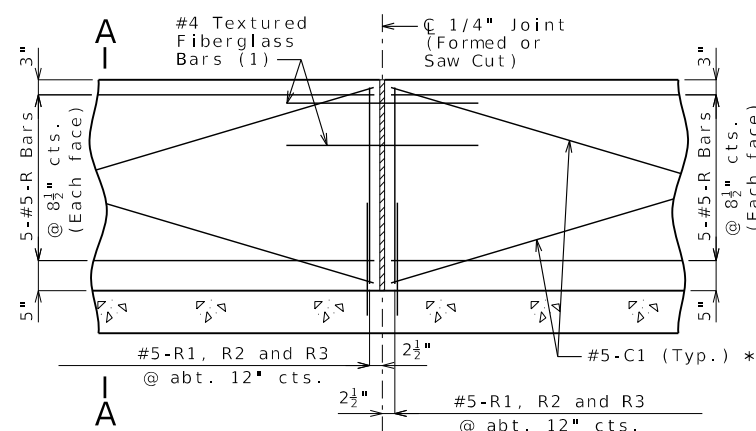
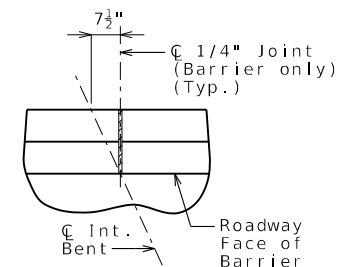
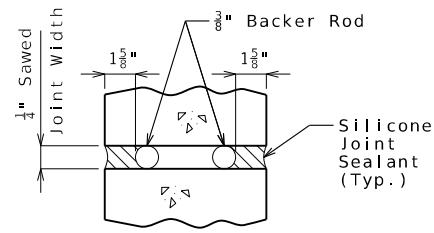
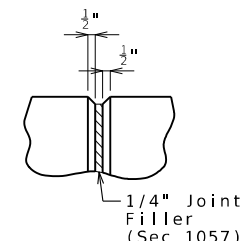
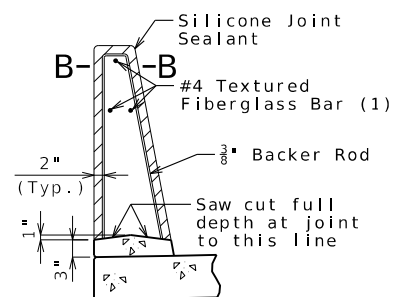
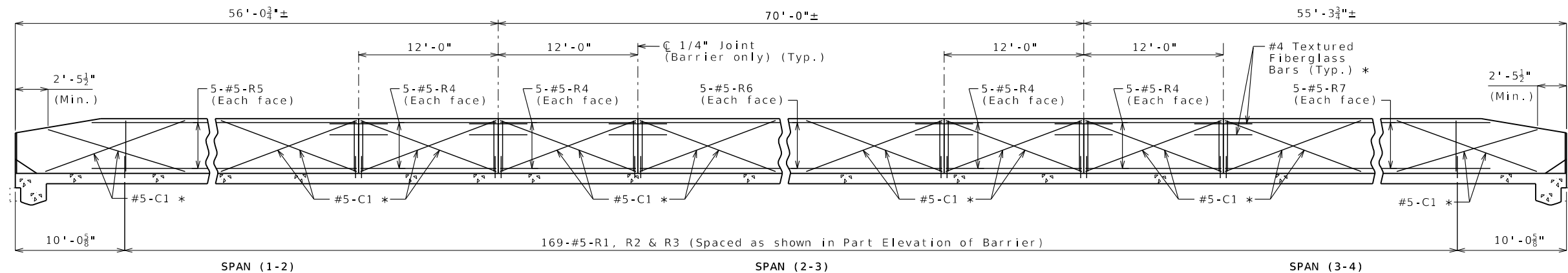
GARVER, LLC

7509 NW TIFFANY SPRINGS PARKWAY, SUITE 200 KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY NO. 2008013090

Garver



General Notes:

* Slip-formed option only.

Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.

Top of barrier shall be built parallel to grade and barrier joints normal to grade.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.

Payment for all concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Type D Barrier per linear foot.

Concrete in barrier shall be Class B-1.

Measurement of barrier is to the nearest linear foot for each structure, measured along the outside top of slab from end of slab to end of slab.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

Joint sealant and backer rods shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

For slip-formed option, both sides of barrier shall have a vertically broomed finish and the top shall have a transversely broomed finish.



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DATE PREPARED

9 / 18 / 2025

ROUTE	STATE
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34	MO
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DISTRICT	SHEET NO.
55	2

BR	9
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COUNTY

WAYNE

JOB NO.

J9P381

CONTRACT

PROJECT N

BRIDGE NO.

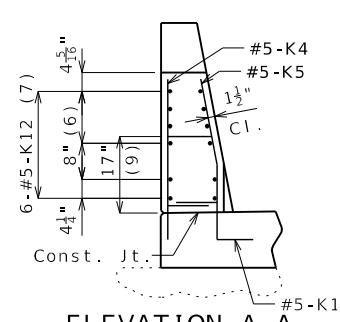
A1300

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

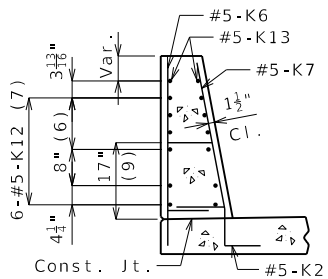
GARVER, LLC.
3509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



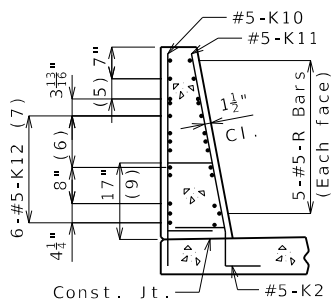
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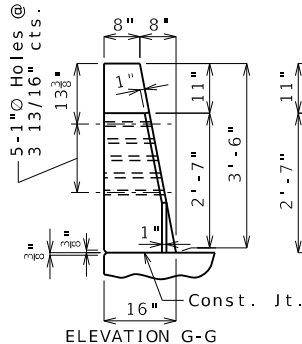
ELEVATION A-A



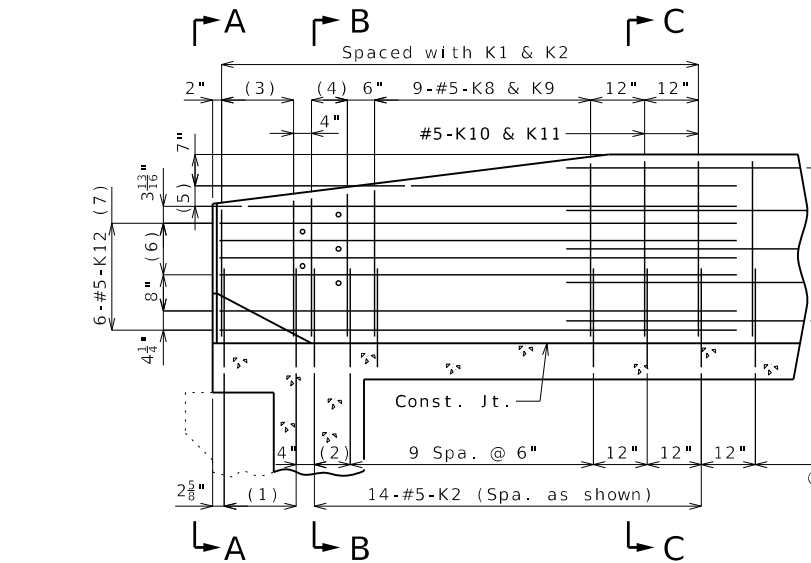
SECTION B-B



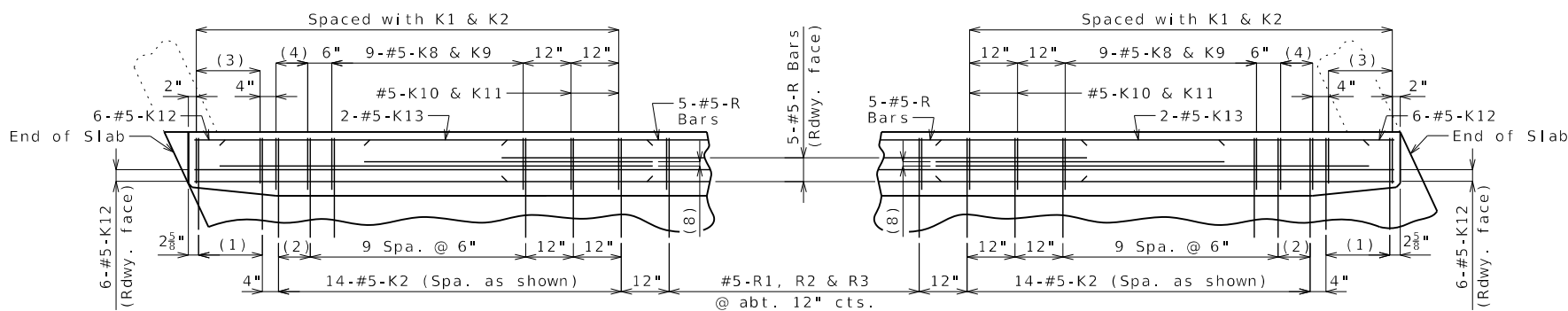
SECTION C-C



ELEVATION G-G

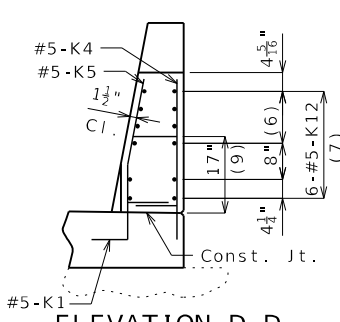
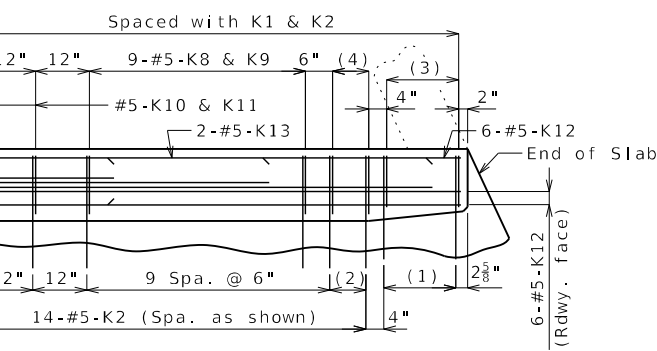
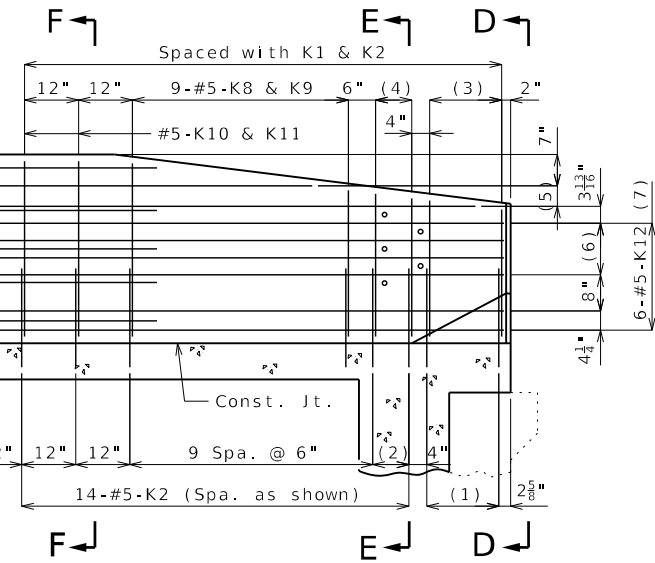


PART ELEVATION

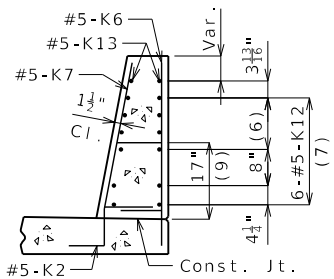


PART PLAN

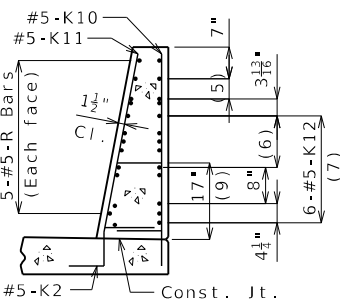
(Top of barrier not shown for clarity.)



ELEVATION D-D



SECTION E-E



SECTION F-F

General Notes:

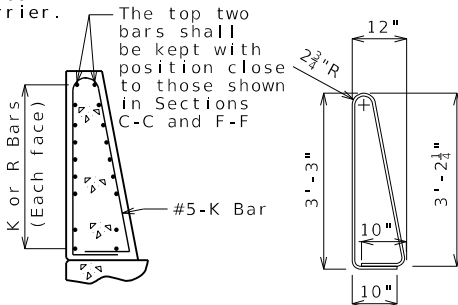
Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2".

Use a minimum lap of 2'-6" between horizontal K bars and R bars.

- (1) 5-#5-K1 @ 4" cts.
- (2) 2 spaces @ 4"
- (3) 5-#5-K4 & K5
- (4) 3-#5-K6 & K7
- (5) 2-#5-K13 @ 4 1/2" cts., each face
- (6) 3 spaces @ 3 13/16"
- (7) Spaced as shown, each face
- (8) 2-#5-K13 (Roadway face)
- (9) To top of bar



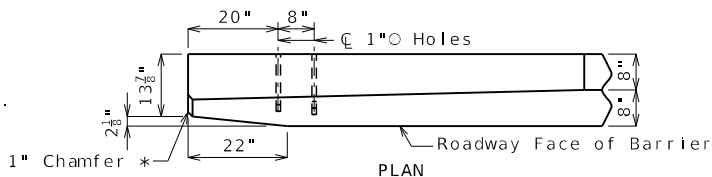
K10-K11 BAR PERMISSIBLE ALTERNATE SHAPE

(Other K bars not shown for clarity)

The K10-K11 bar combination may be furnished as one bar as shown, at the contractor's option.

All dimensions are out to out.

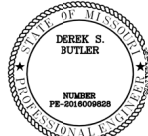
* Transition to zero at Type A curb for gutter lines to match.



DETAILS OF GUARD RAIL ATTACHMENT

TYPE D BARRIER AT END BENTS

(Left barrier shown, right barrier similar by 180° rotation)



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

DATE PREPARED

9/18/2025

ROUTE 34 STATE MO

DISTRICT BR SHEET NO. 10

COUNTY WAYNE

JOB NO. J9P3816

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A13001

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

GARVER, LLC.

7509 NW TIFFANY SPRINGS

PARKWAY, SUITE 200

KANSAS CITY, MO 64153

PHONE: (816) 298-6465

CERTIFICATE OF AUTHORITY

NO. 2008013090

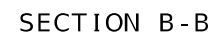
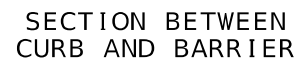
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



With the approval of the engineer, the contractor may crown the bottom of the approach slab to match the crown of the roadway surface.



(If required)



BRIDGE APPROACH SLAB (MAJOR)

Detailed Aug. 2025
Checked Aug. 2025

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 11 of 13

General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 ($f'_c = 4,000$ psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with $f_y = 60,000$ psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2",
unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 24 inches for #5 bars and 40 inches for #6 bars, or by mechanical bar splice.

Mechanical bar splices shall be in accordance with Sec 710. Estimated 46 splices per slab.

All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

The contractor shall pour and satisfactorily finish the bridge slab before placing the bridge approach slab.

Longitudinal construction joints in approach slab and sleeper slab shall be aligned with longitudinal construction joints in bridge slab.

For concrete approach pavement details, see roadway plans.

See Missouri Standard Plan 609.00 for details of Type A curb.

Payment for furnishing all materials, labor and excavation necessary to construct the approach slab, including the inlets header, sleeper slab, underdrain, Type 5 aggregate base, joint filler and all other appurtenances and incidental work as shown on this sheet, complete in place, will be considered completely covered by the contract unit price for Bridge Approach Slab (Major) per square yard.

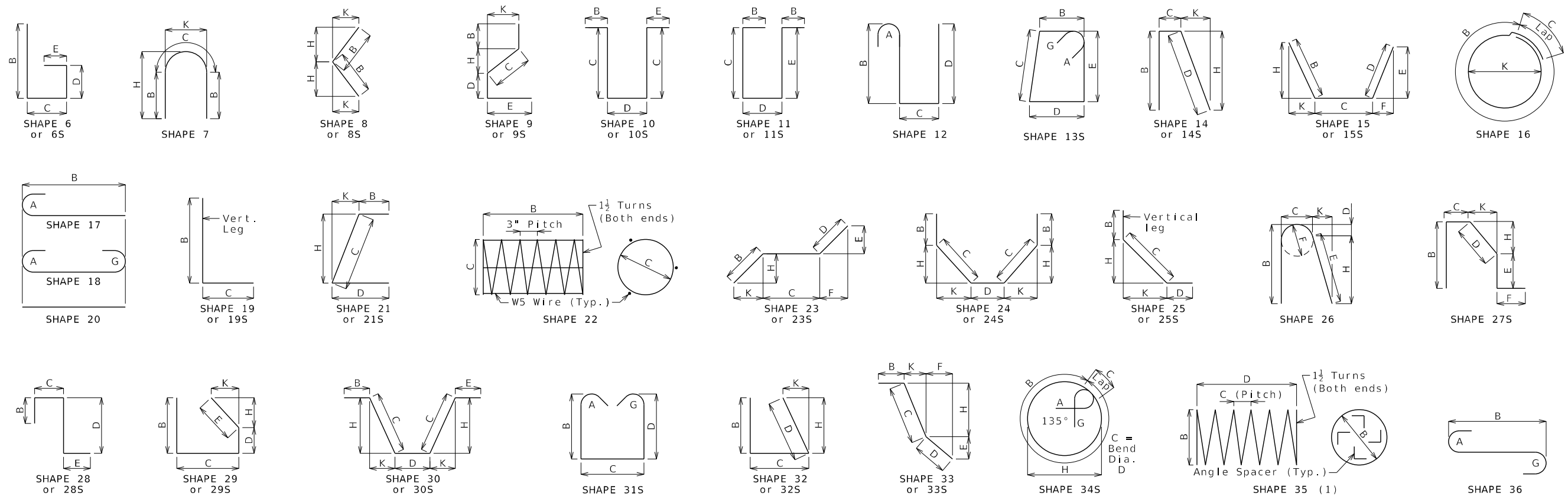
* Seal joint between vertical face of curb and barrier with sealant in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.



PART ELEVATION

DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.



Finished Bend Dimensions D and Hook Dimensions

Standard Pin Bend Shapes

Size	Case	D	A or G		J
			90°	180°	180°
#4	1	3"	8"	6"	4"
#5	1	3¾"	10"	7"	5"
#6	1	4½"	12"	8½"	6"
#7	2	5¼"	14"	9¾"	7"
	3	7"	15"	11½"	8¾"
#8	2	6"	16"	11"	8"
	3	8"	17"	13¼"	10"
#9	1	9½"	19½"	15½"	11¾"
#10	1	10¾"	22"	17½"	13¼"
#11	1	12"	24½"	19½"	14⅞"
#14	1	18¼"	31¼"	27½"	21⅝"
#18	1	24"	41½"	36¼"	28½"

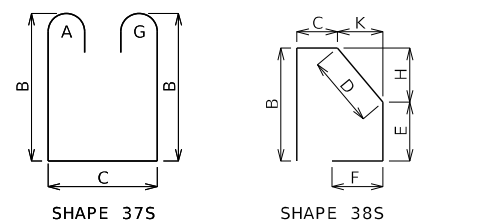
Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G		H	J
			90°	135°	180°	135° 180°
#4	2	2"	4½"	4½"	5"	2⅞" 3"
	3	3"	5"	5¼"	6"	3" 4"
#5	2	2½"	5¾"	5¾"	5¾"	3⅜" 3¾"
	3	3¾"	6¼"	6¼"	7"	3⅞" 5"
#6	1	4½"	12"	7¾"	8¼"	4⅝" 6"

Applicable for all grades of steel.

Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.

6d for #4 & #5,
12d for #6



BENDING DIAGRAMS

All dimensions are out to out.	(1) Shall be a deformed or plain spiral bar or wire.
Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.	Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.
Unless otherwise noted, finished bending diameter D is the same for all bends of a shape.	

		Reinforcing Steel Totals (Pounds)								
		Size	Substructure		Superstructure			Entire Bridge		
			Plain	Epoxy	Slab		Barrier	Slip Form	Plain	Epoxy
					Plain	Epoxy				
By Size	W5	0	0	0	0	0	0	0	0	
	4	0	0	0	10	0	0	0	10	
	5	0	0	0	14,806	9,355	501	0	24,662	
	6	0	0	0	35,868	0	0	0	35,868	
	7	0	0	0	0	0	0	0	0	
	8	0	0	0	0	0	0	0	0	
	9	0	0	0	0	0	0	0	0	
	10	0	0	0	0	0	0	0	0	
	11	0	0	0	0	0	0	0	0	
	14	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0		
By Type		0	0	0	50,684	9,355	501	0	60,540	

All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.



DATE PREPARED	
9/18/2025	
ROUTE	STATE
34	MO
DISTRICT	SHEET NO.
BR	12
COUNTY	
WAYNE	
JOB NO.	
J9P3816	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
A13001	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

GARVER, LLC.
7509 NW TIFFANY SPRINGS
PARKWAY, SUITE 200
KANSAS CITY, MO 64153
PHONE: (816) 298-6465
CERTIFICATE OF AUTHORITY
NO. 2008013090



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

