MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

DEKALB COUNTY

DESIGN DESIGNATION

A.A.D.T. - 2023 = 8540
A.A.D.T. - 2033 = 8976
D.H.V. = 10.9%
T = 4.5%
V = 60 M.P.H.
D (N/S) = 49.2%/50.8%
FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

NORMAL RIGHT-OF-WAY
TEMPORARY EASEMENT

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

NW DISTRICT
DEKALB COUNTY

JOB NO. J1P3373
GRADING AND PAVING
LENGTH = 0.403 MILE

BEGIN PROJECT
STA. 65+90.00
LOG MILE 64.704

END PROJECT
STA. 87+20.00
LOG MILE 64.301

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

1/2 0 1 2
SCALE IN MILES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (2 SHEETS)	2
QUANTITIES (QU) (3 SHEETS)	3
PLAN-PROFILE (PP)	4-6
REFERENCE POINTS (RP)	7
COORDINATE POINTS (CP)	8
SPECIAL SHEETS (SS)	9-11
TRAFFIC CONTROL SHEETS (TC)	12-24
EROSION CONTROL SHEETS (EC)	25
CULVERT SECTIONS (CS)	26
SIGNING (SN)	27
CROSS SECTIONS (XS)	1-18

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA.	65+90.00	
END OF PROJECT	STA.	87+20.00	
APPARENT LENGTH		2130.00	FEET
EQUATIONS AND EXCEPTIONS:			
TOTAL CORRECTIONS		0.00	FEET
NET LENGTH OF PROJECT		2130.00	FEET
STATE LENGTH		0.403	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES		1.51	ACRES

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 3/4/2024

ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	1

COUNTY DEKALB
JOB NO. J1P3373
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

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

Hg Consult inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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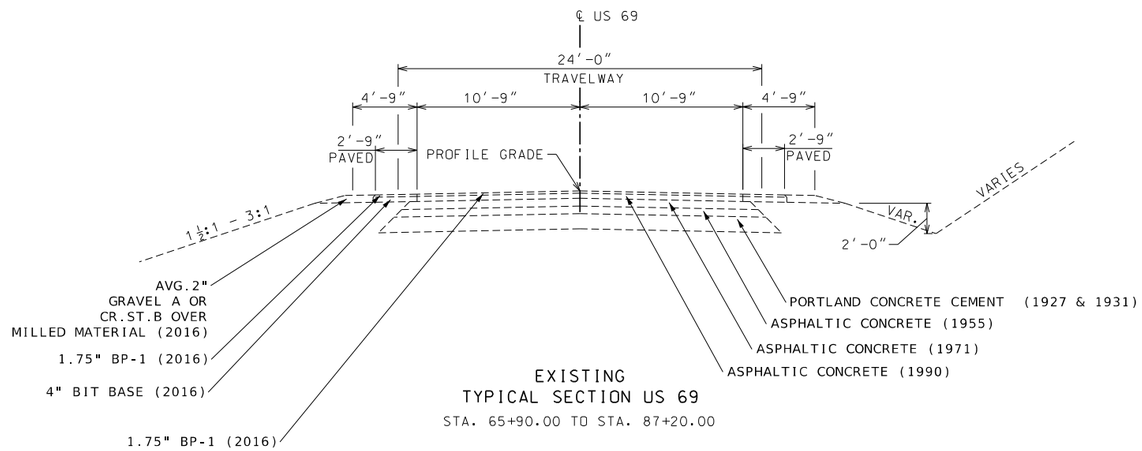
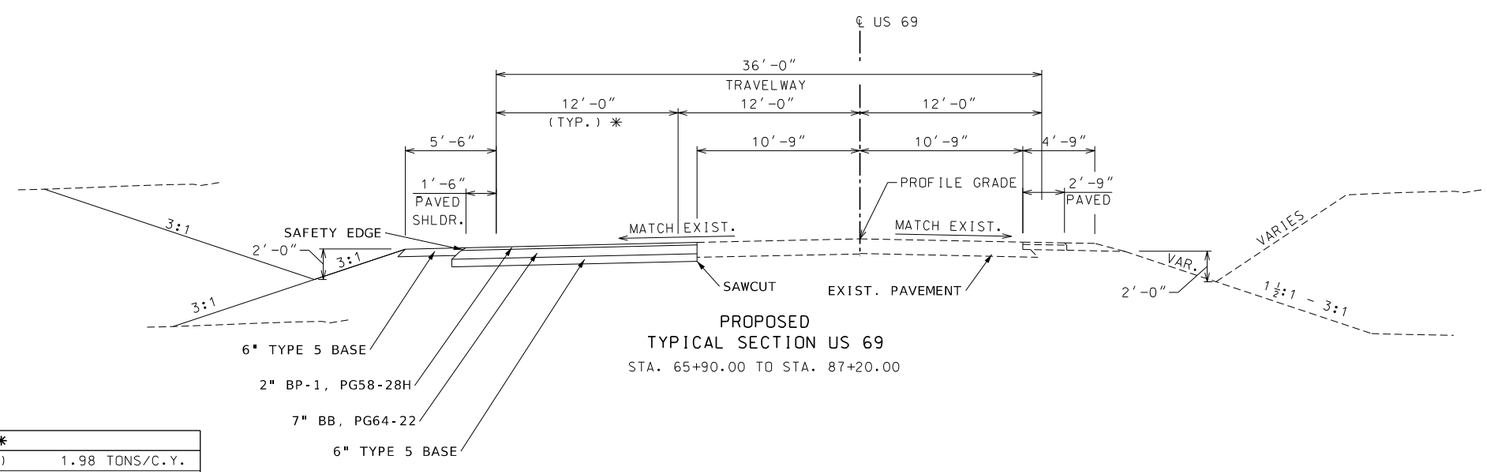


EXISTING
TYPICAL SECTION US 69
STA. 65+90.00 TO STA. 87+20.00

✳ TAPERS FROM 0' TO 12'
STA. 65+90.00 TO STA. 73+10.00

TAPERS FROM 12' TO 0'
STA. 80+00.00 TO STA. 87+20.00



PROPOSED
TYPICAL SECTION US 69
STA. 65+90.00 TO STA. 87+20.00

ESTIMATE FACTORS ✳	
BITUMINOUS PAVEMENT MIXTURE PG64-22 (BB)	1.98 TONS/C.Y.
BITUMINOUS PAVEMENT MIXTURE PG58-28H (BP-1)	1.98 TONS/C.Y.
TACK COAT	0.08 GAL/S.Y.
TACK COAT (BETWEEN LIFTS)	0.05 GAL/S.Y.

✳ FOR INFORMATIONAL PURPOSES ONLY

NOT TO SCALE

TYPICAL SECTIONS
SHEET 1 OF 2

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
3/4/2024	
ROUTE 69	STATE MO
DISTRICT NW	SHEET NO. 2
COUNTY DEKALB	
JOB NO. J1P3373	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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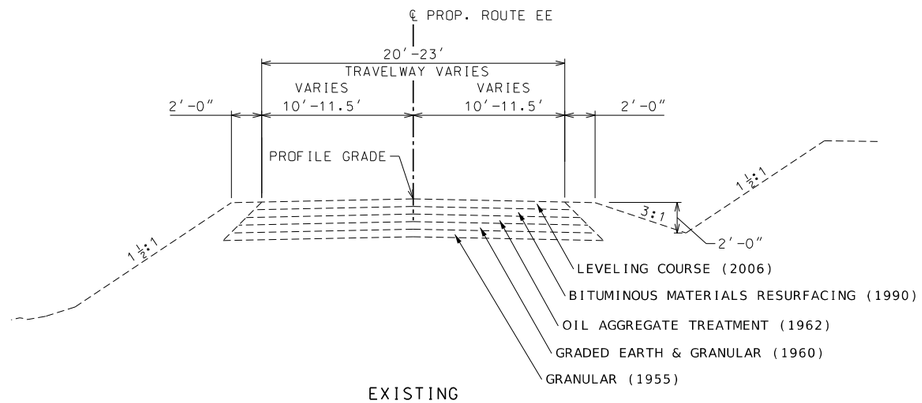
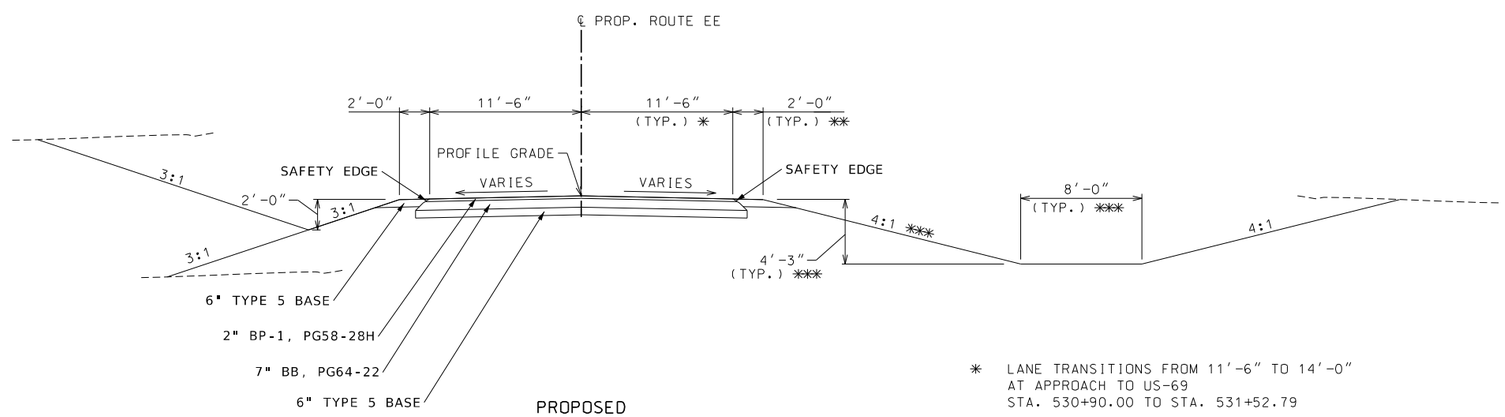


EXISTING
TYPICAL SECTION ROUTE EE
STA. 530+90.00 TO STA. 532+74.57



PROPOSED
TYPICAL SECTION ROUTE EE
STA. 530+90.00 TO STA. 532+74.57

* LANE TRANSITIONS FROM 11'-6" TO 14'-0"
AT APPROACH TO US-69
STA. 530+90.00 TO STA. 531+52.79

** SHOULDER TRANSITIONS FROM 2'-0" TO 6'-0"
TO MATCH US-69 SHOULDER WIDTH
STA. 532+11.86 TO STA. 532+68.06

*** DITCH TRANSITIONS FROM EXISTING CONDITIONS
TO 4'-3" DEEP, 8' WIDE, FLAT BOTTOM DITCH
WITH 4:1 SIDESLOPES.
STA 530+90.00 TO STA 531+20.00

NOT TO SCALE

TYPICAL SECTIONS
SHEET 2 OF 2

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

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DATE PREPARED 3/4/2024

ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	2

COUNTY: DEKALB
JOB NO.: J1P3373
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DESCRIPTION	DATE
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REMOVAL OF IMPROVEMENTS

SHEET	STATION	STATION	ROUTE	LOCATION	OFFSET	DESCRIPTION	UNITS	QUANTITY
4-6	65+90	87+20	US 69	10'9" FROM ℄	LT	SAWCUT & REMOVE US 69 PVM'T	LF	2130
4	66+37		US 69	FIELD ENTRANCE	LT	24" RCP	LF	42
4	68+95		US 69	ASPHALT ENTRANCE	LT	12" CMP	LF	62
4	69+64		US 69	EAST OF CHURCH PARKING LOT	LT	LIGHT POLE	EA	1
5	70+12		US 69	EAST OF CHURCH PARKING LOT	LT	SIGN MONUMENT	EA	1
5	71+18	71+78	US 69	CHURCH PARKING LOT	LT	SAWCUT & REMOVE PVM'T WITHIN R/W	SQFT	142
5	71+38		US 69	EAST OF CHURCH PARKING LOT	LT	LIGHT POLE	EA	1
5	73+00		US 69	PWSD #3 ENTRANCE	LT	12" CMP	LF	22
5	73+37		US 69	SEUFERLING SOUTH PROPERTY LINE	LT	BILLBOARD	EA	1
5	73+45	80+55	US 69	SEUFERLING EAST PROPERTY LINE	LT	FENCE	LF	755
5	76+74		US 69		℄	3' X 2' RCB	LF	60
5	531+00		EE		℄	12" CMP	LF	36
5	528+88		EE		LT	SIGN & POST - ZONING	EA	1
6	80+85		US 69	GORE AREA BETWEEN US 69 & EE	LT	BILLBOARD	EA	1
6	84+49		US 69	ENTRANCE	LT	18" CMP	LF	42
6	84+88		US 69		LT	9" TREE	EA	1
11	65+00		US 69		RT	SIGN FACE - R2-1	EA	1
11	65+00		US 69		LT	SIGN FACE - R2-1	EA	1
11	70+58		US 69		RT	SIGN FACES - M1-5a & M2-1	EA	2
11	73+36		US 69		RT	SIGN & POST - R2-1	EA	1
11	73+36		US 69		LT	SIGNS & POSTS - R2-1 & R2-5d	EA	2
11	75+81		US 69		LT	SIGN & POST - ADOPT-A-HIGHWAY	EA	1
11	79+12		US 69		RT	SIGN FACES - M1-4 & M6-4	EA	2
11	79+30		US 69		LT	SIGN & POST - R1-1	EA	1
11	79+60		US 69		LT	SIGN ASSEMBLY	EA	1
11	79+82		US 69		LT	SIGN ASSEMBLY	EA	1
								1 LUMP SUM

BASE AND PAVEMENT

FROM STATION	TO STATION	LOCATION	BP-1 (PG58-28H) (2") (TON)	BASE (PG64-22) (7") (TON)	TYPE 5 AGG. BASE (6") (SY)	TACK COAT (GAL)
65+90.00	73+10.00	US 69 LT.	77.75	283.91	761.3	73
64+80.00	78+06.75	US 69 LT. SHOULDER			589.7	
73+10.00	80+00.00	US 69 LT.	125.11	449.18	1189.6	116
76+69.00	76+79.00	℄ US 69 (REPLACE CROSSROAD RCB)	3.19	11.33	33.7	3
530+90.00	532+10.25	℄ ROUTE EE	55.74	199.00	591.7	52
79+92.86	87+20.00	US 69 LT. SHOULDER			323.2	
80+00.00	87+20.00	US 69 LT.	77.75	283.91	761.3	73
		SUBTOTALS	339.54	1227.33	4250.5	317
		ADDITIONAL 2% SAFETY EDGE	6.79	24.55		
		DRIVEWAYS SUBTOTALS	17.22	35.06		13
		PAY TOTALS	363.6	1286.9	4251	330

CROSSROAD CULVERTS

STATION	LOCATION	OFFSET	18" PIPE GROUP B (LF)	48" PIPE GROUP A (LF)	18" S.S.E.S. GROUP B (EA)	48" F.E.S. GROUP A (EA)	CLASS 3 EXCAVATION (CY)	ROCK LINING (CY)
76+74.00	US 69	℄		76		2	126.5	4
531+10.50	ROUTE EE	℄	56		2		31.6	
		SUBTOTALS	56	76	2	2	158.1	4
		PAY TOTALS	56	76	2	2	158	4

REINFORCED CONCRETE BOX CULVERT

STATION	LOCATION	SKEW	SIZE	LENGTH (LF)	DESIGN FILL HEIGHT (LF)	CLASS B-1 CONCRETE (CULVERTS) (CY)	REINFORCING STEEL (CULVERTS) (LBS)	CLASS 4 EXCAVATION (CY)	REMARKS
67+34.10	US 69 LT.	NO SKEW	4' X 3'	26	4	14.15	2730	7.3	5.29% FLOWLINE GRADE
					SUBTOTALS	14.15	2730	7.3	
					PAY TOTALS	14.2	2730	7	

SEEDING AND MULCHING

FROM STATION	TO STATION	LOCATION	COOL SEASON GRASSES (AC)	MULCHING (AC)
64+20	80+60	US 69 LT SOUTH OF RTE EE	1.82	1.82
79+70	87+40	US 69 LT NORTH OF RTE EE	0.66	0.66
		SUBTOTALS	2.48	2.48
		PAY TOTALS	2.5	2.5

SIGNS / PERFORATED SQUARE STEEL TUBE POST / FOOTINGS / BACKING BARS ✱

SIGN NO.	SIGN SIZE	SIGN TYPE	STATION	LOCATION	SH. FLAT SHEET AREA (SF)	POST 12-GA. (LF)	2.5 IN. 2.25" INSERT (EA)	2.5 IN. ANCHOR 7-GA. (EA)	BREAK-AWAY ASSEMBLY (EA)	EMBD (CY)	2" X 11" BARS @ 2.55 LBS PER FT NO. EACH	LENGTH (IN)	TOTAL (LF)	TOTAL (LBS)
11	36" x 36"	W3-4	527+00	RTE EE, 25' RT	9.00	10.0	-	1	-	0.09	-	-	-	-
62	30" x 24"	M1-5a	529+00	RTE EE, 25' LT	5.00	10.5	-	1	-	0.09	-	-	-	-
41	36" x 36"	R1-1	532+00	RTE EE, 28' RT	9.00	12.0	-	1	-	0.09	-	-	-	-
25	36" x 48"	R2-1	64+96	US 69, 26' LT	12.00	-	-	-	-	-	-	-	-	-
25A	36" x 48"	R2-1	64+98	US 69, 27' RT	12.00	-	-	-	-	-	-	-	-	-
63 62	21" x 15" 30" x 24"	M2-1 M1-5a	70+58	US 69, 24' RT	2.19 5.00	-	-	-	-	-	-	-	-	-
25 61 64	36" x 48" 36" x 48" 48" x 24"	R2-1 R2-5d I4-4	73+35	US 69, 46' LT US 69, 50' LT US 69, 48' LT	12.00 12.00 8.00	14.0 12.5 -	1 1 -	1 1 -	1 1 -	0.09 0.09 -	-	-	-	-
69 70	24" x 24" 21" x 15"	M1-4 M6-4	79+05	US 69, 30' RT	4.00 2.19	-	-	-	-	-	-	-	-	-
62 69 66 67	30" x 24" 24" x 24" 21" x 15" 21" x 15"	M1-5a M1-4 M6-2L M6-2R	79+95	US 69, 41' LT	5.00 4.00 2.19 2.19	10.5	-	1	-	0.09	4	50	16.67	42.5
69 62 68 65	24" x 24" 30" x 24" 21" x 15" 21" x 15"	M1-4 M1-5a M6-3 M6-1	80+15	US 69, 40' LT	4.00 5.00 2.19 2.19	10.5	-	1	-	0.09	4	50	16.67	42.5
59 60	24" x 18" 36" x 36"	W16-2P W2-2	82+00	US 69, 25' RT	3.00 9.00	11.0	-	1	-	0.09	-	-	-	-
69 71	24" x 24" 24" x 12"	M1-4 M3-1	87+00	US 69, 25' RT	4.00 2.00	10.0	-	1	-	0.09	-	-	-	-
				SUBTOTALS	137.1	101.0	2	9	2	0.81				85.0
				PAY TOTALS	137	101	2	9	2	0.8				90

✱ PAID PER LB OF PIPE POSTS (BID ITEM NO. 9031220)

CLEARING AND GRUBBING
1.5 ACRES
PAY TOTAL 2 ACRES

ADDITIONAL MOBILIZATION FOR SEEDING
3 EACH

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

MOBILIZATION
1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 1 OF 3

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

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DATE PREPARED 3/4/2024

ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	3

COUNTY: DEKALB
JOB NO.: J1P3373
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TEMPORARY EROSION CONTROL

BEGIN STATION	END STATION	LOCATION	SILT FENCE L.F.	ROCK DITCH CHECK L.F.	ALTERNATE DITCH CHECK L.F.	SEDIMENT TRAP ROCK C.Y.	SEDIMENT REMOVAL C.Y.
STA. 65+41		US 69 LT.		12			1
STA. 65+91		US 69 LT.		12			1
STA. 67+34		US 69 LT.	60			21.4	2.6
STA. 68+13		US 69 LT.		12			1
STA. 69+75		US 69 LT.			12		1
STA. 70+40		US 69 LT.			12		1
STA. 71+24		US 69 LT.			12		1
STA. 72+48		US 69 LT.			13		1
STA. 73+30	STA. 73+90	US 69 LT.			42		3
STA. 75+17		US 69 LT.		24			1
STA. 76+74		US 69 LT.	60			21.4	2.6
STA. 77+76		US 69 LT.		24			1
STA. 78+75		US 69 LT.		24			1
STA. 79+85		US 69 LT.	20		24		2.2
STA. 81+93	STA. 83+15	US 69 LT.			60		5
STA. 83+38	STA. 84+10	US 69 LT.			60		5
STA. 84+81	STA. 86+79	US 69 LT.			156		13
STA. 87+08		US 69 LT.		16			1
STA. 87+35		US 69 LT.				15.1	1
		SUBTOTALS	140	124	391	57.9	45.4
		PAY TOTALS	140	124	391	57.9	45

PERMANENT EROSION CONTROL

FROM STATION	TO STATION	LOCATION	WIDTH (FT)	TYPE 2 ROCK DITCH LINER (12" THICK) FURNISH (CY)	PLACE (CY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)
66+70	67+45	US 69 LT.	12'	34.9	34.9	126.8
84+60	87+20	US 69 LT.	6'	57.8	57.8	231.1
			SUBTOTALS	92.7	92.7	357.9
			PAY TOTALS	93	93	358

TEMPORARY PAVEMENT MARKING

BEGIN STATION	END STATION	LOCATION	PAVEMENT MARKING REMOVAL (LF)	4" TEMPORARY PAVEMENT MARKING PAINT SOLID (LF)	REMARKS
58+05.00	63+05.00	US 69	2000.0	1000.0	SOLID DOUBLE YELLOW - CENTERLINE
63+04.00	63+06.00	US 69	72.0	72.0	12' x 24" WHITE STOP BAR
65+30.00	83+60.00	US 69	3660.0	3660.0	SOLID WHITE LINES - ONE LANE TRAFFIC
65+90.00	77+70.00	US 69	1180.0	1180.0	SOLID WHITE LINE - LEFT SIDE
79+50.00	87+20.00	US 69	770.0	770.0	SOLID WHITE LINE - LEFT SIDE
65+90.00	87+20.00	US 69	8520.0	4260.0	SOLID DOUBLE YELLOW - CENTERLINE
65+90.00	87+20.00	US 69	2130.0	2130.0	SOLID WHITE LINE - RIGHT SIDE
85+84.00	85+86.00	US 69	72.0	72.0	12' x 24" WHITE STOP BAR
85+85.00	90+85.00	US 69	2000.0	1000.0	SOLID DOUBLE YELLOW - CENTERLINE
526+40.00	531+40.00	RTE EE	2000.0	1000.0	SOLID DOUBLE YELLOW - CENTERLINE
531+39.00	531+41.00	RTE EE	66.0	66.0	11' x 24" WHITE STOP BAR
		SUBTOTAL	22470.0	15210.0	
		PAY TOTAL	22.470	15.210	

EARTHWORK

FROM STATION	TO STATION	LOCATION	CLASS A EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	COMPACTING IN CUT (STA)
64+80.00	87+20.00	US 69 LT.	3461.3	1185.3	22.40
530+90.00	532+10.25	℄ ROUTE EE	255.8	42.1	1.20
		SUBTOTALS	3717.1	1227.4	23.60
		PAY TOTALS	3718	1228	23.6

PERMANENT PAVEMENT MARKING

BEGIN STATION	END STATION	LOCATION	WATERBORNE PAVEMENT MARKING PAINT, 4" YELLOW, TYPE P BEADS SOLID (LF)	WATERBORNE PAVEMENT MARKING PAINT, 4" YELLOW, TYPE P BEADS INTERMITTENT (LF)	WATERBORNE PAVEMENT MARKING PAINT, 4" WHITE, TYPE P BEADS SOLID (LF)	WATERBORNE PAVEMENT MARKING PAINT, 4" WHITE, TYPE P BEADS DOTTED (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24" YELLOW SOLID (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24" WHITE SOLID (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT ARROW (EA)	REMARKS
57+50.00	65+90.00	US 69	840.0	210.0	1680.0					NO PASSING ZONE SOUTHBOUND
65+90.00	73+10.00	US 69	2880.0		1440.0	45.0	115.7			MEDIAN ISLAND MARKING
73+10.00	78+30.00	US 69	1040.0		1560.0					LEFT TURN LANE
73+35.00		US 69							1	LEFT ARROW
75+70.00		US 69							1	LEFT ARROW
78+05.00		US 69							1	LEFT ARROW
525+50.00	528+05.00	ROUTE EE	255.0	63.8	510.0					NO PASSING ZONE SOUTHBOUND
528+05.00	531+80.00	ROUTE EE	750.0		750.0					SOLID DOUBLE YELLOW
531+80.00	532+00.00	ROUTE EE						34.5		STOP BAR
78+30.00	80+00.00	US 69			170.0					RIGHT EDGELINE
80+00.00	87+20.00	US 69	2920.0		1440.0		187.5			MEDIAN ISLAND MARKING
87+20.00	91+50.00	US 69	430.0		860.0					NO PASSING ZONE
		SUBTOTAL	9115.0	273.8	8410.0	45.0	303.2	34.5	3	
		PAY TOTAL	9389		8455		303	35	3	

DRIVEWAYS

STATION	LOCATION	GRAVEL (A) OR CRUSHED STONE (B) (TON)	BP-1 (PG58-28H) (2") (TON)	BASE (PG58-28H) (4") (TON)	TACK COAT (GAL)	18" PIPE GROUP C (LF)	24" PIPE GROUP C (LF)	36" PIPE GROUP C (LF)	18" F.E.S. GROUP C (EA)	24" S.S.E.S. GROUP C (EA)	36" S.S.E.S. GROUP C (EA)
66+36.56	US 69 LT.	49.7						48			2
68+95.43	US 69 LT.		17.22	35.06	13		42			2	
73+00.00	US 69 LT.	30.8				40			2		
84+48.98	US 69 LT.	14.8				24			2		
	SUBTOTALS	95.3	17.22	35.06	13	64	42	48	4	2	2
	PAY TOTALS	95	SEE BASE AND PAVEMENT TABLE			64	42	48	4	2	2

RUMBLE STRIPS

FROM STATION	TO STATION	LOCATION	LENGTH (FT)	BIT. SHOULDER RUMBLE STRIP (STA)
73+36	78+07	US 69 LT. SHOULDER	471	4.71
80+14	87+20	US 69 LT. SHOULDER	706	7.06
			SUBTOTAL	11.77
			PAY TOTAL	11.8

SUMMARY OF QUANTITIES
SHEET 2 OF 3

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 3/4/2024
ROUTE 69 | STATE MO
DISTRICT NW | SHEET NO. 3
COUNTY DEKALB
JOB NO. J1P3373
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

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

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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

EFFECTIVE: 04-01-2023

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT ARROW)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT ARROW)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT ARROW)
WO1-4R	48X48	16.00	1	16.0			15	REVERSE CURVE (SYMBOL RIGHT ARROW)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00	3	48.0			12	SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (ARROW SYMBOL)
WO4-1aR	48X48	16.00						MERGE (ARROW SYMBOL)
WO5-1	48X48	16.00	3	48.0			43	ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING (WITH FLAGS)
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17	48X48	16.00						SHOULDER DROP-OFF (SYMBOL)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	4	64.0			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00	1	16.0			20	ROAD CLOSED AHEAD
WO20-4	48X48	16.00	3	48.0			7	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00						FLAGGER (SYMBOL, WITH FLAGS)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	1	16.0			21	SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19	4	8.8			63	WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	3	30.0			1	ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	4	32.0			26	END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT ARROW)
MO4-9R	48X36	12.00						DETOUR (RIGHT ARROW)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR (ARROW LEFT)
MO4-10R	48X18	6.00						DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00						SPEED LIMIT XX
R3-1	48X48	16.00	1	16.0			53	NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00	1	16.0			54	NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00	4	24.0			47	STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00	2	20.0			29	ROAD CLOSED
R11-3a	60X30	12.50	2	25.0			59A 59B	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	2	64.0			55	POINT OF PRESENCE
CONST-7	48X24	8.00						RATE OUR WORK ZONE
CONST-7	72X36	18.00	3	54.0			56	RATE OUR WORK ZONE
CONST-8	48X36	12.00	3	36.0			57	WORK ZONE NO PHONE ZONE
W020-3a	48X48	16.00	1	16.0			20A	ROAD CLOSED 500 FT
R10-11	24X30	5.00	2	10.0			58	NO TURN ON RED

	TOTAL
616-10.05 CONSTRUCTION SIGNS	608
616-10.10 RELOCATED SIGNS	0

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012	2	IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020	4	REPLACEMENT SAND BARREL
6122030	2	IMPACT ATTENUATOR (RELOCATION)
6123000A		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161008	4	ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	64	CHANNELIZER (TRIM LINE)
6161030	10	TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	3	CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002	3	TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D	255	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A	255	RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169901	1	WORK ZONE TRAFFIC SIGNAL SYSTEM

SUMMARY OF QUANTITIES
SHEET 3 OF 3

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 3/4/2024

ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	3

COUNTY: DEKALB
JOB NO.: J1P3373
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

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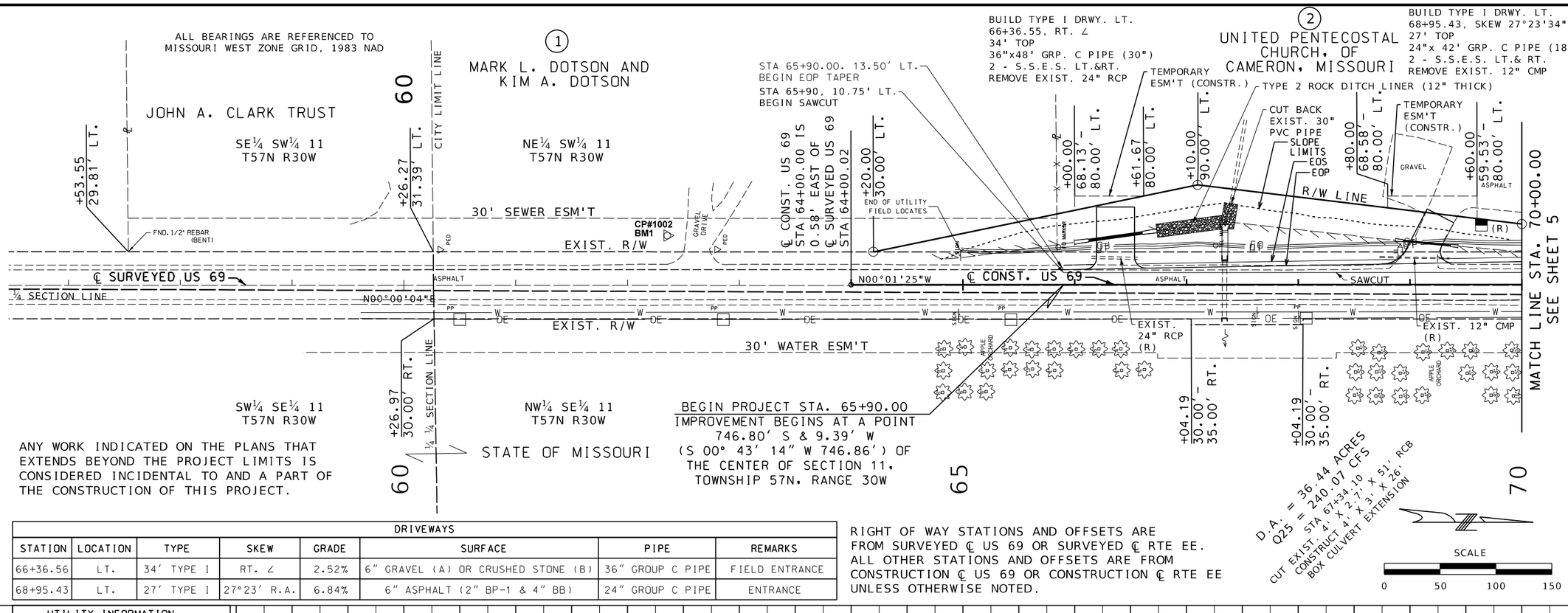
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.; Kansas City, MO 64158; (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873



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.

DRIVEWAYS							
STATION	LOCATION	TYPE	SKEW	GRADE	SURFACE	PIPE	REMARKS
66+36.56	LT.	34' TYPE I	RT. ∠	2.52%	6" GRAVEL (A) OR CRUSHED STONE (B)	36" GROUP C PIPE	FIELD ENTRANCE
68+95.43	LT.	27' TYPE I	27°23' R.A.	6.84%	6" ASPHALT (2" BP-1 & 4" BB)	24" GROUP C PIPE	ENTRANCE

RIGHT OF WAY STATIONS AND OFFSETS ARE FROM SURVEYED ℄ US 69 OR SURVEYED ℄ RTE EE. ALL OTHER STATIONS AND OFFSETS ARE FROM CONSTRUCTION ℄ US 69 OR CONSTRUCTION ℄ RTE EE UNLESS OTHERWISE NOTED.

UTILITY INFORMATION

Brightspeed
1120 South Tryon Street
Charlotte, NC 28203
(833) 363-2360

City of Cameron Electric Dept.
205 North Main
Cameron, MO 64429
(816) 632-2177

City of Cameron Sewer/Water
205 North Main
Cameron, MO 64429
(816) 632-2177

City of Cameron Street Dept.
101 East Second Street
Cameron, MO 64429
(816) 632-2177

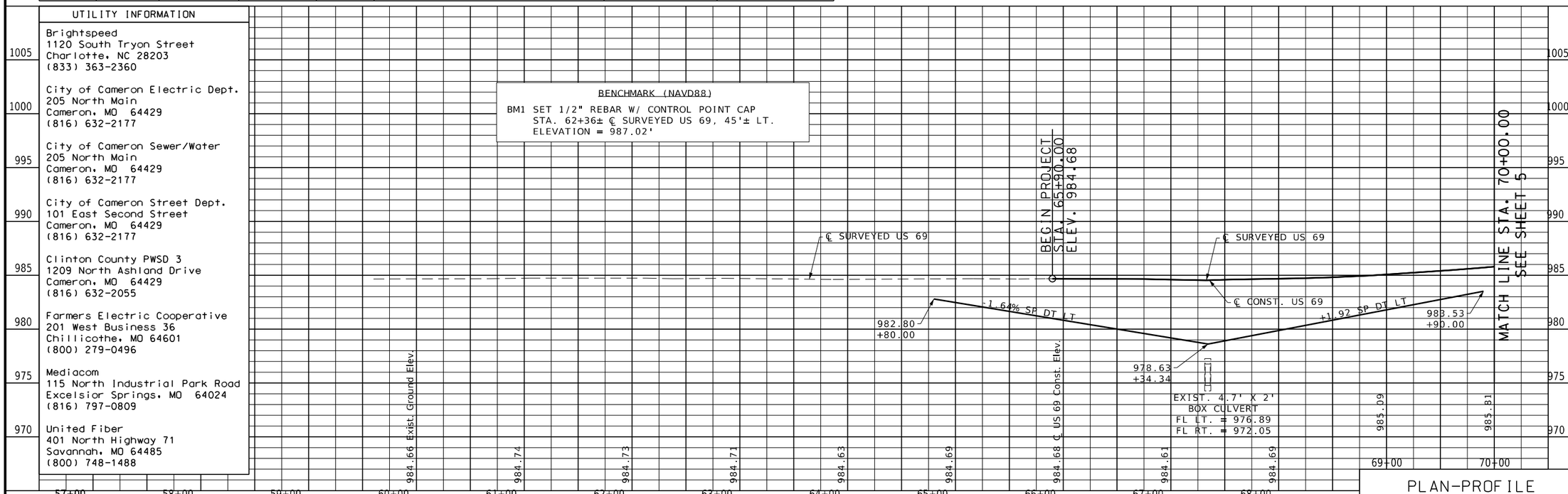
Clinton County PWSD 3
1209 North Ashland Drive
Cameron, MO 64429
(816) 632-2055

Farmers Electric Cooperative
201 West Business 36
Chillicothe, MO 64601
(800) 279-0496

Mediacom
115 North Industrial Park Road
Excelsior Springs, MO 64024
(816) 797-0809

United Fiber
401 North Highway 71
Savannah, MO 64485
(800) 748-1488

BENCHMARK (NAVD88)
BM1 SET 1/2" REBAR W/ CONTROL POINT CAP
STA. 62+36± ℄ SURVEYED US 69, 45'± LT.
ELEVATION = 987.02'



PLAN-PROFILE
SHEET 1 OF 3

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
3/4/2024	
ROUTE 69	STATE MO
DISTRICT NW	SHEET NO. 4
COUNTY DEKALB	
JOB NO. J1P3373	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

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

Hg Consult Inc engineers planners
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PRO. ENGINEER 2010005873

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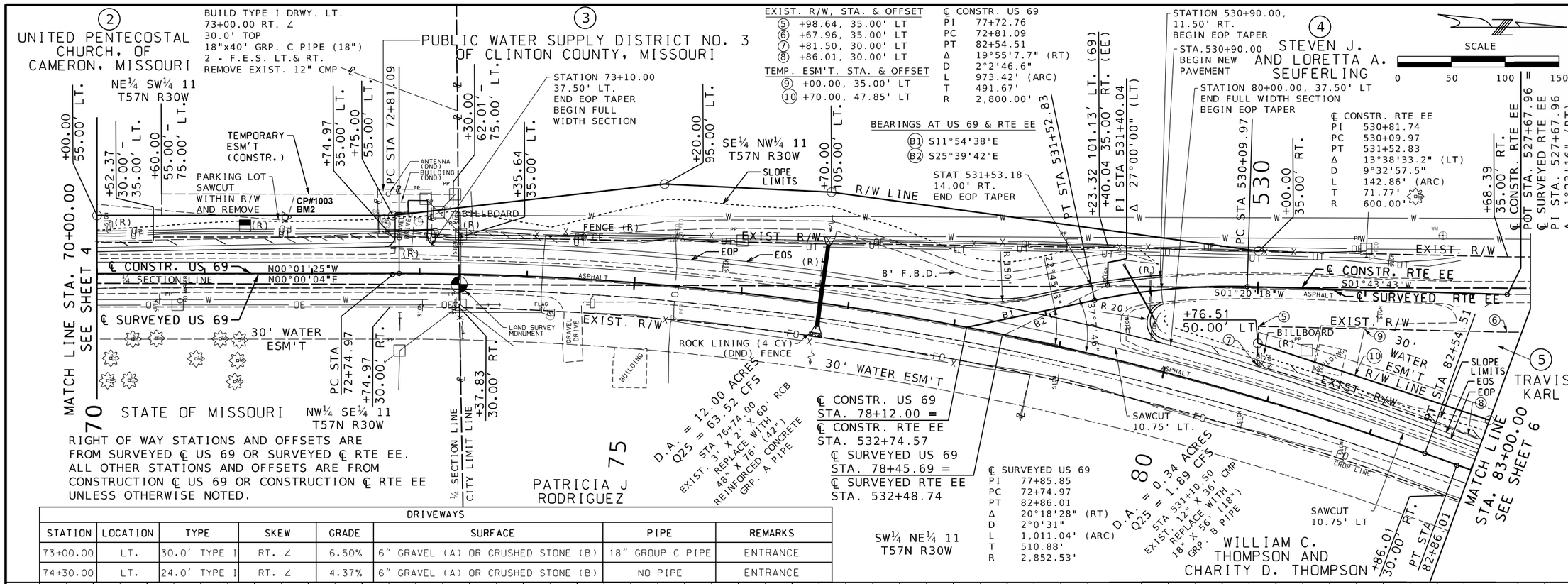
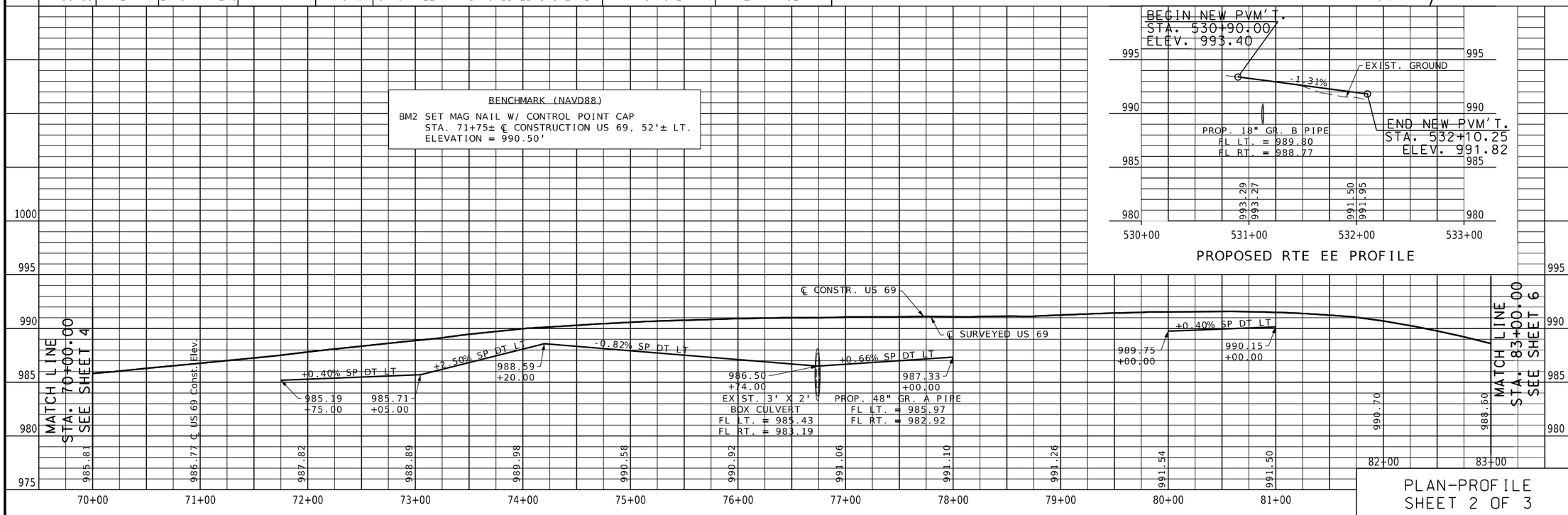


DRIVEWAYS							
STATION	LOCATION	TYPE	SKEW	GRADE	SURFACE	PIPE	REMARKS
73+00.00	LT.	30.0' TYPE I	RT. ∠	6.50%	6" GRAVEL (A) OR CRUSHED STONE (B)	18" GROUP C PIPE	ENTRANCE
74+30.00	LT.	24.0' TYPE I	RT. ∠	4.37%	6" GRAVEL (A) OR CRUSHED STONE (B)	NO PIPE	ENTRANCE

BENCHMARK (NAVD88)

BM2 SET MAG NAIL W/ CONTROL POINT CAP
STA. 71+75± ℄ CONSTRUCTION US 69, 52'± LT.
ELEVATION = 990.50'



PLAN-PROFILE
SHEET 2 OF 3

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

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DATE PREPARED	
3/4/2024	
ROUTE 69	STATE MO
DISTRICT NW	SHEET NO. 5
COUNTY DEKALB	
JOB NO. J1P3373	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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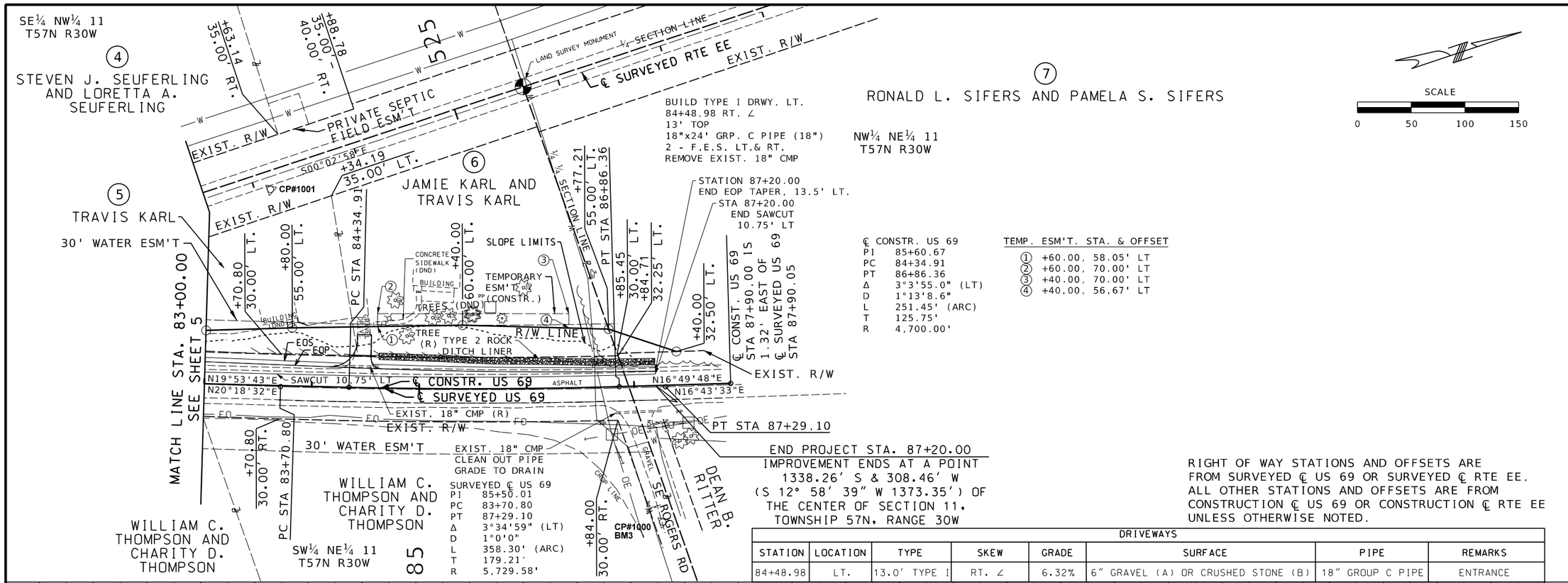

DRIVEWAYS

STATION	LOCATION	TYPE	SKEW	GRADE	SURFACE	PIPE	REMARKS
84+48.98	LT.	13.0' TYPE I	RT. ∠	6.32%	6" GRAVEL (A) OR CRUSHED STONE (B)	18" GROUP C PIPE	ENTRANCE

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ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	6

COUNTY DEKALB

JOB NO. J1P3373

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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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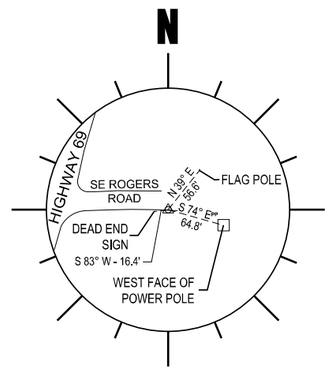
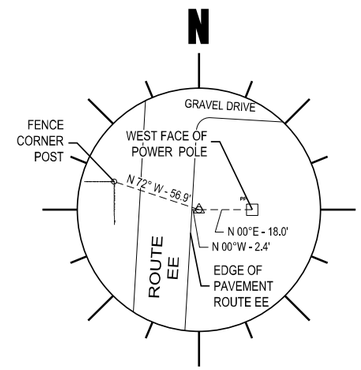
REV.

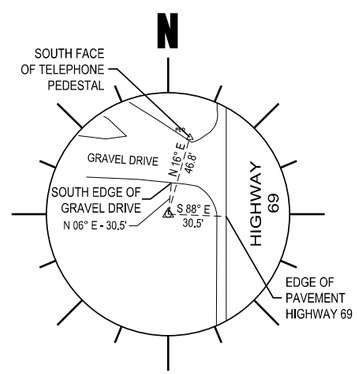
G:\Shared drives\Hg Projects (Yr 2021-2022)\2022\22.035 Route 69_EE Intersection Cameron (MoDOT)\Civil\Sheet_Files\006_PP_03_J1P3373_i50_Hwy69.dgn 1:12:57 PM 3/4/2024



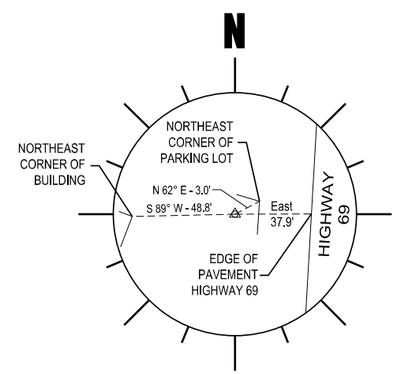
CP#1000/BM3
SET 1/2" REBAR W/ CONTROL POINT CAP
ELEVATION = 972.44



CP#1001
SET 1/2" REBAR W/ CONTROL POINT CAP
ELEVATION = 990.79



CP#1002/BM1
SET 1/2" REBAR W/ CONTROL POINT CAP
ELEVATION = 987.02



CP#1003/BM2
SET MAG NAIL W/ CONTROL POINT CAP
ELEVATION = 990.50

REFERENCE POINTS
SHEET 1 OF 1

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	7
COUNTY	DEKALB
JOB NO.	J1P3373
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)

Hg Consult inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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G:\Shared drives\Hg Projects (Yr 2021-2022)\2022\22.035 Route 69_EE Intersection Cameron (MoDOT)\Civil\Sheet_Files\007_RP_01_J1P3373_i1.dgn 1:13:01 PM 3/4/2024

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 MULTIPY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MISSOURI WEST ZONE, NAD 1983
HORIZONTAL DATUM	NAD83 (2011)
VERTICAL DATUM	NAVD88, U.S. FEET
GEOID MODEL	DEKALB COUNTY
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING; ADJ. BY NGS JUN '91
PROJECT PROJECTION FACTOR	1.00009461

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MABEL
DESIGNATION	MABEL
CORS_ID	N/A
PID	KE1283
LATITUDE	39°48'27.609"N
LONGITUDE	94°12'13.368"W
NORTHING (M)	404156.144
EASTING (M)	875370.429
ZONE	WEST
PROJECT AVERAGE GRID FACTOR	0.99990540

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 #1000
N 1312906.35 X 0.99990540 = N 1312782.15
E 2864105.68 X 0.99990540 = E 2863834.74

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
6	87+25.67	US-69	126.6' RT.	1312906.35	2864105.68	972.44	SET 1/2" REBAR W/ CONTROL POINT CAP	1000
6	83+59.27	US-69	183.0' LT.	1312658.48	2863696.45	990.79	SET 1/2" REBAR W/ CONTROL POINT CAP	1001
4	62+38.99	US-69	44.5' LT.	1310500.29	2863622.12	987.02	SET 1/2" REBAR W/ CONTROL POINT CAP	1002
5	71+78.68	US-69	53.2' LT.	1311439.98	2863613.39	990.50	SET MAG NAIL W/ CONTROL POINT CAP	1003
ALIGNMENTS								
4	65+90.00	US-69	0.00	1310854.73	2863666.66		BEGIN PROJECT SURVEYED ℄	
5	77+85.85	US-69	45.39' LT.	1312050.58	2863666.68		PI SURVEYED ℄	
6	85+50.01	US-69	2.80 RT.	1312777.29	2863935.63		PI SURVEYED ℄	
6	87+20.00	US-69	0.00	1312940.20	2863984.58		END PROJECT SURVEYED ℄	
4	65+90.00	US-69	0.00	1310854.75	2863665.99		BEGIN PROJECT CONSTRUCTION ℄	
5	77+72.76	US-69	42.84' LT.	1312037.51	2863665.50		PI CONSTRUCTION ℄	
6	85+60.67	US-69	1.68 RT.	1312787.72	2863937.00		PI CONSTRUCTION ℄	
6	87+20.00	US-69	0.00	1312940.29	2863983.15		END PROJECT CONSTRUCTION ℄	
5	527+67.96	RTE EE	0.00	1312576.58	2863685.20		PI SURVEYED ℄	
5	531+40.04	RTE EE	0.00	1312204.60	2863676.51		PI SURVEYED ℄	
5	532+48.74	RTE EE	0.00	1312106.62	2863723.59		℄ TIE WITH SURVEYED ℄ US 69	
5	527+67.96	RTE EE	0.00	1312576.58	2863685.20		PI CONSTRUCTION ℄	
5	530+81.74	RTE EE	4.28 RT.	1312262.95	2863675.73		PI CONSTRUCTION ℄	
5	532+74.57	RTE EE	0.00	1312073.60	2863715.67		℄ TIE WITH CONSTRUCTION ℄ US 69	

COORDINATE POINTS
SHEET 1 OF 1

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 3/4/2024

ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	8

COUNTY DEKALB
JOB NO. J1P3373
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)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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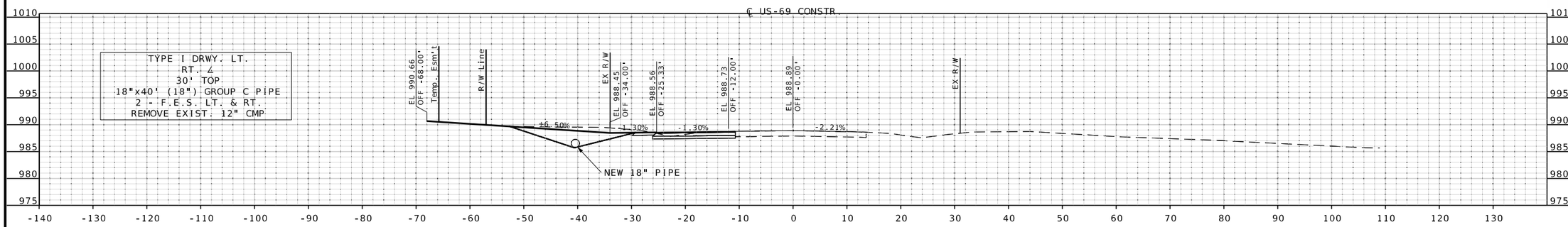

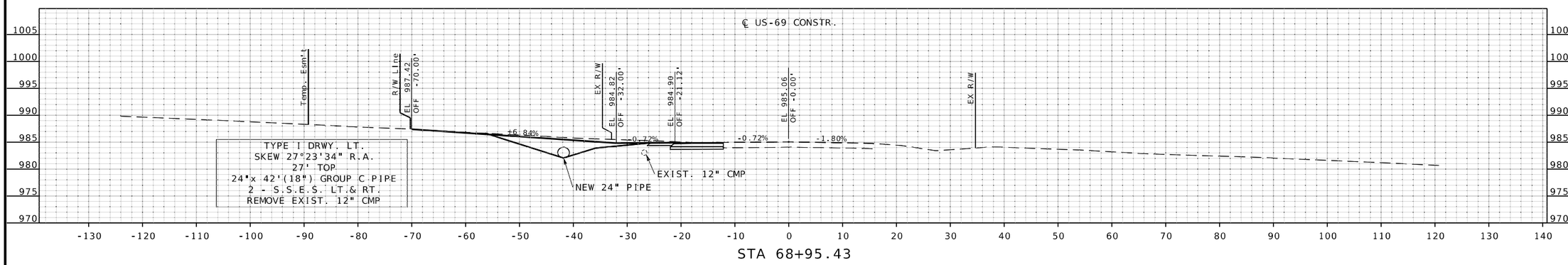

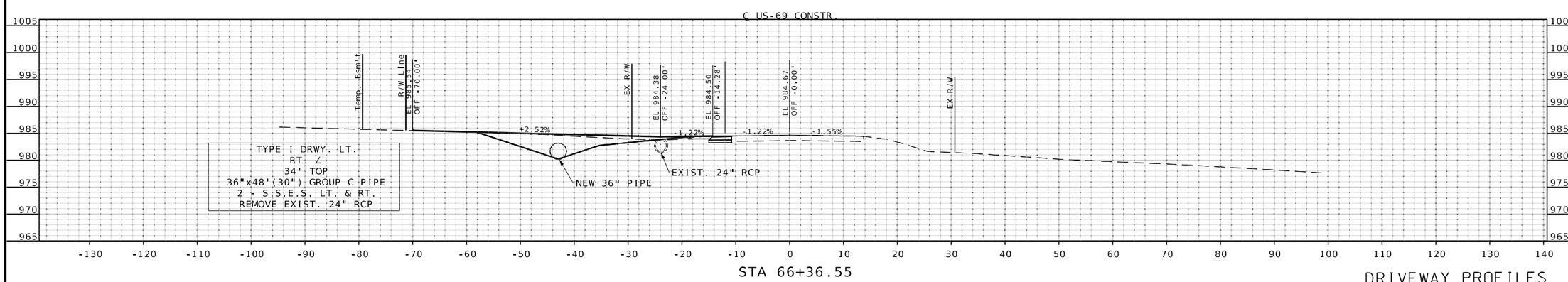

DRIVEWAY PROFILES
SPECIAL SHEET 1 OF 3

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
3/4/2024

ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	9

COUNTY
DEKALB

JOB NO.
J1P3373

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)

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PRO. ENGINEER 2010005873

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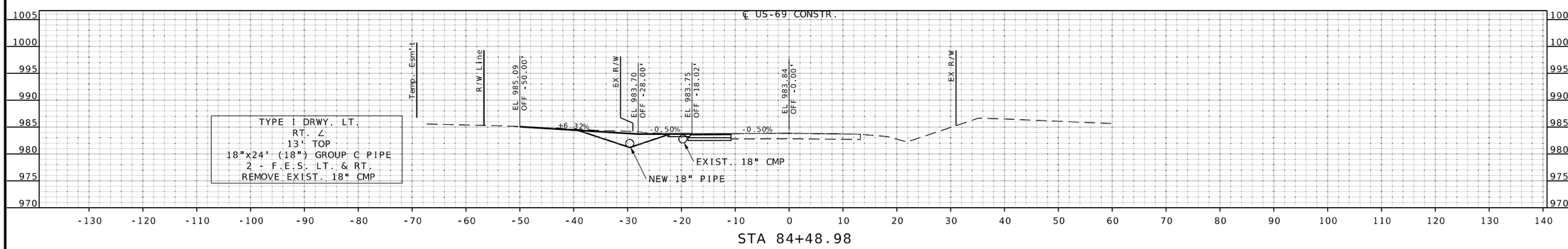

DRIVEWAY PROFILES
SPECIAL SHEET 2 OF 3

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
3/4/2024	
ROUTE 69	STATE MO
DISTRICT NW	SHEET NO. 10
COUNTY DEKALB	
JOB NO. J1P3373	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

Hg Consult inc engineers planners
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PRO. ENGINEER 2010005873

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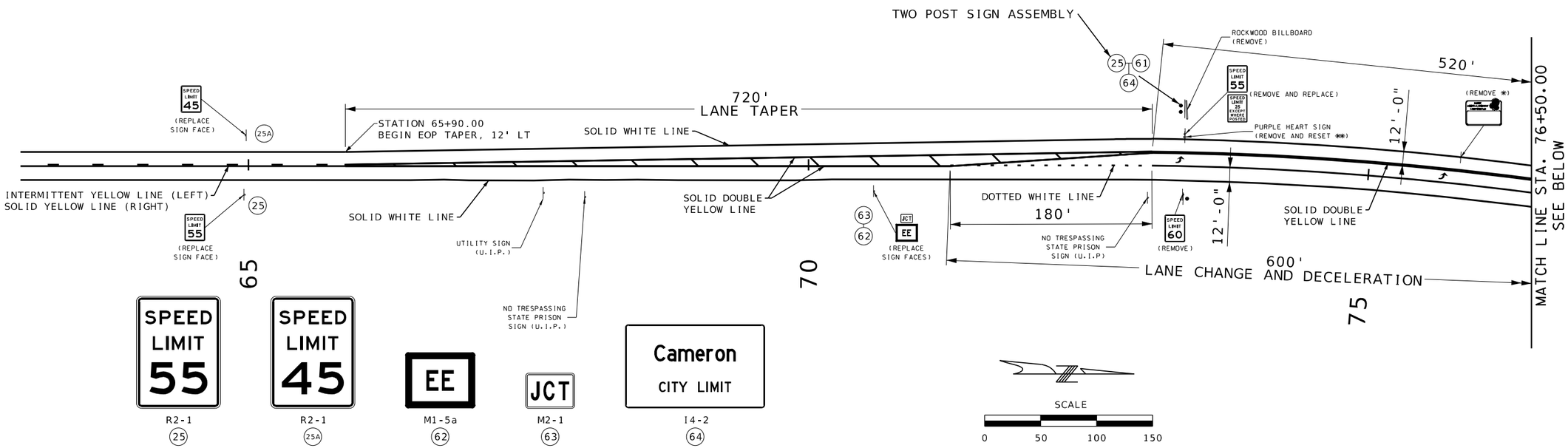
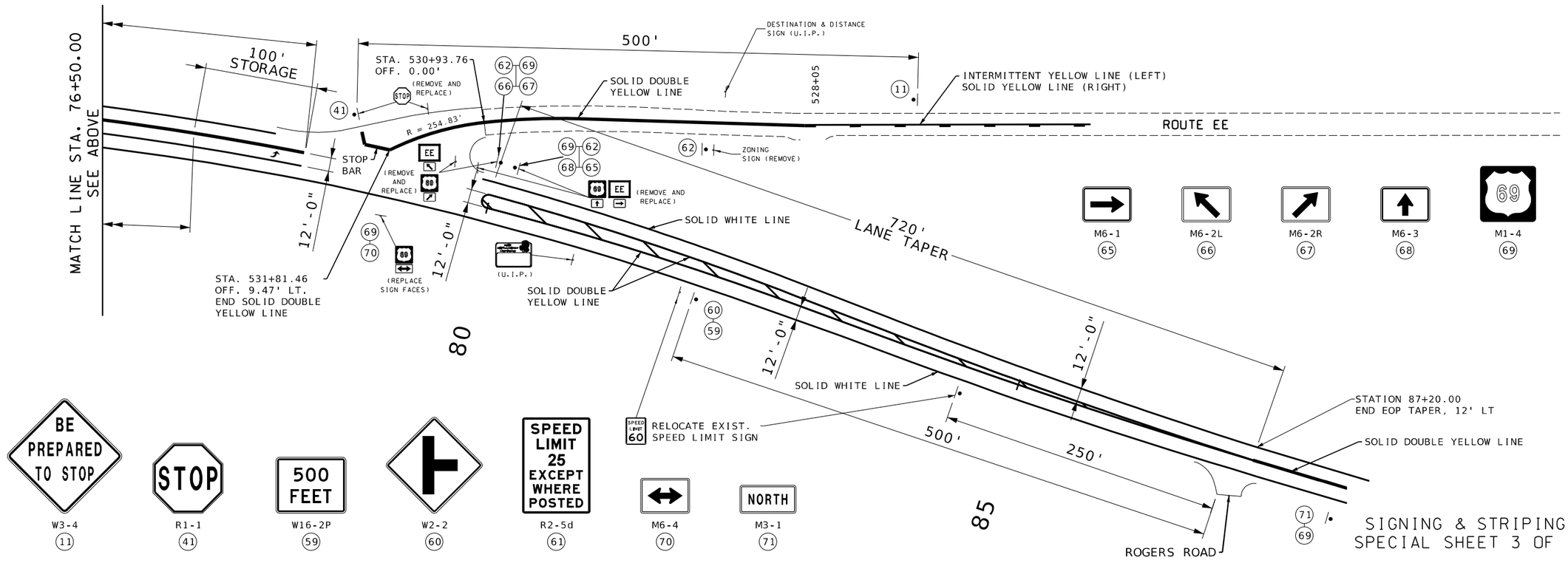
* IF ANY ADOPT-A-HIGHWAY SIGN HAS THE "AVAILABLE CALL 888-ASK-MODOT", REMOVE SIGN AND DO NOT REPLACE. OTHERWISE REPLACE AS-IS.

** PURPLE HEART SIGN SHOULD BE ON ITS OWN POST TO THE RIGHT OF CITY LIMIT ASSEMBLY; OR DOWNSTREAM IF NOT POSSIBLE.





SIGNING & STRIPING
SPECIAL SHEET 3 OF 3

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	1.1
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 2010005873

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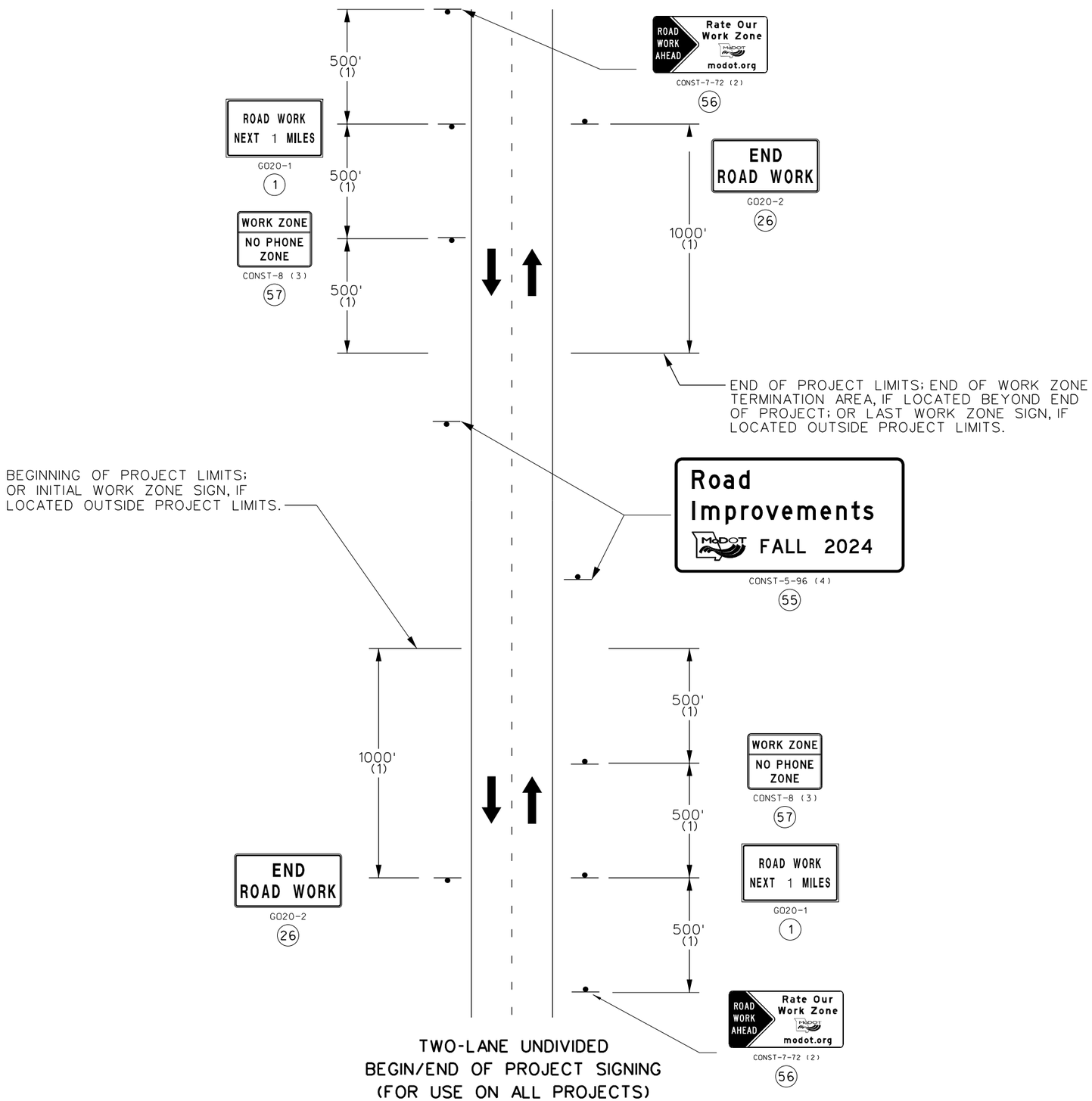

TWO-LANE UNDIVIDED
BEGIN/END OF PROJECT SIGNING
(FOR USE ON ALL PROJECTS)

NOTES:

SIGN G020-1 IS REQUIRED.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

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

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA. ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT 1 MILE SIGN WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) THE "WORK ZONE NO PHONE ZONE "SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

(4) CONST-5-96 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-7-72.

TRAFFIC CONTROL PLAN
BEGIN / END PROJECT
SHEET 1 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	1-2
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

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

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PRO. ENGINEER 2010005873

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REV.

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NOTES:

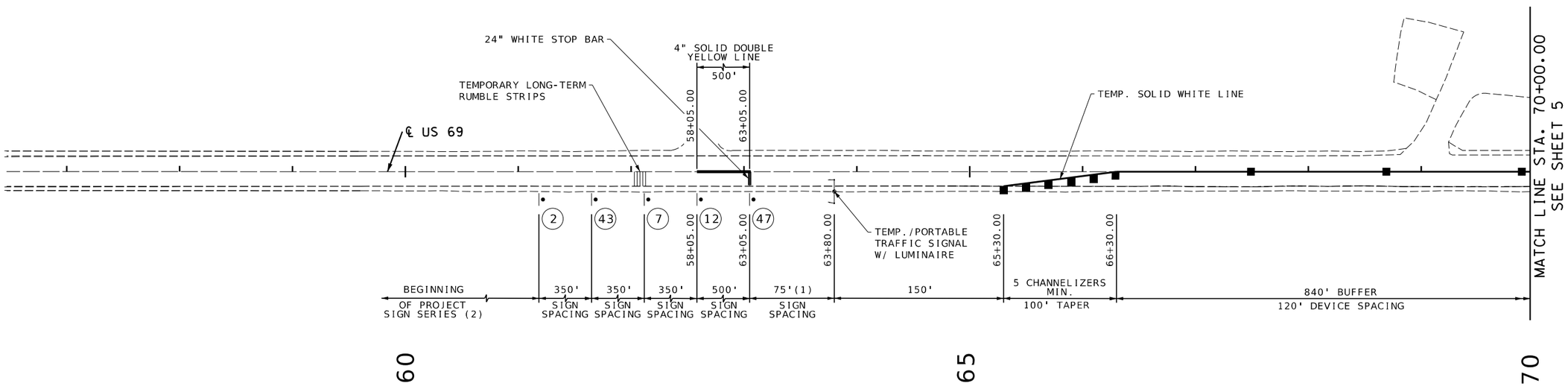
ANY EXISTING SIGNING OR PAVEMENT MARKING THAT CONFLICTS WITH THE TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED.

(1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40'-150'.

(2) SEE TRAFFIC CONTROL PLAN SHEET 1 FOR DETAILS.

SCALE

0 50 100 150

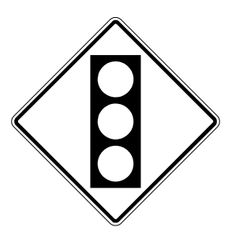


WO20-1

2

WO20-4

7



WO3-3

12

WO5-1

43

R10-6L

47

TRAFFIC CONTROL PLAN
ONE-LANE, TWO-WAY TRAFFIC (SIGNAL)
NORTHBOUND LANE CLOSED
SHEET 2 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 3/4/2024

ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	13

COUNTY: DEKALB

JOB NO.: J1P3373

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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NOTES:

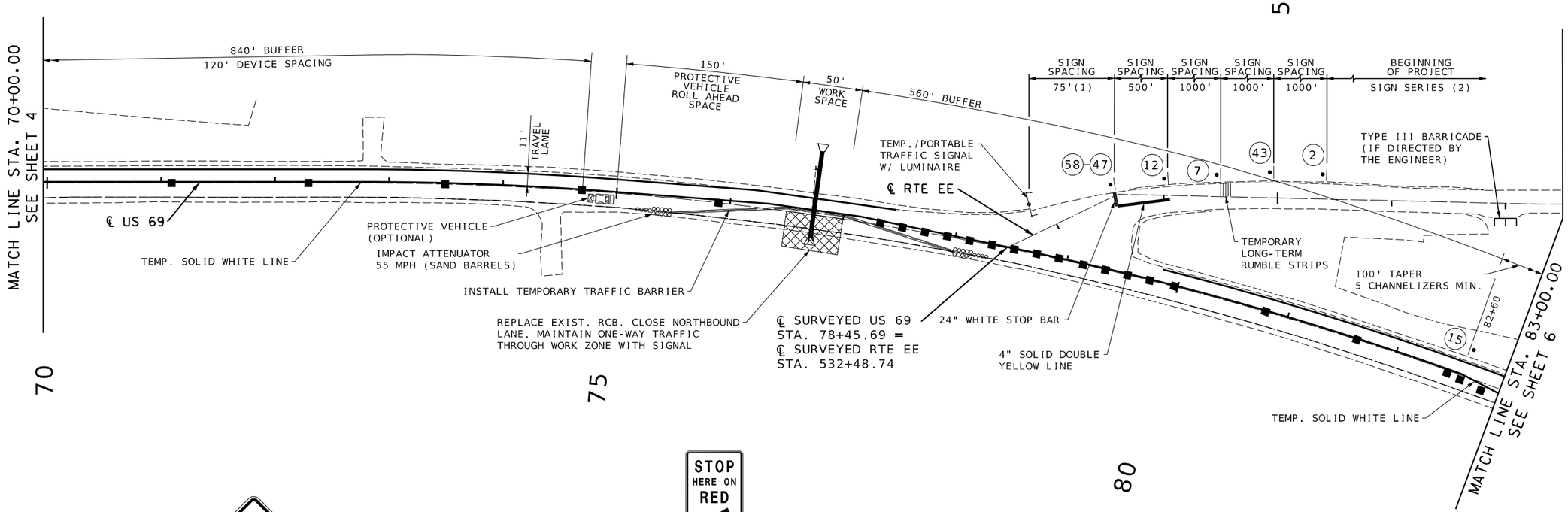
ANY EXISTING SIGNING OR PAVEMENT MARKING THAT CONFLICTS WITH THE TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED.

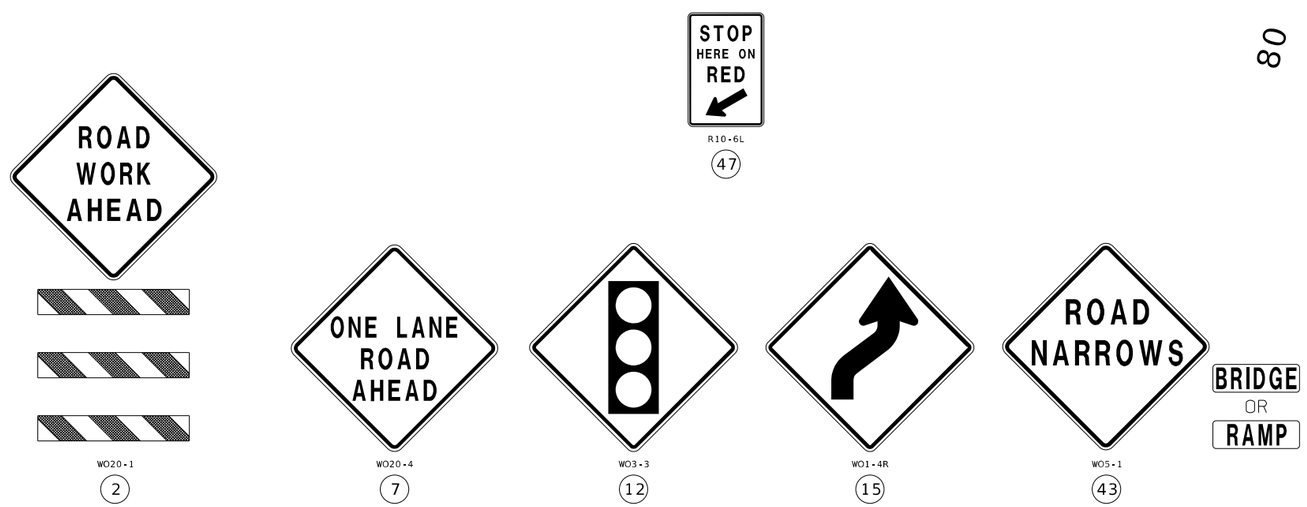
(1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40'-150'.

(2) SEE TRAFFIC CONTROL PLAN SHEET 1 FOR DETAILS.

SCALE

0 50 100 150





TRAFFIC CONTROL PLAN
ONE-LANE, TWO WAY TRAFFIC (SIGNAL)
NORTHBOUND LANE CLOSED
SHEET 3 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE 69	STATE MO
DISTRICT NW	SHEET NO. 1-4
COUNTY DEKALB	
JOB NO. J1P3373	
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)

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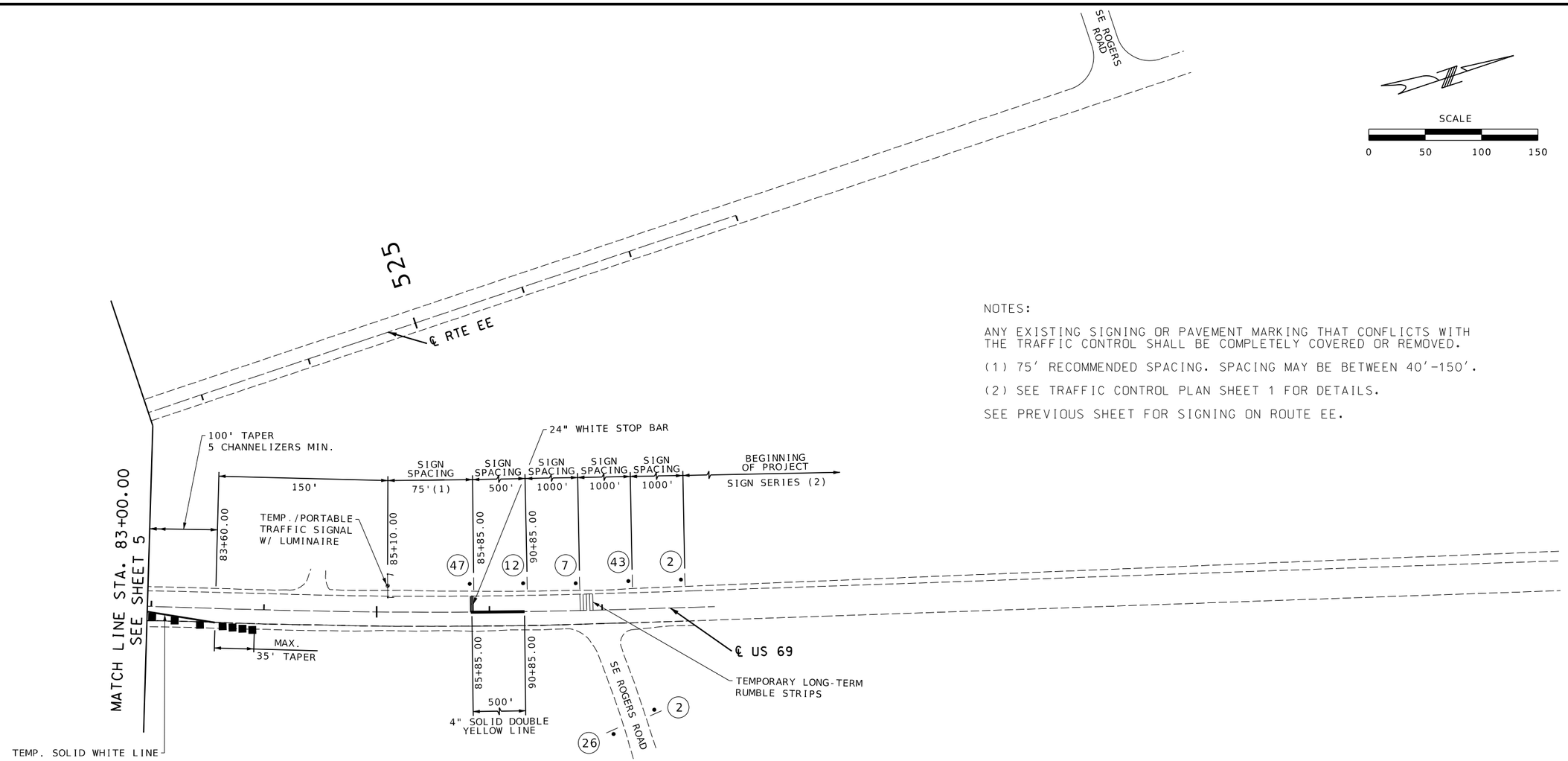


SCALE

0 50 100 150

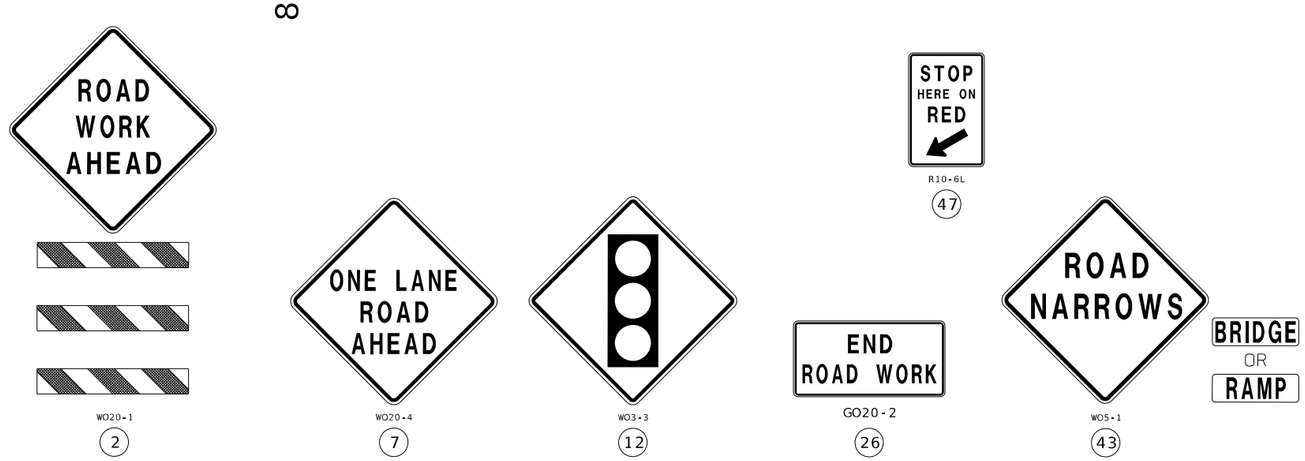
NOTES:

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

(1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40'-150'.

(2) SEE TRAFFIC CONTROL PLAN SHEET 1 FOR DETAILS.

SEE PREVIOUS SHEET FOR SIGNING ON ROUTE EE.



TRAFFIC CONTROL PLAN
ONE-LANE, TWO WAY TRAFFIC (SIGNAL)
NORTHBOUND LANE CLOSED
SHEET 4 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	15
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

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

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

Hg Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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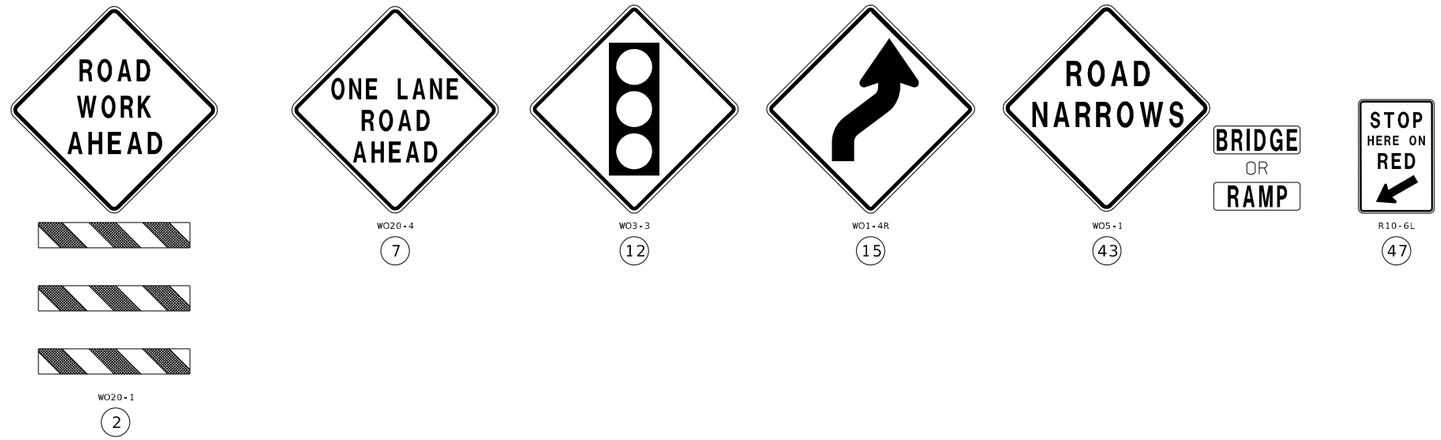
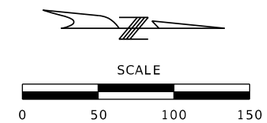
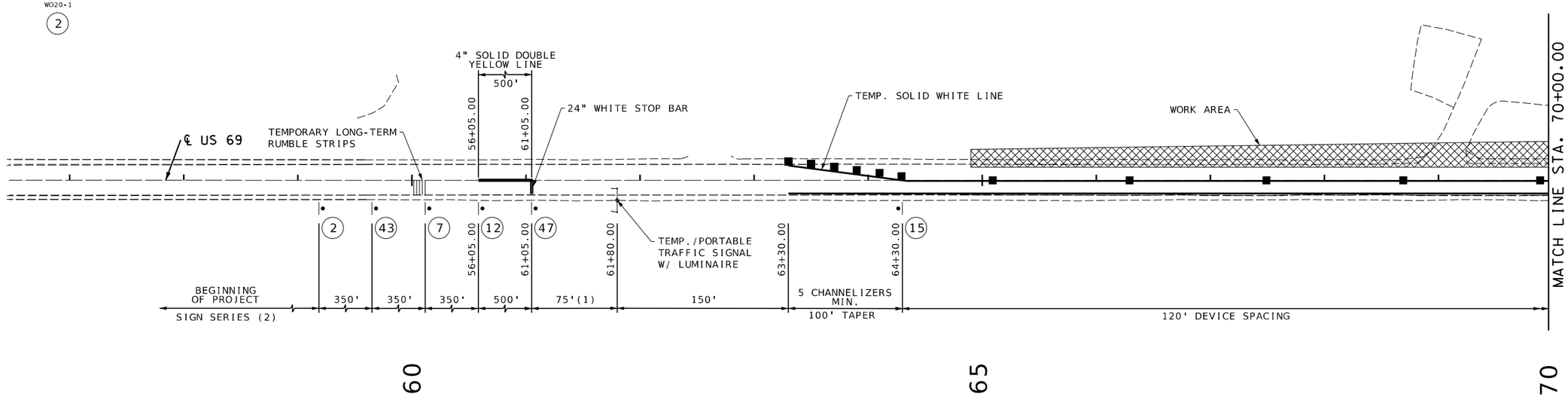




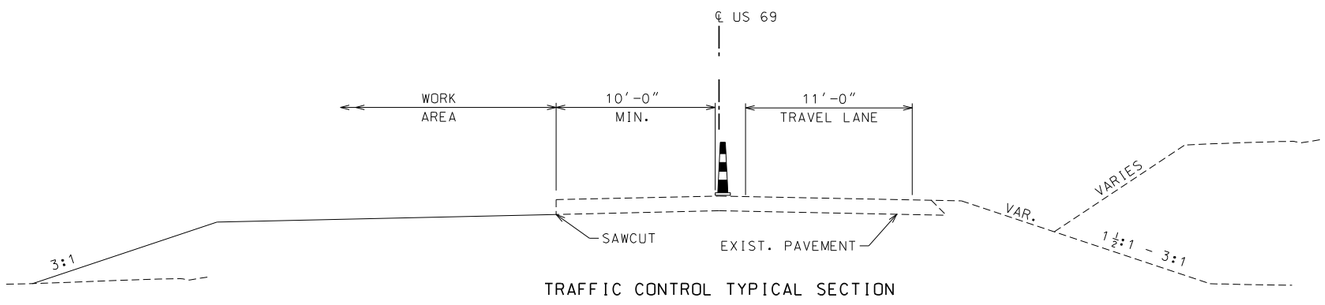


NOTES:

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

(1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40'-150'.

(2) SEE TRAFFIC CONTROL PLAN SHEET 1 FOR DETAILS.



TRAFFIC CONTROL TYPICAL SECTION

ONE-LANE (TWO-WAY TRAFFIC)
SOUTHBOUND LANE CLOSED

TRAFFIC CONTROL PLAN
ONE-LANE, TWO-WAY TRAFFIC (SIGNAL)
SOUTHBOUND LANE CLOSED
SHEET 5 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	16
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 2010005873

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NOTES:

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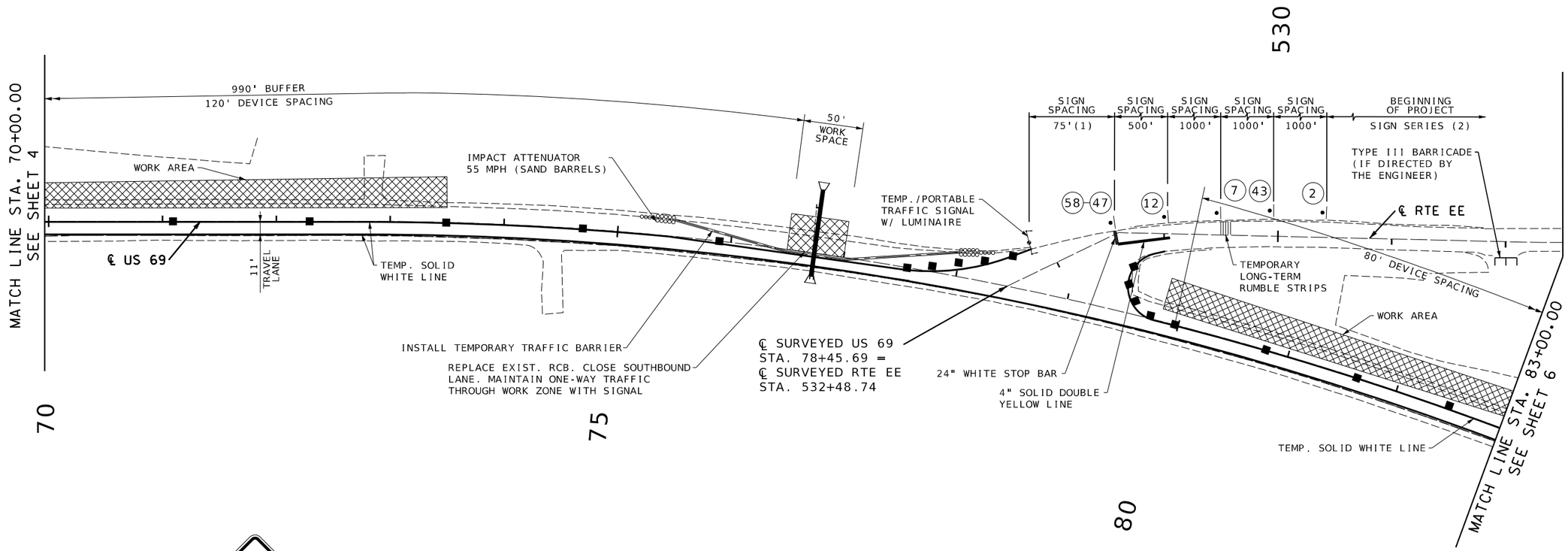
(1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40'-150'.

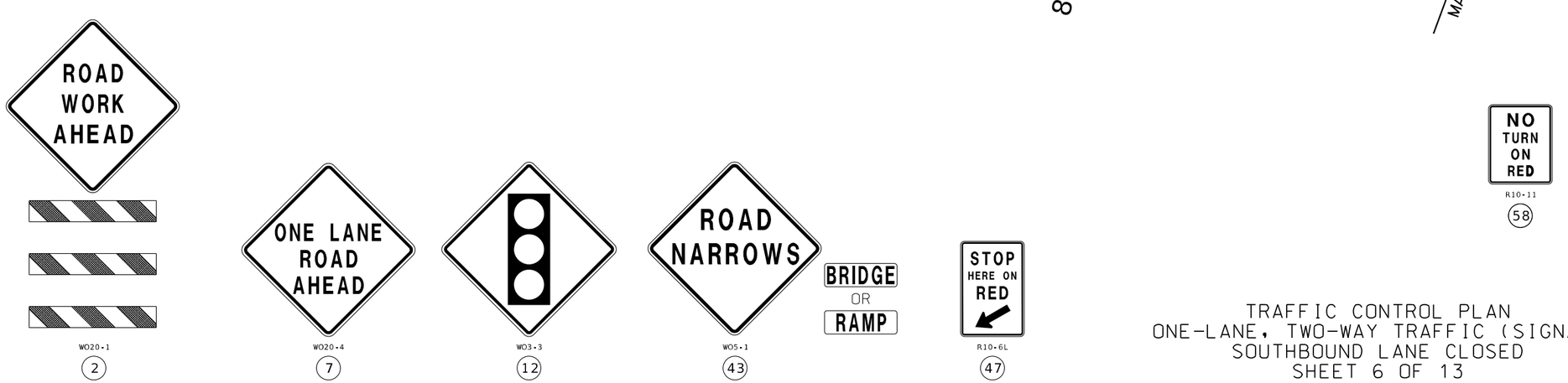
(2) SEE TRAFFIC CONTROL PLAN SHEET 1 FOR DETAILS.

ROUTE EE TO BE CLOSED DURING THIS PHASE TO REPLACE THE CULVERT UNDER ROUTE EE AND REBUILD THE INTERSECTION WITH US-69. SEE THE TEMPORARY ROAD CLOSURE SHEET OF THE TRAFFIC CONTROL PLANS FOR ADDITIONAL DETAILS.

SCALE

0 50 100 150





TRAFFIC CONTROL PLAN
ONE-LANE, TWO-WAY TRAFFIC (SIGNAL)
SOUTHBOUND LANE CLOSED
SHEET 6 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	17
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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NOTES:

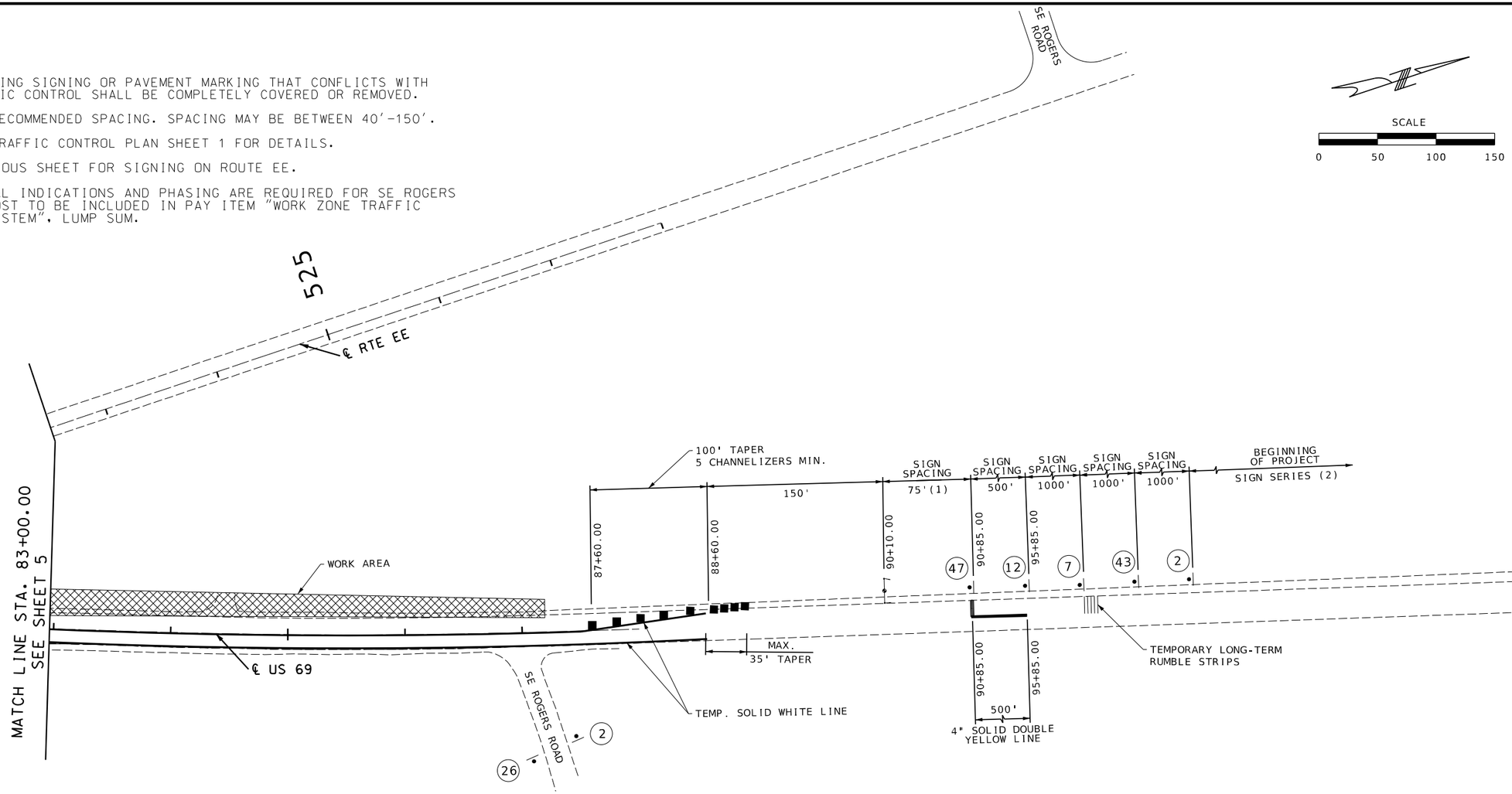
ANY EXISTING SIGNING OR PAVEMENT MARKING THAT CONFLICTS WITH THE TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED.

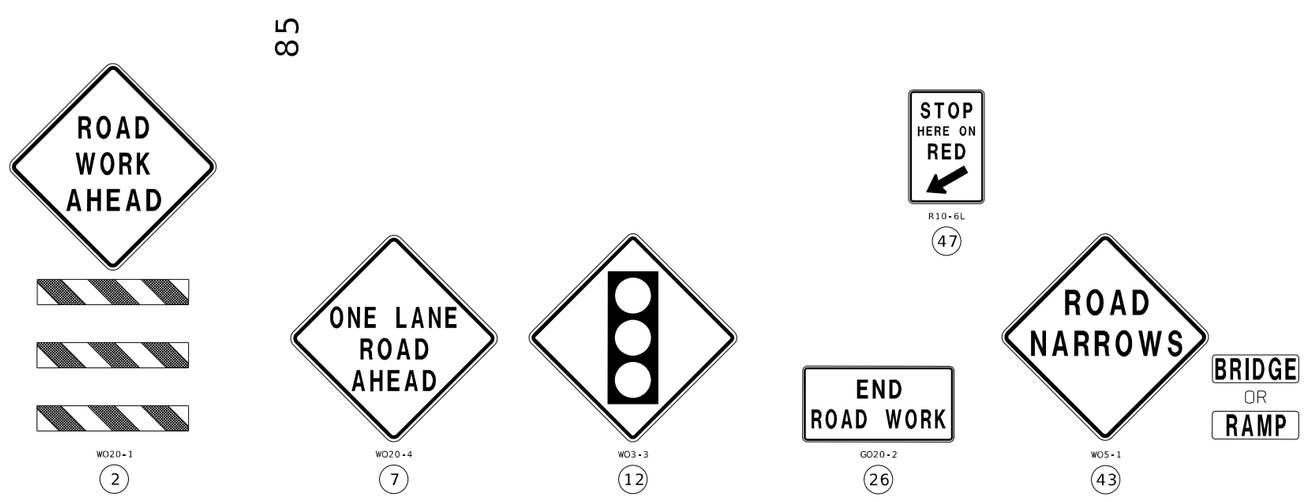
(1) 75' RECOMMENDED SPACING. SPACING MAY BE BETWEEN 40'-150'.

(2) SEE TRAFFIC CONTROL PLAN SHEET 1 FOR DETAILS.

SEE PREVIOUS SHEET FOR SIGNING ON ROUTE EE.

ADDITIONAL INDICATIONS AND PHASING ARE REQUIRED FOR SE ROGERS ROAD. COST TO BE INCLUDED IN PAY ITEM "WORK ZONE TRAFFIC SIGNAL SYSTEM", LUMP SUM.





TRAFFIC CONTROL PLAN
ONE-LANE, TWO-WAY TRAFFIC (SIGNAL)
SOUTHBOUND LANE CLOSED
SHEET 7 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	18
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Hg Consult Inc engineers planners
7733 N. Wallace Ave.t Kansas City, MO 64158t (816)256-5153
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PRO. ENGINEER 2010005873

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NOTES:

(1) SIGNING AND PAVEMENT MARKING IDENTICAL ON ALL APPROACHES.

(2) NON-INSTRUSIVE DETECTION IS PREFERRED. HOWEVER, IF OTHER VEHICLE INTERFERENCE IS PRESENT (I.E. PARKING LOTS OR SIDE ROAD ACTIVITY), THEN OTHER DETECTION METHODS MAY BE USED.

IF SIDE ROADS OR DRIVEWAYS OCCUR WITHIN THE LIMITS OF THE STOP BARS, ADDITIONAL INDICATIONS AND PHASING ARE REQUIRED. FUTHERMORE, RIGHT TURNS SHALL BE PROHIBITED FROM THESE ACCESS POINTS DURING THE RED INTERVAL.

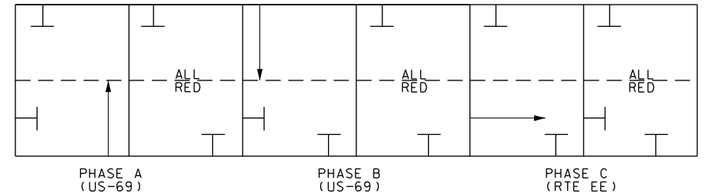
(3) FLARE BARRIER TO EXTEND BEYOND CLEAR ZONE OR FLARE BARRIER TO EDGE LINE AND USE APPROVED END TREATMENT.

TEMPORARY TRAFFIC CONTROL SIGNALS SHALL MEET THE PHYSICAL DISPLAY AND OPERATIONAL REQUIREMENTS OF CONVENTIONAL TRAFFIC CONTROL SIGNALS.

TEMPORARY TRAFFIC CONTROL SIGNAL TIMING SHALL BE ESTABLISHED BY AUTHORIZED OFFICIALS. DURATIONS OF RED CLEARANCE INTERVALS SHALL BE ADEQUATE TO CLEAR THE ONE LANE SECTION OF CONFLICTING VEHICLES.

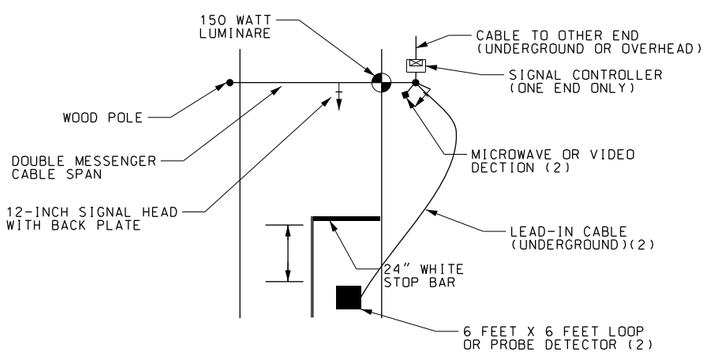
WHEN THE TEMPORARY TRAFFIC CONTROL SIGNALS ARE CHANGED TO THE FLASHING MODE, EITHER MANUALLY OR AUTOMATICALLY, RED SIGNAL INDICATIONS SHALL BE FLASHED TO THE APPROACHES.

STOP LINES SHALL BE INSTALLED WITH TEMPORARY TRAFFIC CONTROL SIGNALS FOR INTERMEDIATE AND LONG-TERM CLOSURES. EXISTING CONFLICTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS BETWEEN THE ACTIVITY AREA AND THE STOP LINE SHALL BE REMOVED. AFTER THE TEMPORARY TRAFFIC CONTROL SIGNAL IS REMOVED, THE STOP LINES AND OTHER TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND THE PERMANENT PAVEMENT MARKINGS RESTORED.

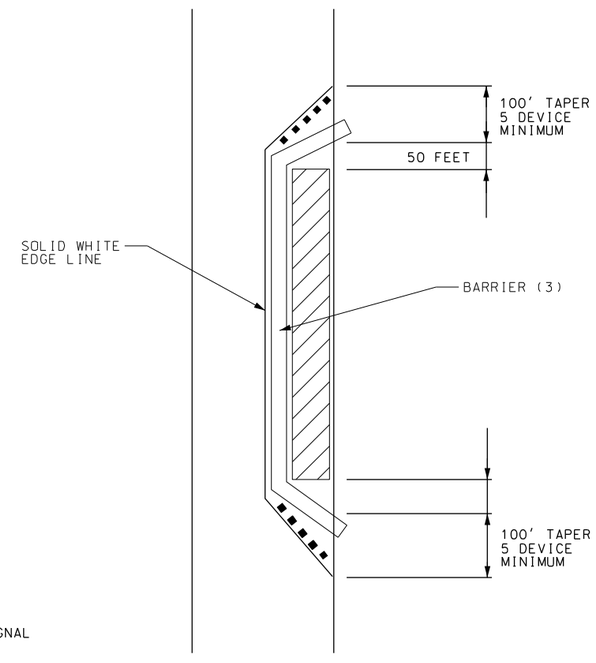


ALL VEHICLE PHASES SHALL ALWAYS BE FOLLOWED BY AN ALL RED PHASE OR INTERVAL.

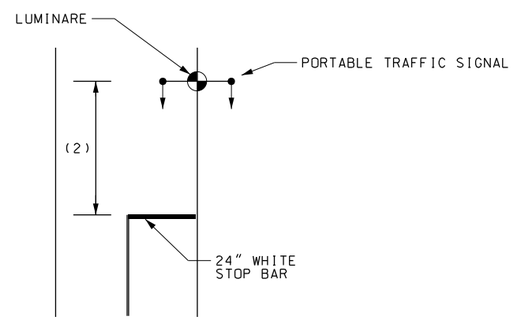
SIGNALS SHALL REST IN ALL RED WHEN THERE ARE NO VEHICLE CALLS.



TEMPORARY TRAFFIC SIGNAL DETAIL (1)



TEMPORARY TRAFFIC SIGNAL DETAIL WITH BARRIER (1)



PORTABLE TRAFFIC SIGNAL DETAIL (1)

TRAFFIC CONTROL
TEMPORARY TRAFFIC SIGNALS
TEMPORARY BARRIER DETAIL
SHEET 8 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	19
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

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

Hg Consult Inc engineers planners
7733 N. Wallace Ave. | Kansas City, MO 64158 | (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

NOTES:

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(1) SEE TRAFFIC CONTROL PLAN SHEET 1 FOR DETAILS.

SCALE

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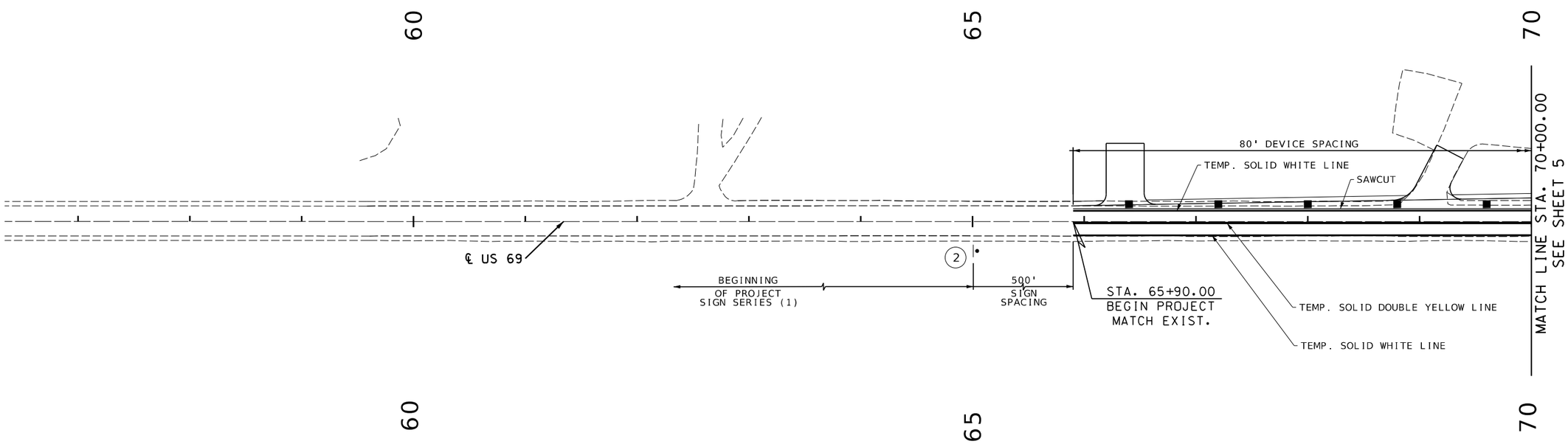

W020-1

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TRAFFIC CONTROL PLAN
WORK NEAR SHOULDER
TWO-WAY TRAFFIC
SHEET 9 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	20
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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JEFFERSON CITY, MO 65102
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7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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NOTES:

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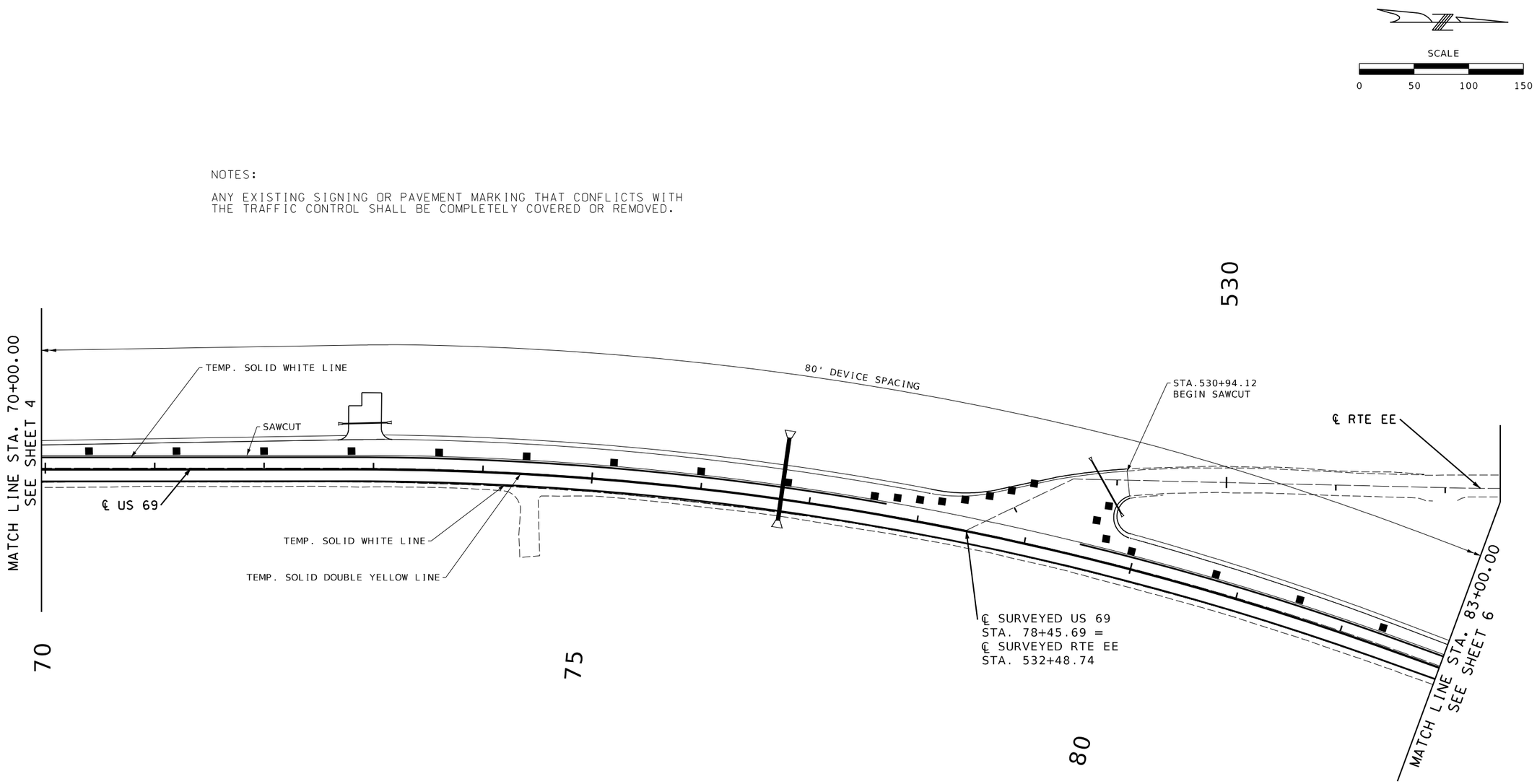

TRAFFIC CONTROL PLAN
WORK NEAR SHOULDER
TWO-WAY TRAFFIC
SHEET 10 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

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DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	21
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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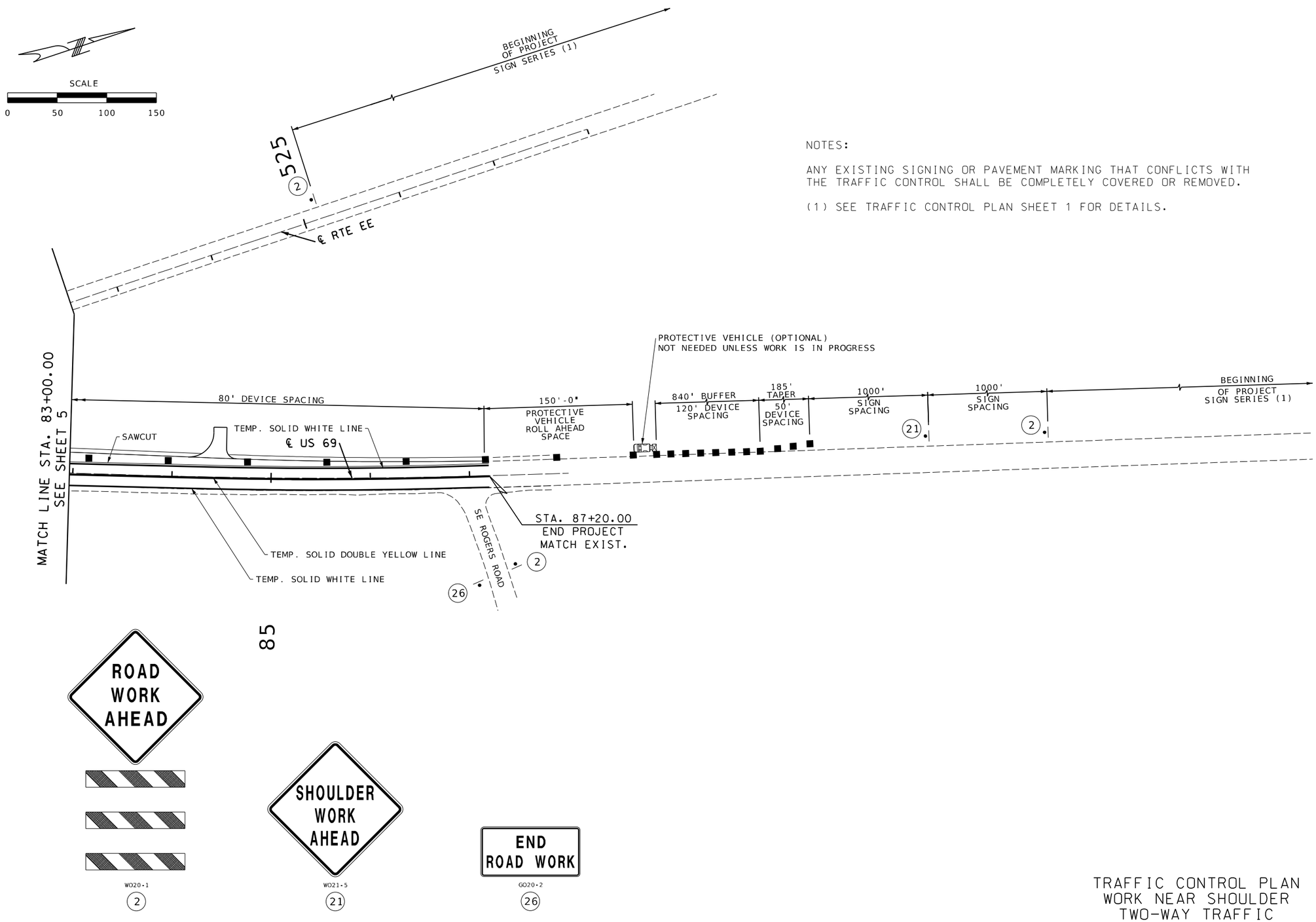

NOTES:

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(1) SEE TRAFFIC CONTROL PLAN SHEET 1 FOR DETAILS.

TRAFFIC CONTROL PLAN
WORK NEAR SHOULDER
TWO-WAY TRAFFIC
SHEET 11 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
3/4/2024	
ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	22
COUNTY	
DEKALB	
JOB NO.	
J1P3373	
CONTRACT ID.	
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PROJECT NO.	
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BRIDGE NO.	
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DESCRIPTION	DATE
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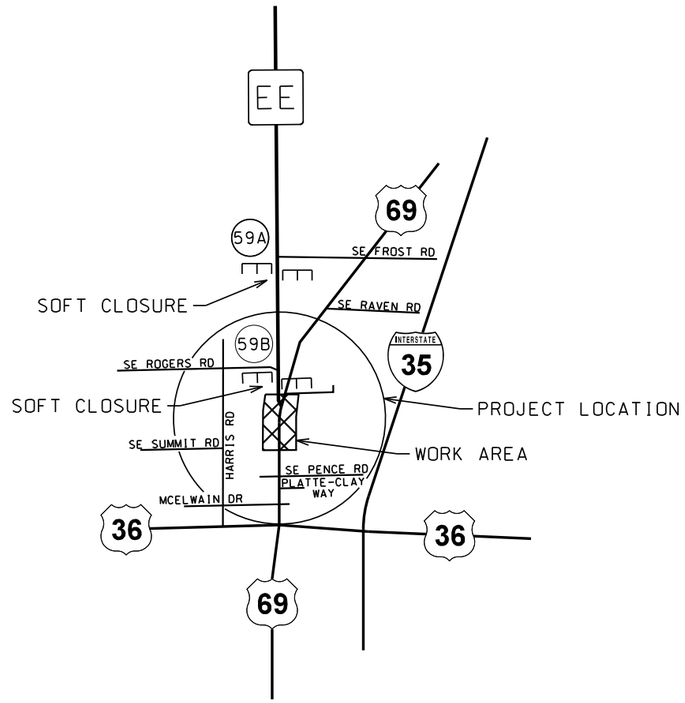
LEGEND:

- SIGN (SINGLE SIDED)
- E TYPE III MOVEABLE BARRICADE (TWO TYPE B WARNING LIGHTS PER BARRICADE)

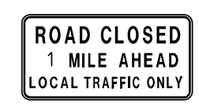
NOT TO SCALE



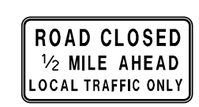
W020-3
48" x 48"
20

W020-3a
48" x 48"
20A

R11-2
48" x 30"
29



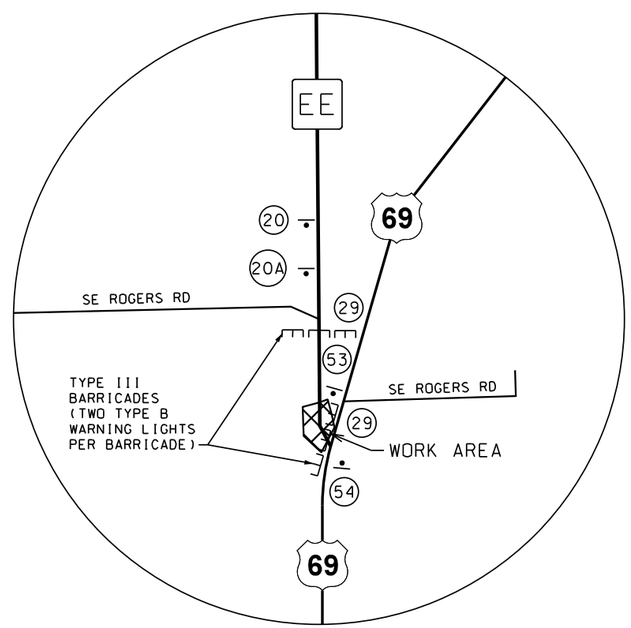
R11-3a
60" x 30"
59A



R11-3a
60" x 30"
59B

R3-2
54

R3-1
53



PROJECT LOCATION

TRAFFIC CONTROL PLAN
TEMPORARY ROAD CLOSURE
SHEET 12 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

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DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	23
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	.
PROJECT NO.	.
BRIDGE NO.	.

DATE	DESCRIPTION
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PRO. ENGINEER 2010005873

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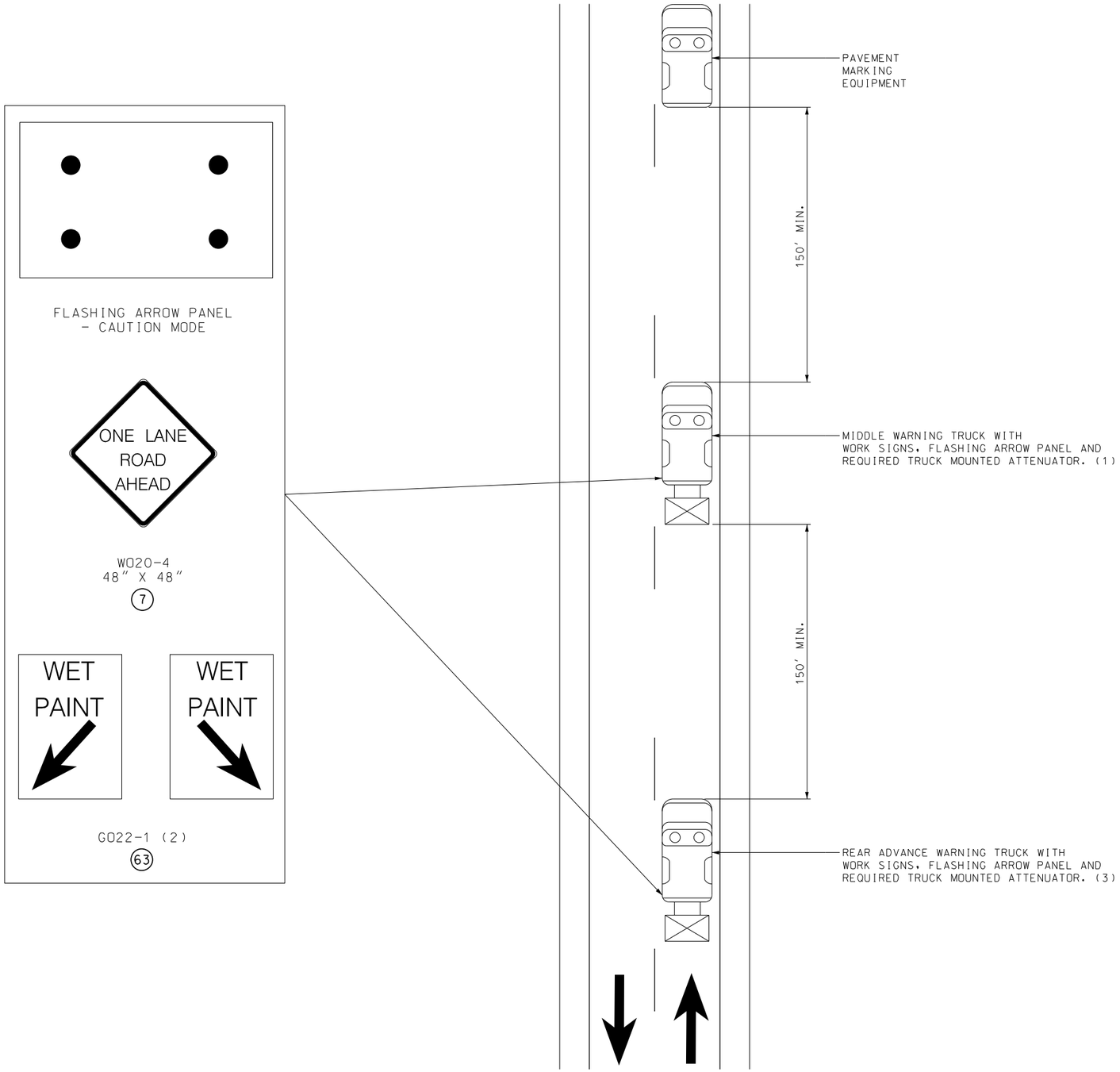
NOT TO SCALE



CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

NOTES:

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

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

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

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

FLASHING ARROW PANELS AND TRUCK MOUNTED ATTENUATORS SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK, WHEREVER USED. NO DIRECT PAYMENT WILL BE MADE.

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

(2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

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

TRAFFIC CONTROL PLAN
STRIPING OPERATION
SHEET 13 OF 13

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
3/4/2024	
ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	24
COUNTY	
DEKALB	
JOB NO.	
J1P3373	
CONTRACT ID.	
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PROJECT NO.	
.	
BRIDGE NO.	
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DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult Inc engineers planners
7733 N. Wallace Ave.: Kansas City, MO 64158: (816)256-5153
Hg CONSULT, INC.
PRO. ENGINEER 2010005873

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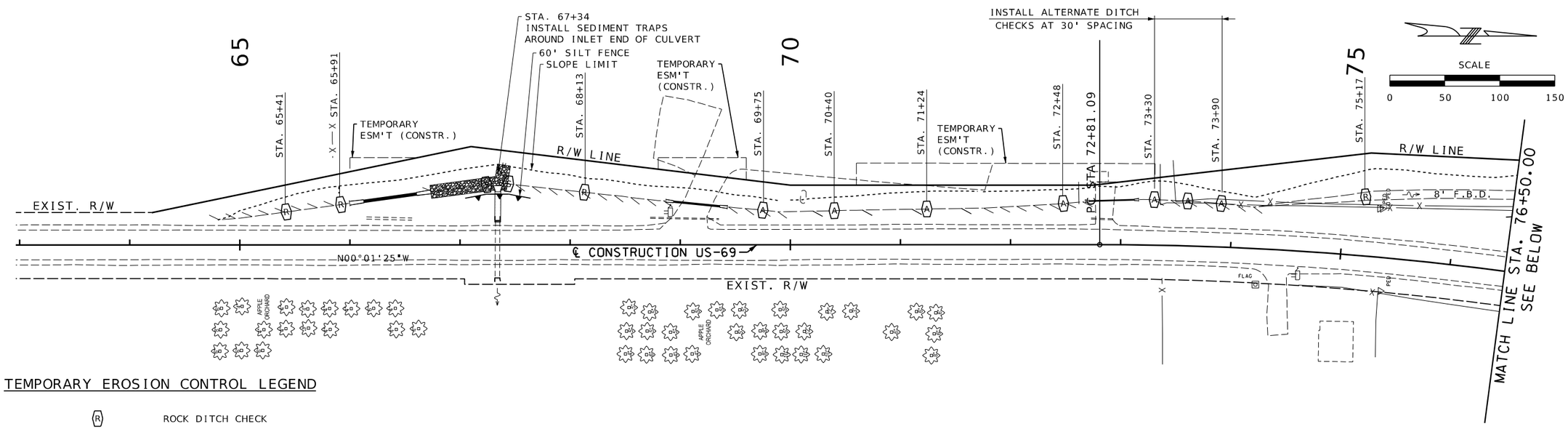
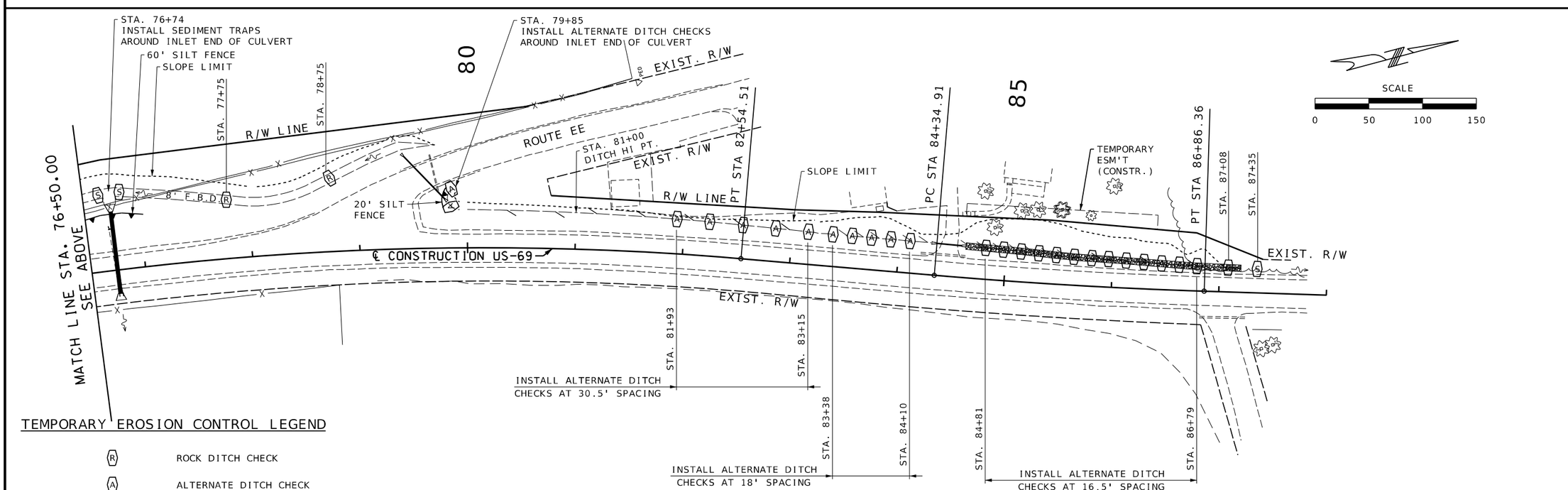


TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (A) ALTERNATE DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE



TEMPORARY EROSION CONTROL LEGEND

- (R) ROCK DITCH CHECK
- (A) ALTERNATE DITCH CHECK
- (S) SEDIMENT TRAP
- SILT FENCE

EROSION CONTROL PLAN
SHEET 1 OF 1

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
3/4/2024	
ROUTE 69	STATE MO
DISTRICT NW	SHEET NO. 25
COUNTY DEKALB	
JOB NO. J1P3373	
CONTRACT ID. .	
PROJECT NO. .	
BRIDGE NO. .	

DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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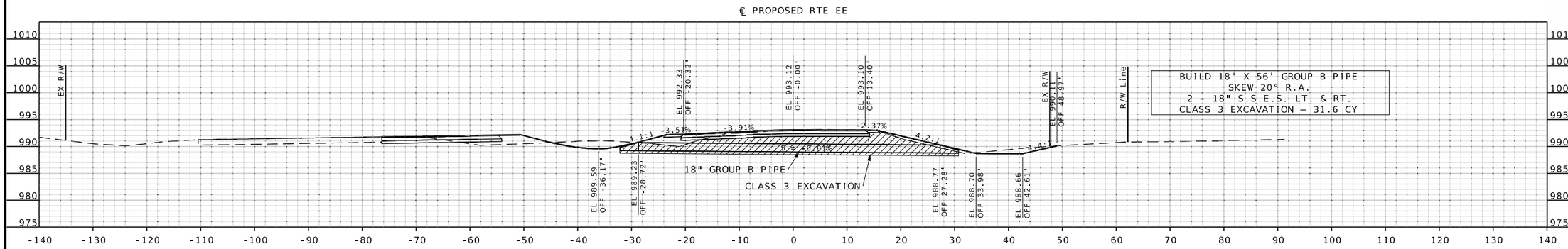

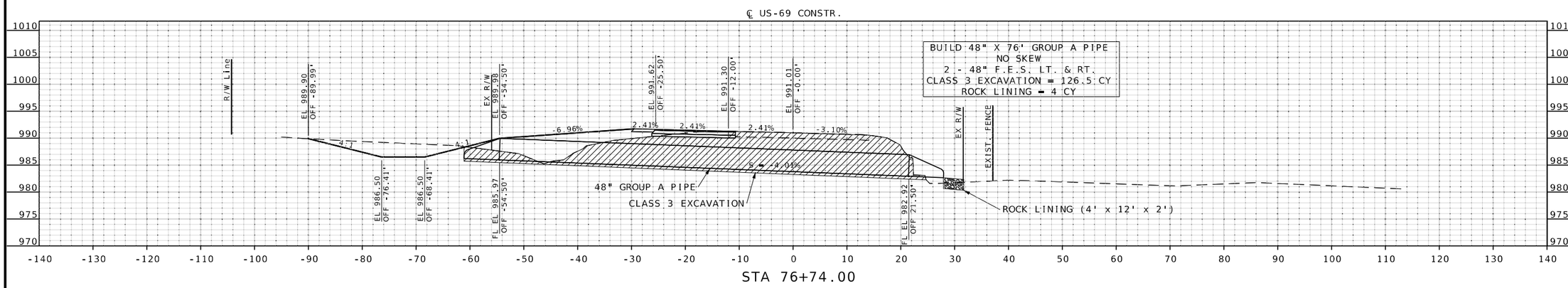

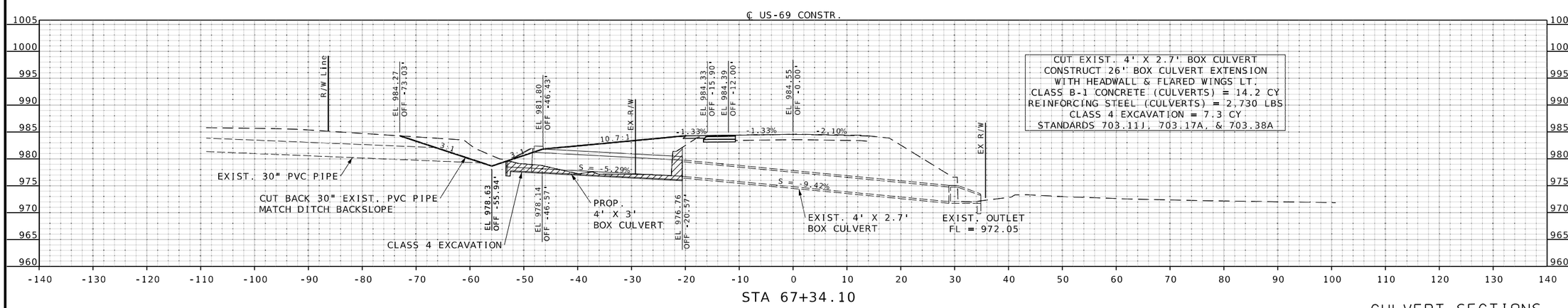

CULVERT SECTIONS
SHEET 1 OF 1

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

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DATE PREPARED	3/4/2024
ROUTE	69
STATE	MO
DISTRICT	NW
SHEET NO.	26
COUNTY	DEKALB
JOB NO.	J1P3373
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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PRO. ENGINEER 2010005873

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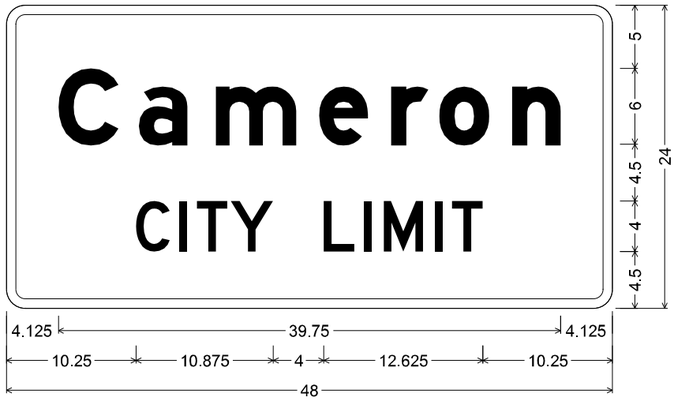
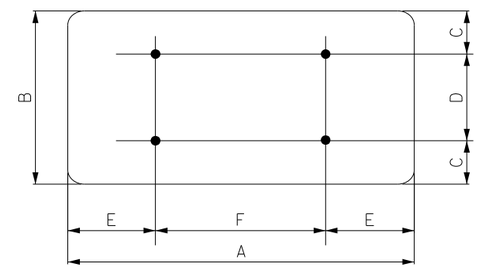


I4-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Cameron", E Mod; "CITY LIMIT", D;
Table of letter and object lefts

C 4.125	**a** 10.500	**m** 16.625	**e** 24.750	**r** 30.500	**o** 34.250	**n** 40.000

C 10.250	**I** 13.750	**T** 15.125	**Y** 17.750	**L** 25.125	**I** 28.375	**M** 29.875	**I** 33.875	**T** 35.250

CITY LIMIT SIGN
HOLE PUNCHING



DIMENSIONS (IN.)						
A	B	C	D	E	F	RADIUS
48	24	3	18	5	38	1.5

SIGNING
SHEET 1 OF 1

STATE OF MISSOURI
JOSHUA CASTOR
NUMBER PE-2004000772
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 3/4/2024

ROUTE	STATE
69	MO
DISTRICT	SHEET NO.
NW	27

COUNTY DEKALB
JOB NO. J1P3373
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION	DATE
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PRO. ENGINEER 2010005873

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