



Andy Beshear  
GOVERNOR

## TRANSPORTATION CABINET

200 Mero Street  
Frankfort, Kentucky 40601

Jim Gray  
SECRETARY

May 22, 2024

CALL NO. 101  
CONTRACT ID NO. 241105  
ADDENDUM # 3

Subject: Franklin County, STP 6000207  
Letting May 23, 2024

- (1) Revised - Proposal Bid Items - Pages 134-137A of 137
- (2) Revised - Plan Sheets - R001, T17, T22, T26
- (3) Added - Plan Sheets - T29, T30

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:mr  
Enclosures

## PROPOSAL BID ITEMS

Report Date 5/22/24

Page 1 of 5

### Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE (REVISED 5-20-2024)	5,858.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	16.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	2.00	TON		\$	
0040	00194		LEVELING & WEDGING PG76-22	376.00	TON		\$	
0050	00212		CL2 ASPH BASE 1.00D PG64-22	325.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22 (REVISED 5-20-2024)	972.00	TON		\$	
0070	00217		CL4 ASPH BASE 1.00D PG64-22	1,007.00	TON		\$	
0080	00219		CL4 ASPH BASE 1.00D PG76-22 (REVISED 5-20-2024)	2,006.00	TON		\$	
0110	00342		CL4 ASPH SURF 0.38A PG76-22 (REVISED 5-14-2024)	3,495.00	TON		\$	
0120	02677		ASPHALT PAVE MILLING & TEXTURING	2,839.00	TON		\$	
0130	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	23.00	TON		\$	

### Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0140	00078		CRUSHED AGGREGATE SIZE NO 2	201.00	TON		\$	
0150	01000		PERFORATED PIPE-4 IN	765.00	LF		\$	
0160	01010		NON-PERFORATED PIPE-4 IN	10.00	LF		\$	
0170	01020		PERF PIPE HEADWALL TY 1-4 IN	1.00	EACH		\$	
0180	01310		REMOVE PIPE	250.00	LF		\$	
0190	01585		REMOVE DROP BOX INLET	1.00	EACH		\$	
0200	01810		STANDARD CURB AND GUTTER	1,470.00	LF		\$	
0210	01904		REMOVE CURB	95.00	LF		\$	
0220	01917		STANDARD BARRIER MEDIAN TYPE 2 (REVISED 5-20-2024)	357.00	SQYD		\$	
0230	01921		STANDARD BARRIER MEDIAN TYPE 4 (REVISED 5-20-2024)	277.00	SQYD		\$	
0240	01923		STANDARD BARRIER MEDIAN TYPE 5 (REVISED 5-20-2024)	827.00	SQYD		\$	
0250	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	13.00	EACH		\$	
0260	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	15.00	EACH		\$	
0270	02014		BARRICADE-TYPE III	12.00	EACH		\$	
0280	02091		REMOVE PAVEMENT	5,152.00	SQYD		\$	
0290	02159		TEMP DITCH	2,810.00	LF		\$	
0300	02160		CLEAN TEMP DITCH	1,405.00	LF		\$	
0310	02165		REMOVE PAVED DITCH	177.00	SQYD		\$	
0320	02230		EMBANKMENT IN PLACE	63,240.00	CUYD		\$	
0330	02351		GUARDRAIL-STEEL W BEAM-S FACE	1,937.50	LF		\$	
0340	02367		GUARDRAIL END TREATMENT TYPE 1	3.00	EACH		\$	
0350	02369		GUARDRAIL END TREATMENT TYPE 2A	3.00	EACH		\$	
0360	02381		REMOVE GUARDRAIL	1,000.00	LF		\$	

FRANKLIN COUNTY  
STP 6000207  
241105**PROPOSAL BID ITEMS**

Report Date 5/22/24

Page 2 of 5

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0370	02429		RIGHT-OF-WAY MONUMENT TYPE 1	1.00	EACH		\$	
0380	02432		WITNESS POST	1.00	EACH		\$	
0390	02483		CHANNEL LINING CLASS II	693.00	TON		\$	
0400	02484		CHANNEL LINING CLASS III	1,218.00	TON		\$	
0410	02545		CLEARING AND GRUBBING 7 ACRES	1.00	LS		\$	
0420	02562		TEMPORARY SIGNS	500.00	SQFT		\$	
0430	02602		FABRIC-GEOTEXTILE CLASS 1	3,478.00	SQYD		\$	
0440	02625		REMOVE HEADWALL	10.00	EACH		\$	
0445	02650		MAINTAIN & CONTROL TRAFFIC (ADDED 5-14-2024)	1.00	LS		\$	
0450	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0460	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0470	02697		EDGE LINE RUMBLE STRIPS	3,335.00	LF		\$	
0480	02701		TEMP SILT FENCE	2,701.00	LF		\$	
0490	02703		SILT TRAP TYPE A	39.00	EACH		\$	
0500	02704		SILT TRAP TYPE B	39.00	EACH		\$	
0510	02705		SILT TRAP TYPE C	39.00	EACH		\$	
0520	02706		CLEAN SILT TRAP TYPE A	39.00	EACH		\$	
0530	02707		CLEAN SILT TRAP TYPE B	39.00	EACH		\$	
0540	02708		CLEAN SILT TRAP TYPE C	39.00	EACH		\$	
0550	02720		SIDEWALK-4 IN CONCRETE	40.00	SQYD		\$	
0560	02726		STAKING	1.00	LS		\$	
0570	05950		EROSION CONTROL BLANKET	139.00	SQYD		\$	
0580	05952		TEMP MULCH	124,321.00	SQYD		\$	
0590	05953		TEMP SEEDING AND PROTECTION	93,194.00	SQYD		\$	
0600	05963		INITIAL FERTILIZER	6.30	TON		\$	
0610	05964		MAINTENANCE FERTILIZER	3.80	TON		\$	
0620	05985		SEEDING AND PROTECTION	121,339.00	SQYD		\$	
0630	05990		SODDING	60.00	SQYD		\$	
0640	05992		AGRICULTURAL LIMESTONE	75.20	TON		\$	
0650	06401		FLEXIBLE DELINEATOR POST-M/W	72.00	EACH		\$	
0655	06511		PAVE STRIPING-TEMP PAINT-6 IN (ADDED 5-14-2024)	18,260.00	LF		\$	
0660	06542		PAVE STRIPING-THERMO-6 IN W	22,650.00	LF		\$	
0670	06543		PAVE STRIPING-THERMO-6 IN Y	8,770.00	LF		\$	
0680	06546		PAVE STRIPING-THERMO-12 IN W	3,195.00	LF		\$	
0690	06547		PAVE STRIPING-THERMO-12 IN Y	80.00	LF		\$	
0700	06556		PAVE STRIPING-DUR TY 1-6 IN W	1,820.00	LF		\$	
0710	06557		PAVE STRIPING-DUR TY 1-6 IN Y	605.00	LF		\$	
0720	06568		PAVE MARKING-THERMO STOP BAR-24IN	340.00	LF		\$	
0730	06569		PAVE MARKING-THERMO CROSS-HATCH	9,970.00	SQFT		\$	
0740	06574		PAVE MARKING-THERMO CURV ARROW	65.00	EACH		\$	
0750	06575		PAVE MARKING-THERMO COMB ARROW	2.00	EACH		\$	
0760	06600		REMOVE PAVEMENT MARKER TYPE V	204.00	EACH		\$	
0770	06601NC		PAVE MARKING-PAINT WORDS	4.00	EACH		\$	
0780	06613		INLAID PAVEMENT MARKER-B W/R	172.00	EACH		\$	
0790	06614		INLAID PAVEMENT MARKER-B Y/R	117.00	EACH		\$	
0800	10020NS		FUEL ADJUSTMENT (REVISED 5-20-2024)	25,777.00	DOLL	\$1.00	\$	\$25,777.00

**PROPOSAL BID ITEMS**

Report Date 5/22/24

Page 3 of 5

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0810	10030NS		ASPHALT ADJUSTMENT (REVISED 5-20-2024)	31,981.00	DOLL	\$1.00	\$	\$31,981.00
0820	20191ED		OBJECT MARKER TY 3	3.00	EACH		\$	
0830	20411ED		LAW ENFORCEMENT OFFICER	250.00	HOUR		\$	
0840	21289ED		LONGITUDINAL EDGE KEY (REVISED 5-20-2024)	5,250.00	LF		\$	
0850	22664EN		WATER BLASTING EXISTING STRIPE (REVISED 5-14-2024)	9,480.00	LF		\$	
0860	22665EN		REMOVE NON-MOUNTABLE MEDIAN (REVISED 5-20-2024)	356.00	SQYD		\$	
0870	23158ES505		DETECTABLE WARNINGS	23.00	SQFT		\$	
0880	23261EC		PAVE MARK-THERMO-X-WALK-24 IN	365.00	LF		\$	
0890	23607EC		PAVE MARK THERMO-LANE REDUCTION ARROW	2.00	EACH		\$	
0910	24689EC		PAVE MARK THERMO-WRONG WAY ARROW	3.00	EACH		\$	
0920	26146ES717		PAVE MARK TY 1 TAPE LANE REDUCTION ARROW	4.00	EACH		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0930	00462		CULVERT PIPE-18 IN	105.00	LF		\$	
0940	00466		CULVERT PIPE-30 IN	143.00	LF		\$	
0950	00521		STORM SEWER PIPE-15 IN	241.00	LF		\$	
0960	00522		STORM SEWER PIPE-18 IN	853.00	LF		\$	
0965	00981		SLOTTED DRAIN PIPE-15 IN (ADDED 5-20-24)	55.00	LF		\$	
0970	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0980	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
0990	01210		PIPE CULVERT HEADWALL-30 IN	2.00	EACH		\$	
1000	01444		SLOPED AND PARALLEL HEADWALL-18 IN	2.00	EACH		\$	
1010	01450		S & F BOX INLET-OUTLET-18 IN	2.00	EACH		\$	
1020	01456		CURB BOX INLET TYPE A	1.00	EACH		\$	
1030	01480		CURB BOX INLET TYPE B	3.00	EACH		\$	
1040	01490		DROP BOX INLET TYPE 1	1.00	EACH		\$	
1050	01496		DROP BOX INLET TYPE 3	1.00	EACH		\$	
1060	01650		JUNCTION BOX	2.00	EACH		\$	
1070	01690		FLUME INLET TYPE 1	1.00	EACH		\$	
1080	01691		FLUME INLET TYPE 2	3.00	EACH		\$	
1090	01756		MANHOLE TYPE A	3.00	EACH		\$	
1100	01761		MANHOLE TYPE B	1.00	EACH		\$	
1110	01791		ADJUST MANHOLE FRAME TO GRADE	1.00	EACH		\$	
1120	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,997.00	SQYD	\$2.00	\$	\$3,994.00
1130	02690		SAFELOADING	9.00	CUYD	\$502.41	\$	\$4,521.71
1140	08100		CONCRETE-CLASS A	1.00	CUYD		\$	
1150	15093		S MANHOLE ABANDON/REMOVE	1.00	EACH		\$	
1160	24814EC		PIPELINE INSPECTION (REVISED 5-20-2024)	1,397.00	LF		\$	

FRANKLIN COUNTY  
STP 6000207  
241105

## PROPOSAL BID ITEMS

Report Date 5/22/24

Page 4 of 5

### Section: 0004 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1170	06406		SBM ALUM SHEET SIGNS .080 IN	112.00	SQFT		\$	
1180	06407		SBM ALUM SHEET SIGNS .125 IN	280.00	SQFT		\$	
1190	06410		STEEL POST TYPE 1	517.00	LF		\$	
1195	21134ND		REMOVE-STORE AND REINSTALL SIGN (ADDED 5-22-24)	3.00	EACH		\$	
1200	21596ND		GMSS TYPE D (REVISED 5-21-24)	8.00	EACH		\$	
1210	24631EC		BARCODE SIGN INVENTORY	37.00	EACH		\$	

### Section: 0005 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1220	04792		CONDUIT-1 IN	208.00	LF		\$	
1225	04793		CONDUIT-1 1/4 IN (ADDED 5-14-2024)	10.00	LF		\$	
1230	04811		ELECTRICAL JUNCTION BOX TYPE B	2.00	EACH		\$	
1240	04820		TRENCHING AND BACKFILLING	238.00	LF		\$	
1250	04844		CABLE-NO. 14/5C	2,203.00	LF		\$	
1260	04884		ANCHOR	8.00	EACH		\$	
1270	04886		MESSENGER-15400 LB	640.00	LF		\$	
1280	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
1290	20093NS835		INSTALL PEDESTRIAN HEAD-LED	3.00	EACH		\$	
1300	20188NS835		INSTALL LED SIGNAL-3 SECTION	10.00	EACH		\$	
1310	20266ES835		INSTALL LED SIGNAL- 4 SECTION	2.00	EACH		\$	
1320	20390NS835		INSTALL COORDINATING UNIT	1.00	EACH		\$	
1330	20457NS835		INSTALL PED DETECTOR-AUDIBLE	3.00	EACH		\$	
1340	21659NN		RELOCATE SIGNAL HEAD	4.00	EACH		\$	
1350	23157EN		TRAFFIC SIGNAL POLE BASE	19.00	CUYD		\$	
1355	23222EC		INSTALL SIGNAL PEDESTAL (ADDED 5-14-2024)	2.00	EACH		\$	
1360	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	28.00	LF		\$	
1370	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	100.00	LF		\$	
1380	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	1.00	EACH		\$	
1390	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	3.00	EACH		\$	
1400	26120EC		INSTALL RADAR ADVANCE DETECTOR TYPE B	1.00	EACH		\$	

### Section: 0006 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1410	04714		POLE 120 FT MTG HT HIGH MAST	2.00	EACH		\$	
1420	04761		LIGHTING CONTROL EQUIPMENT	1.00	EACH		\$	
1430	04800		MARKER	2.00	EACH		\$	
1440	04811		ELECTRICAL JUNCTION BOX TYPE B	4.00	EACH		\$	
1450	04820		TRENCHING AND BACKFILLING	1,240.00	LF		\$	
1460	04834		WIRE-NO. 6	530.00	LF		\$	

FRANKLIN COUNTY  
 STP 6000207  
 241105

### PROPOSAL BID ITEMS

Report Date 5/22/24

Page 5 of 5

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1470	04862		CABLE-NO. 4/3C DUCTED	1,550.00	LF		\$	
1480	04940		REMOVE LIGHTING	1.00	LS		\$	
1490	23161EN		POLE BASE-HIGH MAST	18.00	CUYD		\$	
1500	24751ED		REMOVE STORE & REINSTALL (HIGH MAST LED LUMINAIRE)	14.00	EACH		\$	
1510	24902EC		PVC CONDUIT-3 IN-SCHEDULE 80	116.00	LF		\$	

#### Section: 0007 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1520	02568		MOBILIZATION	1.00	LS		\$	
1530	02569		DEMOBILIZATION	1.00	LS		\$	

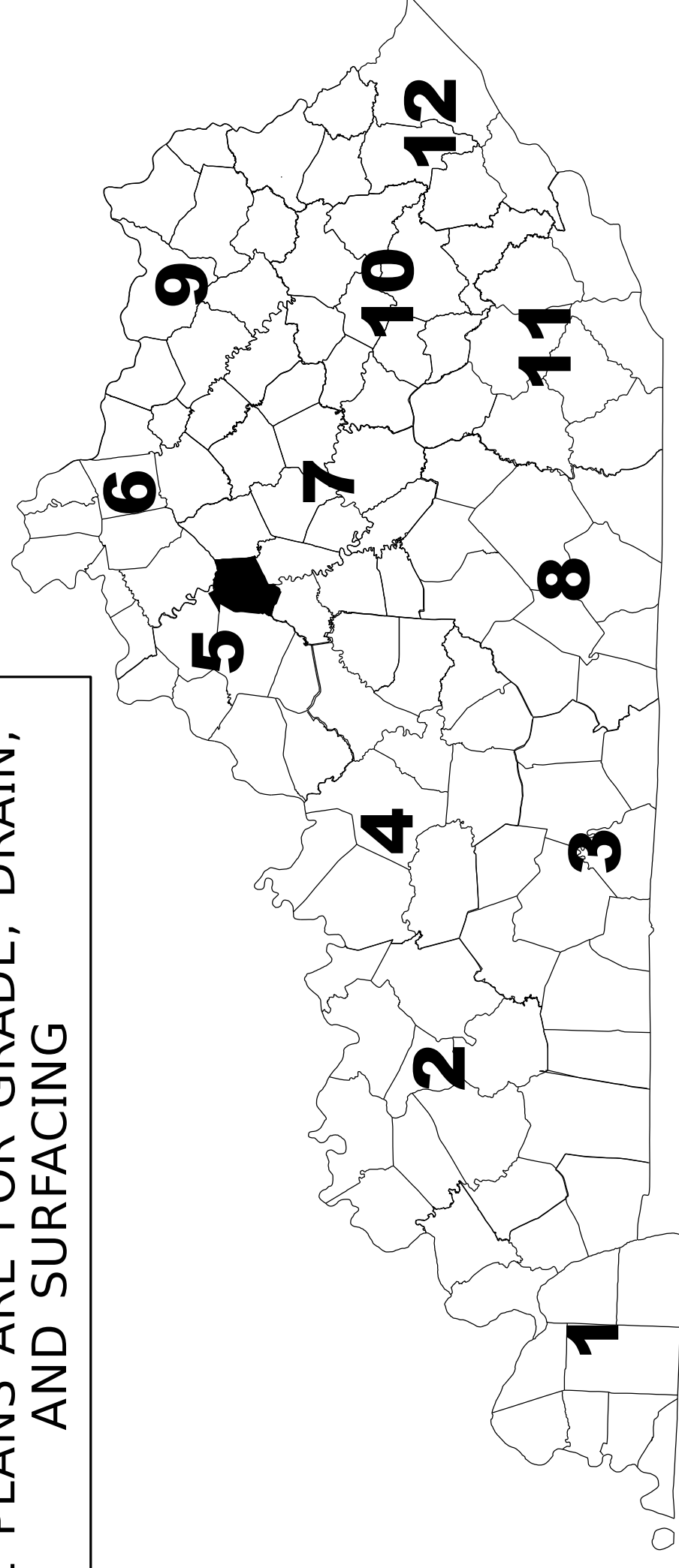
# COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS



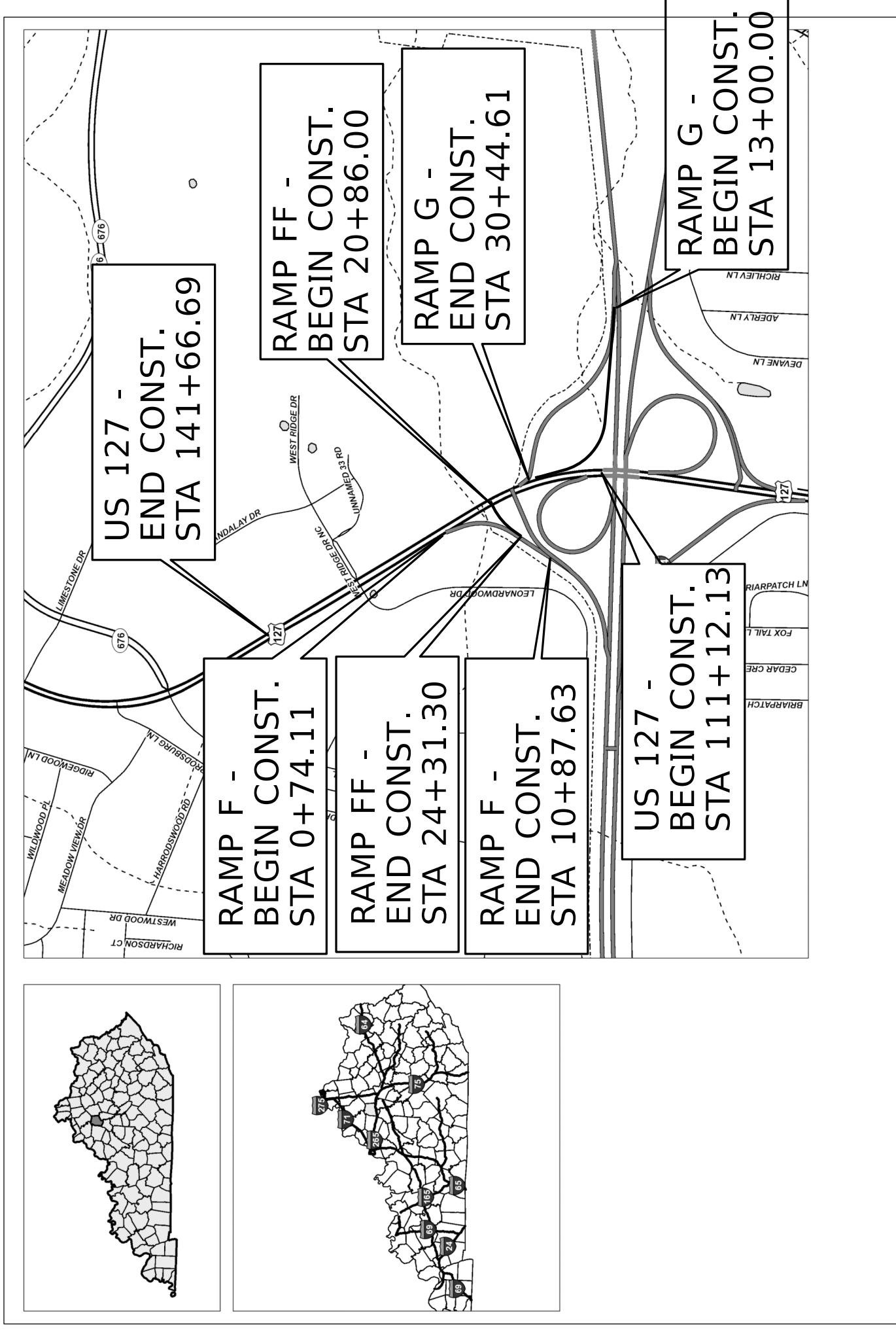
## PLANS OF PROPOSED PROJECT FRANKLIN County I-64/ US 127 INTERCHANGE MODIFICATION & US 127 RECONSTRUCTION STP 6000207

THIS PROJECT IS ON THE NH SYSTEM

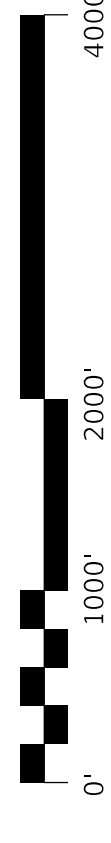
THESE PLANS ARE FOR GRADE, DRAIN,  
AND SURFACING



THE I-64 RAMPS ON THIS PROJECT ARE FULLY CONTROLLED ACCESS HIGHWAYS ALONG WITH THE ADJACENT PORTION OF US 127. US 127 IS A PARTIALLY CONTROLLED ACCESS HIGHWAY ON RIGHT FROM STATIONS 119+79.73 TO 128+12.01. MINIMUM SPACING IS 600 FEET. THE CONTROL OF ACCESS ON US 127 FROM STA. 128+12.01 TO PROJECT END SHALL BE BY PERMIT.



### LAYOUT MAP



#### DESIGN CRITERIA

CLASS OF HIGHWAY INTERSTATE/ PRINCIPAL ARTERIAL  
TYPE OF TERRAIN ROLLING  
DESIGN SPEED 40 MPH RAMP G; 30 MPH RAMP FF;  
45 MPH US 127  
REQUIRED NPSD X  
REQUIRED PSD X  
LEVEL OF SERVICE X  
ADT PRESENT ( 2021 ) 3,554 ( RAMP G); 33,200 (US 127)  
ADT FUTURE ( 2045 ) 39,400 (US 127)  
D/HV X  
D % X  
T % X

#### GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 9 MINUTES 31 SECONDS NORTH  
LONGITUDE 84 DEGREES 53 MINUTES 37 SECONDS WEST

#### DESIGNED

% RESTRICTED SD X  
LEVEL OF SERVICE X  
MAX. DISTANCE W/O PASSING X

#### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2-2K	TYPICAL SECTIONS, SUMMARY OF QUANTITIES, & GENERAL NOTES
R3-1	PLAN AND PROFILE SHEETS
R3-1B	STRIPING SHEETS
R36-R40	COORDINATE CONTROL SHEET
R41-R42	IMPROVED TRAFFIC CONTROL SHEETS
R43-R59	RECONSTRUCTION CONTROL SHEETS
R66-R70	GEOTECHNICAL SHEETS
R71-R73	PIPE DRAINAGE SHEETS
T1-T30	TRAFFIC SIGNAL, LIGHTING, & SIGNING PLAN
X1-X51	CROSS SECTIONS

#### STANDARD DRAWINGS

SEPIAS	DESCRIPTION
RB-001-12	RDD-021-07 RDM-05-03 RDX-010-04 TPM-204
RB-004-06	RDD-040-05 RDP-001-06 RDX-040-03 TPM-205
RBR-010-06	RDH-110-03 RDP-006-04 RDX-065-03 TPM-206
RBR-026-07	RDP-210-03 RDP-007-04 RDX-200-01 TPM-207
RBR-055-01	RDI-001-10 RDP-010-09 RPM-010-06 TTC-115-04
RDB-001-12	RDI-002-05 RDX-210-03 RPM-100-11 TTC-120-04
RDB-003-08	RDI-004-04 RDX-215-01 RPM-115-05 TTC-135-03
RDB-100-05	RDI-020-10 RDX-220-05 RPM-170-09 TTC-155-02
RDB-105-06	RDI-021-01 RDX-225-01 TPM-171-01 TTD-125-03
RDB-270-09	RDI-025-06 RGS-001-07 TPM-201
RDB-280-06	RDI-026-01 RGX-001-06 TPM-202
RDD-020-07	RDM-001-07 RGX-005-06 TPM-203

US 127	RAMP G	RAMP FF	RAMP F
LENGTH 3001	LENGTH 1745	LENGTH 345.6	LENGTH 1013.52
ADDED	ADDED	ADDED	ADDED
DEDUCTED	DEDUCTED	DEDUCTED	DEDUCTED
FOR EQUALITIES	FOR EQUALITIES	FOR EQUALITIES	FOR EQUALITIES
NOT INCLUDED	NOT INCLUDED	NOT INCLUDED	NOT INCLUDED
RAILROAD CROSSINGS NO.	RAILROAD CROSSINGS NO.	RAILROAD CROSSINGS NO.	RAILROAD CROSSINGS NO.
BRIDGES	BRIDGES	BRIDGES	BRIDGES
MILES	MILES	MILES	MILES
LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.

PROJECT NUMBER: State Project #: FD52 037 0127 004-005  
Federal Project #: STP 6000207

PROJECT DESCRIPTION: PROVIDE A NEW ROADWAY FROM THE I-64 WB OFF RAMP AT US 127 TO KY 676 TO REDUCE CONGESTION, IMPROVE SAFETY, AND ENHANCE MOBILITY

RECOMMENDED BY: ADAM T. ULRICH, P.E.  
PROJECT MANAGER  
DATE: \_\_\_\_\_  
PLAN APPROVED BY: \_\_\_\_\_  
STATE HIGHWAY ENGINEER  
DATE: \_\_\_\_\_

LETTING DATE: MAY 23, 2024  
ITEM NO. 05-80212.00 COUNTY OF FRANKLIN  
SHEET NO. R001 SHEETS/CONST. PLANS/05\_80212\_LAYOUT



Groundbreaking by Design.

# COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS

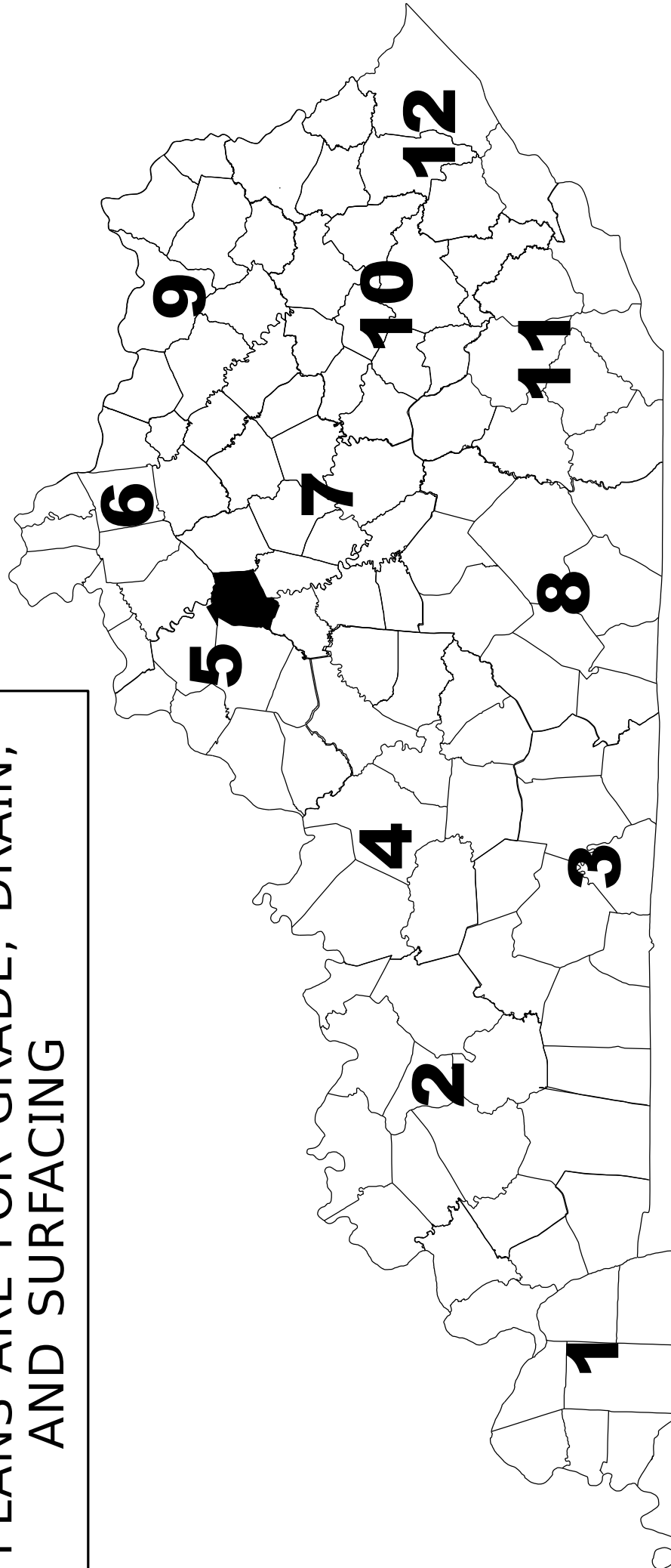


## PLANS OF PROPOSED PROJECT FRANKLIN County I-64/ US 127 INTERCHANGE MODIFICATION & US 127 RECONSTRUCTION STP 6000207

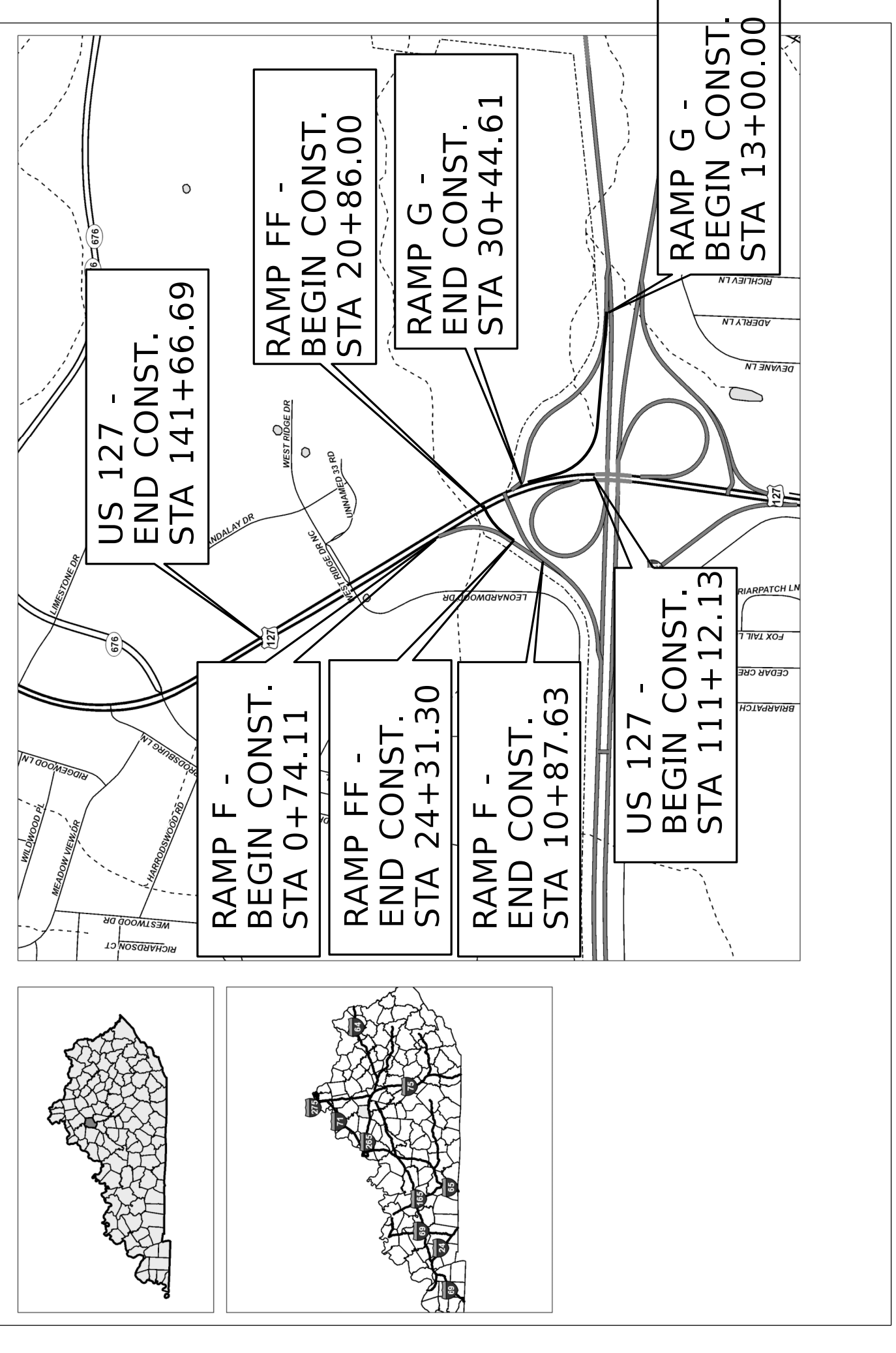


THIS PROJECT IS ON THE NH SYSTEM

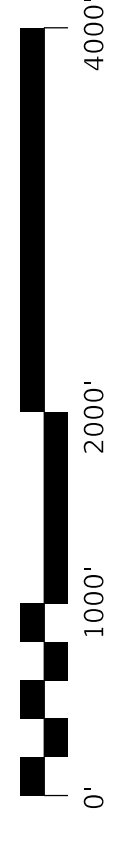
THESE PLANS ARE FOR GRADE, DRAIN,  
AND SURFACING



THE I-64 RAMPS ON THIS PROJECT ARE FULLY CONTROLLED ACCESS HIGHWAYS ALONG WITH THE ADJACENT PORTION OF US 127. US 127 IS A PARTIALLY CONTROLLED ACCESS HIGHWAY ON RIGHT FROM STATIONS 119+79.73 TO 128+12.01. MINIMUM SPACING IS 600 FEET. THE CONTROL OF ACCESS ON US 127 FROM STA. 128+12.01 TO PROJECT END SHALL BE BY PERMIT.



### LAYOUT MAP



#### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2-2K	TYPICAL SECTIONS, SUMMARY OF QUANTITIES, & GENERAL NOTES
R3-1	PLAN AND PROFILE SHEETS
R3-1B	STRIPING SHEETS
R3-6-R40	COORDINATE CONTROL SHEET
R41-R42	IMPROVED TRAFFIC CONTROL SHEETS
R43-R59	EMERGENCY TRAFFIC CONTROL SHEETS
R60-R70	GEOTECHNICAL SHEETS
R71-R72	PIPE DRAINAGE SHEETS
T1-T30	TRAFFIC SIGNAL, LIGHTING, & SIGNING PLAN
X1-X5	CROSS SECTIONS

#### DESIGN CRITERIA

CLASS OF HIGHWAY	INTERSTATE/ PRINCIPAL ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	40 MPH RAMP G; 30 MPH RAMP FF; 45 MPH US 127
REQUIRED NPSD	X
REQUIRED PSD	X
LEVEL OF SERVICE	X
ADT PRESENT ( 2021 )	3,554 ( RAMP G); 33,200 (US 127)
ADT FUTURE ( 2045 )	39,400 (US 127)
DHV	X
D %	X
T %	X

#### GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 9 MINUTES 31 SECONDS NORTH  
 LONGITUDE 84 DEGREES 53 MINUTES 37 SECONDS WEST

#### DESIGNED

% RESTRICTED SD	X
LEVEL OF SERVICE	X
MAX. DISTANCE W/O PASSING	X

#### STANDARD DRAWINGS

SEP/AS	TPM-204	TPM-205	TPM-206	TPM-207	TPM-208	TPM-209	TPM-210	TPM-211	TPM-212	TPM-213	TPM-214	TPM-215	TPM-216	TPM-217	TPM-218	TPM-219	TPM-220	TPM-221	TPM-222	TPM-223	TPM-224	TPM-225	TPM-226	TPM-227	TPM-228	TPM-229	TPM-230
RB-001-12	RDD-021-07	RD-01-05-03	RD-01-06-04	RD-01-07-05	RD-01-08-06	RD-01-09-07	RD-01-10-08	RD-01-11-09	RD-01-12-10	RD-01-13-11	RD-01-14-12	RD-01-15-13	RD-01-16-14	RD-01-17-15	RD-01-18-16	RD-01-19-17	RD-01-20-18	RD-01-21-19	RD-01-22-20	RD-01-23-21	RD-01-24-22	RD-01-25-23	RD-01-26-24	RD-01-27-25	RD-01-28-26	RD-01-29-27	RD-01-30-28

PROJECT NUMBER: State Project #: FD52 037 0127 004-005  
Federal Project #: STP 6000207

PROJECT DESCRIPTION: PROVIDE A NEW ROADWAY FROM THE I-64 WB OFF RAMP AT US 127 TO KY 676 TO REDUCE CONGESTION, IMPROVE SAFETY, AND ENHANCE MOBILITY

RECOMMENDED BY: ADAM T. ULRICH, P.E.  
PROJECT MANAGER  
DATE: 5-2-24

PLAN APPROVED BY: John Ballinger  
STATE HIGHWAY ENGINEER  
DATE: 5-2-24

US 127	RAMP G	RAMP FF	RAMP F
LENGTH: 3001	LENGTH: 1745	LENGTH: 345.6	LENGTH: 1013.52
ADDED ( )	ADDED ( )	ADDED ( )	ADDED ( )
DEDUCTED ( )	DEDUCTED ( )	DEDUCTED ( )	DEDUCTED ( )
FOR EQUALITIES	FOR EQUALITIES	FOR EQUALITIES	FOR EQUALITIES
NOT INCLUDED	NOT INCLUDED	NOT INCLUDED	NOT INCLUDED
RAILROAD CROSSINGS NO.	RAILROAD CROSSINGS NO.	RAILROAD CROSSINGS NO.	RAILROAD CROSSINGS NO.
BRIDGES	BRIDGES	BRIDGES	BRIDGES
MILES	MILES	MILES	MILES
LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.

LETTING DATE: MAY 23, 2024  
 ITEM NO. 05-80212.00 COUNTY OF FRANKLIN  
 SHEET NO. R001  
 SHEETS/CONST. PLANS/05\_80212\_LAYOUT

4-4-24



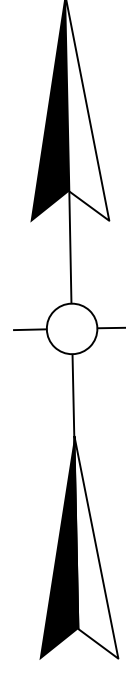


# SIGNING ESTIMATE OF QUANTITIES

ITEM	CODE NUMBER	UNIT	PROJECT	QUANTITY		TOTALS
SIGN BASE MATERIAL						
ALUMINIUM						
PANEL SIGNS	6405	S.O.FT.				
SHEETING SIGNS						
0.080 GAUGE	6406	S.O.FT.				112
0.125 GAUGE	6407	S.O.FT.				280
STEEL POST ②③						
TYPE 1	6410	LN.FT.				517
TYPE D (SURFACE MOUNT)	21596ND	EACH				8
BARCODE SIGN INVENTORY						
24631EC	24631EC	EACH				37
REMOVE-STORE AND REINSTALL SIGN						
21134ND	21134ND	EACH				3

**NOTES :**

- (1) QUANTITY IS ESTIMATED. THE EXACT LENGTH SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- (2) WHERE REQUIRED, BRACING FOR SHEETING SIGNS SHALL BE INCIDENTAL TO STEEL POST. SEE SHEETING SIGN DETAIL SHEET.
- (3) ALL MATERIAL NECESSARY TO FORM A COMPLETE BREAK-AWAY ASSEMBLY INCLUDING CONCRETE SHALL BE INCIDENTAL TO THIS ITEM. SEE SHEETING SIGN DETAIL SHEET.
- (4) THE REMOVAL OF ALL TYPE 1 OR 2 POSTS AND ALL SHEETING SIGNS SHALL BE INCIDENTAL TO THE PROJECT WITH NO ADDITIONAL PAYMENT BEING ALLOWED.
- (5) ALL MATERIALS REMOVED AND NOT REUSED, SUCH AS SIGNS, SIGN LIGHTS, SIGN SUPPORTS, ETC. SHALL BECOME PROPERTY OF THE CONTRACTOR.
- (6) STANDARD SHEETING SIGNS GREATER THAN 48 INCH USE TWO TYPE 2 POSTS.



115+00

100+00

105+00

MATCHLINE STA 117+00.00

MATCHLINE STA 22+00.00

25+00

S-8

S-9

S-7

S-5

S-9

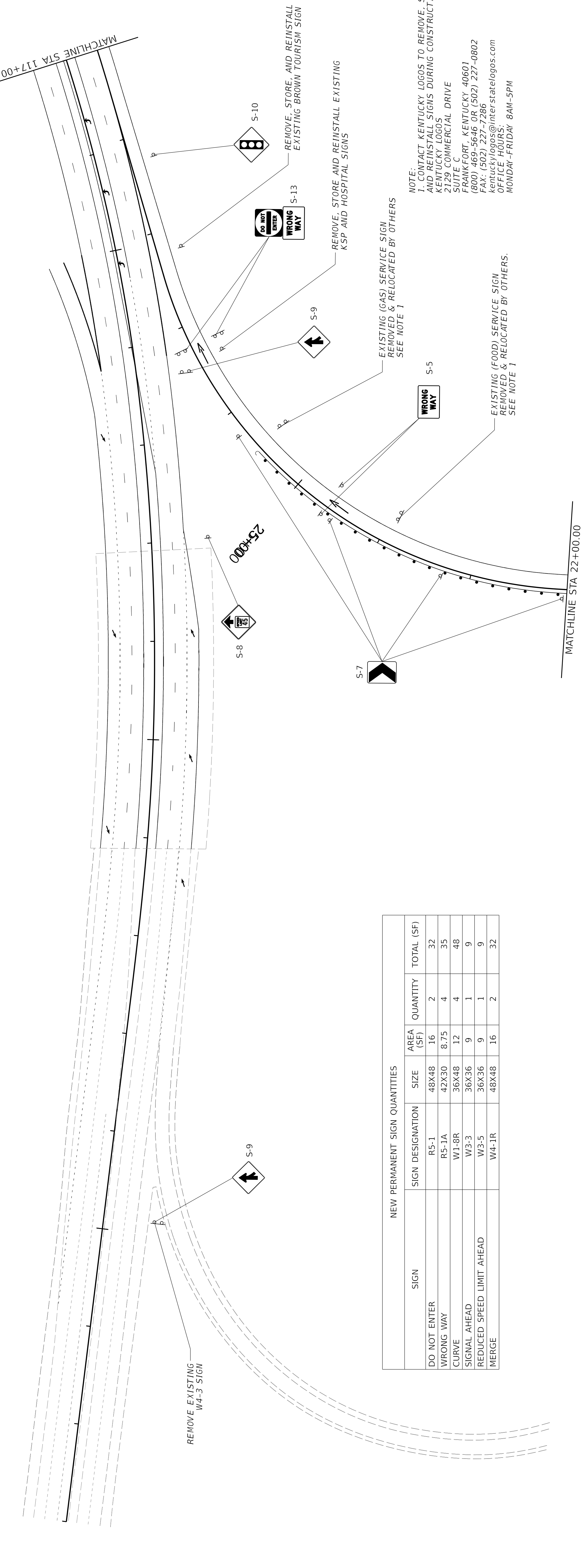
S-10

S-13

S-9

S-5

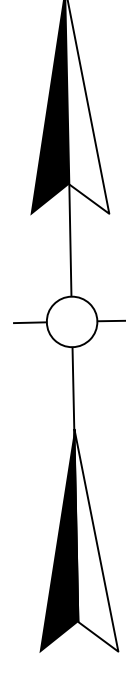
S-10



NEW PERMANENT SIGN QUANTITIES					
SIGN	SIGN DESIGNATION	SIZE	AREA (SF)	QUANTITY	TOTAL (SF)
DO NOT ENTER	R5-1	48X48	16	2	32
WRONG WAY	R5-1A	42X30	8.75	4	35
CURVE	W1-8R	36X48	12	4	48
SIGNAL AHEAD	W3-3	36X36	9	1	9
REDUCED SPEED LIMIT AHEAD	W3-5	36X36	9	1	9
MERGE	W4-1R	48X48	16	2	32

NOTE:  
 1. CONTACT KENTUCKY LOGOS TO REMOVE, STORE AND REINSTALL SIGNS DURING CONSTRUCTION  
 KENTUCKY LOGOS  
 2129 COMMERCIAL DRIVE  
 SUITE C  
 FRANKFORT, KENTUCKY 40601  
 (800) 469-5646 OR (502) 227-0802  
 FAX: (502) 227-7286  
 kentuckylogos@interstatelogs.com  
 OFFICE HOURS:  
 MONDAY-FRIDAY 8AM-5PM

REVISED 5-20-2024



115+00

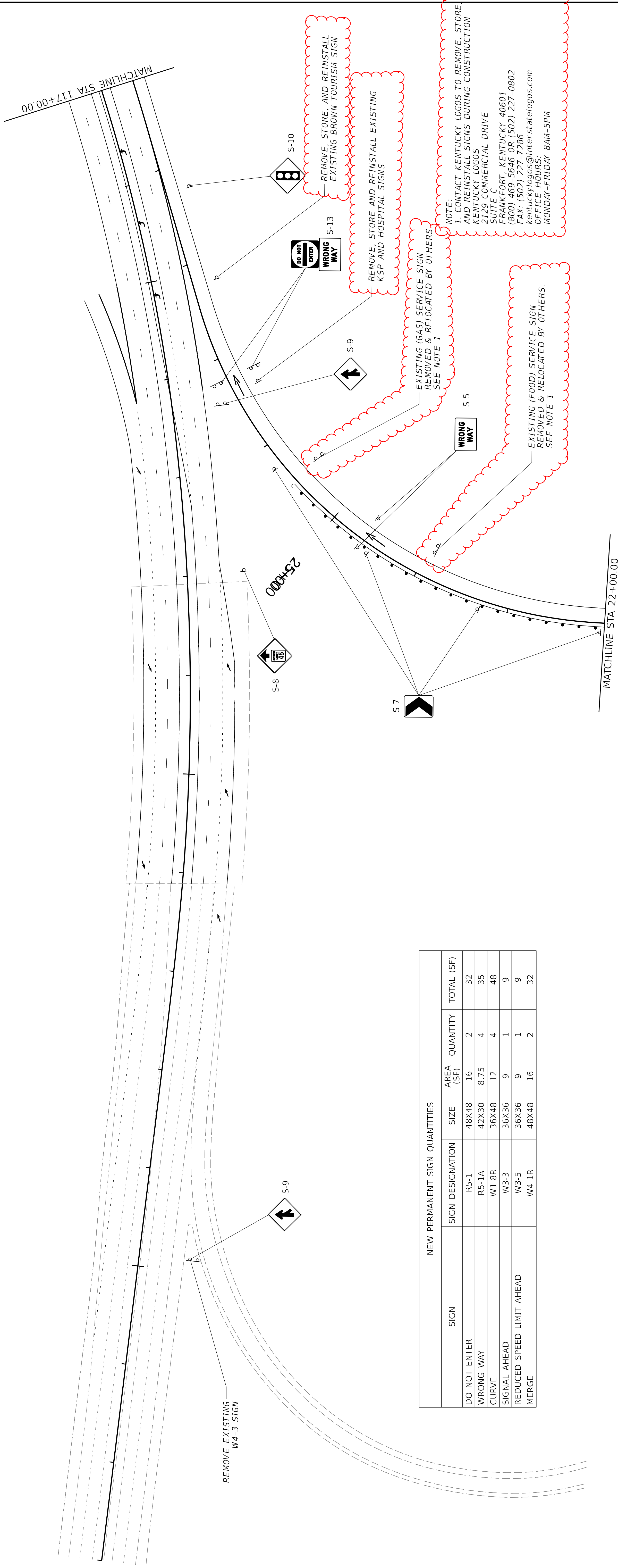
100+00

105+00

MATCHLINE STA 117+00.00

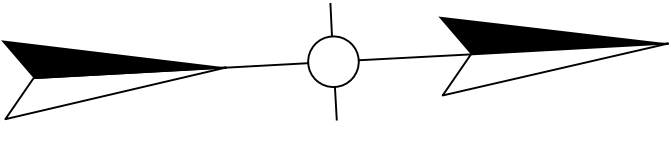
25+00

MATCHLINE STA 22+00.00



NEW PERMANENT SIGN QUANTITIES					
SIGN	SIGN DESIGNATION	SIZE	AREA (SF)	QUANTITY	TOTAL (SF)
DO NOT ENTER	R5-1	48X48	16	2	32
WRONG WAY	R5-1A	42X30	8.75	4	35
CURVE	W1-8R	36X48	12	4	48
SIGNAL AHEAD	W3-3	36X36	9	1	9
REDUCED SPEED LIMIT AHEAD	W3-5	36X36	9	1	9
MERGE	W4-1R	48X48	16	2	32

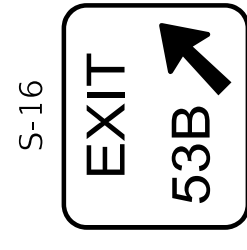
NOTE:  
 1. CONTACT KENTUCKY LOGOS TO REMOVE, STORE AND REINSTALL SIGNS DURING CONSTRUCTION  
 KENTUCKY LOGOS  
 2129 COMMERCIAL DRIVE  
 SUITE C  
 FRANKFORT, KENTUCKY 40601  
 (800) 469-5646 OR (502) 227-0802  
 FAX: (502) 227-7286  
 kentuckylogos@interstatelogos.com  
 OFFICE HOURS:  
 MONDAY-FRIDAY 8AM-5PM



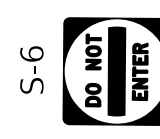
20+00

15+00

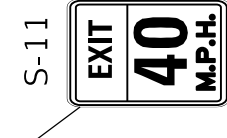
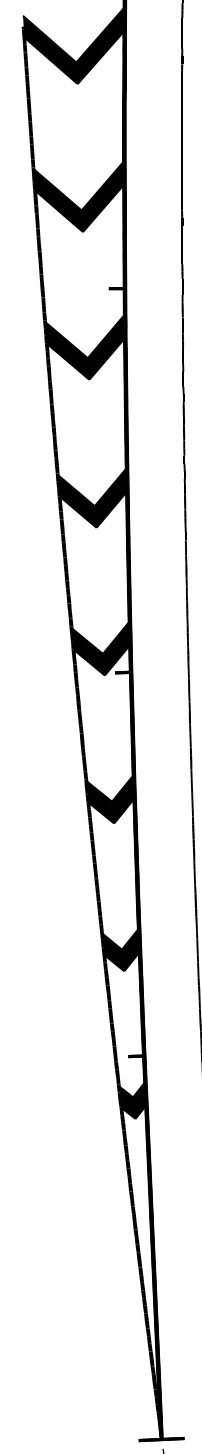
10+00



S-16



S-6



S-11

REMOVE AND REPLACE EXISTING  
SPEED ADVISORY SIGN

REMOVE AND REPLACE EXISTING  
RAMP SPEED LIMIT SIGN



S-12



S-15

EXISTING (ATTRACTION & FOOD) SERVICE SIGN  
REMOVED & RELOCATED BY OTHERS  
SEE NOTE 1

EXISTING (LODGING) SERVICE SIGN  
REMOVED & RELOCATED BY OTHERS  
SEE NOTE 1

MATCHLINE STA 22+00.00

NEW PERMANENT SIGN QUANTITIES					
SIGN	SIGN DESIGNATION	SIZE	AREA (SF)	QUANTITY	TOTAL (SF)
53B EXIT ARROW	E5-1	TBD	TBD	1	TBD
DO NOT ENTER	R5-1	48X48	16	2	32
CURVE	W1-2R	48X48	16	1	16
ADVISORY SPEED (PLAQUE)	W13-1P	30X30	6.25	1	6.25
EXIT SPEED LIMIT	W13-2	36X48	12	1	12
RAMP SPEED LIMIT	W13-3	36X48	12	1	12

NOTE:  
1. CONTACT KENTUCKY LOGOS TO REMOVE, STORE,  
AND REINSTALL SIGNS DURING CONSTRUCTION  
KENTUCKY LOGOS  
2129 COMMERCIAL DRIVE  
SUITE C  
FRANKFORT, KENTUCKY 40601  
(800) 469-5646 OR (502) 227-0802  
FAX: (502) 227-7286  
kentuckylogos@inter-statelogos.com  
OFFICE HOURS:  
MONDAY-FRIDAY 8AM-5PM

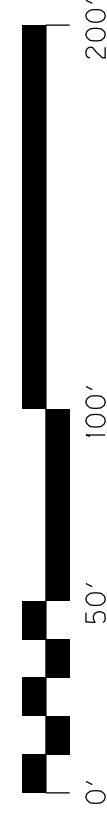


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

OpenRoads Designer v10.12.02.4 USER: towen

DRAWING TITLE: SIGNING PLANS

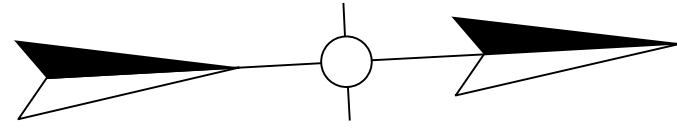
HORIZONTAL SCALE  
SCALE: 1"=50'



RAMP G

ITEM NO. 05-80212 COUNTY OF FRANKLIN  
SHEET NO. T 26

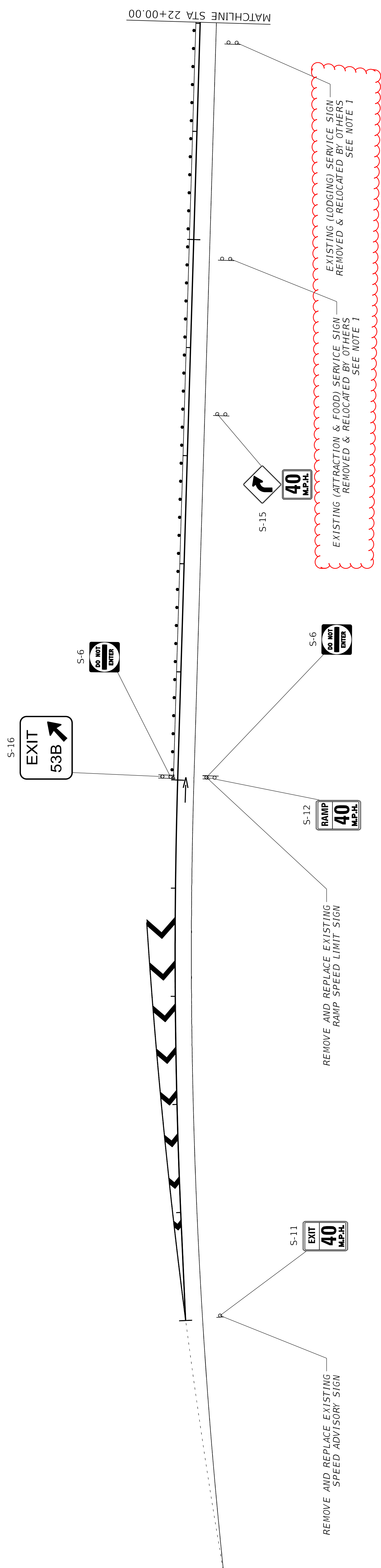
FILE NAME: N:\23108 - STATEWIDE ROADWAY DESIGN\LA 2 - FRANKFORT PADDOCKS\05-80212.00 - FRANKLIN - US127 - I64 TO KY676\MILESTONES & SUBMITTALS\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\TRAFFIC\SIGNS\05\_80212\_SIGNING\_PLANS.DGN



10+000

15+000

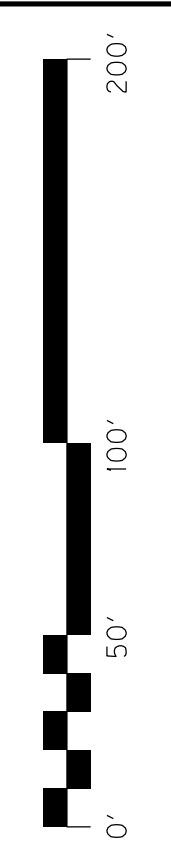
20+000

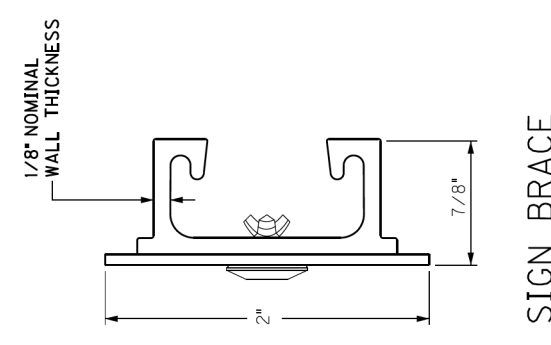


NEW PERMANENT SIGN QUANTITIES

SIGN	SIGN DESIGNATION	SIZE	AREA (SF)	QUANTITY	TOTAL (SF)
53B EXIT ARROW	E5-1	TBD	TBD	1	TBD
DO NOT ENTER	R5-1	48X48	16	2	32
CURVE	W1-2R	48X48	16	1	16
ADVISORY SPEED (PLAQUE)	W13-1P	30X30	6.25	1	6.25
EXIT SPEED LIMIT	W13-2	36X48	12	1	12
RAMP SPEED LIMIT	W13-3	36X48	12	1	12

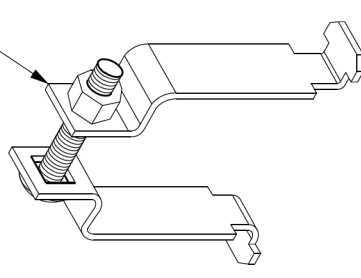
NOTE:  
 1. CONTACT KENTUCKY LOGOS TO REMOVE, STORE, AND REINSTALL SIGNS DURING CONSTRUCTION  
 KENTUCKY LOGOS  
 2129 COMMERCIAL DRIVE  
 SUITE C  
 FRANKFORT, KENTUCKY 40601  
 (800) 469-5646 OR (502) 227-0802  
 FAX: (502) 227-7286  
 kentuckylogos@inter-statellogos.com  
 OFFICE HOURS:  
 MONDAY-FRIDAY 8AM-5PM





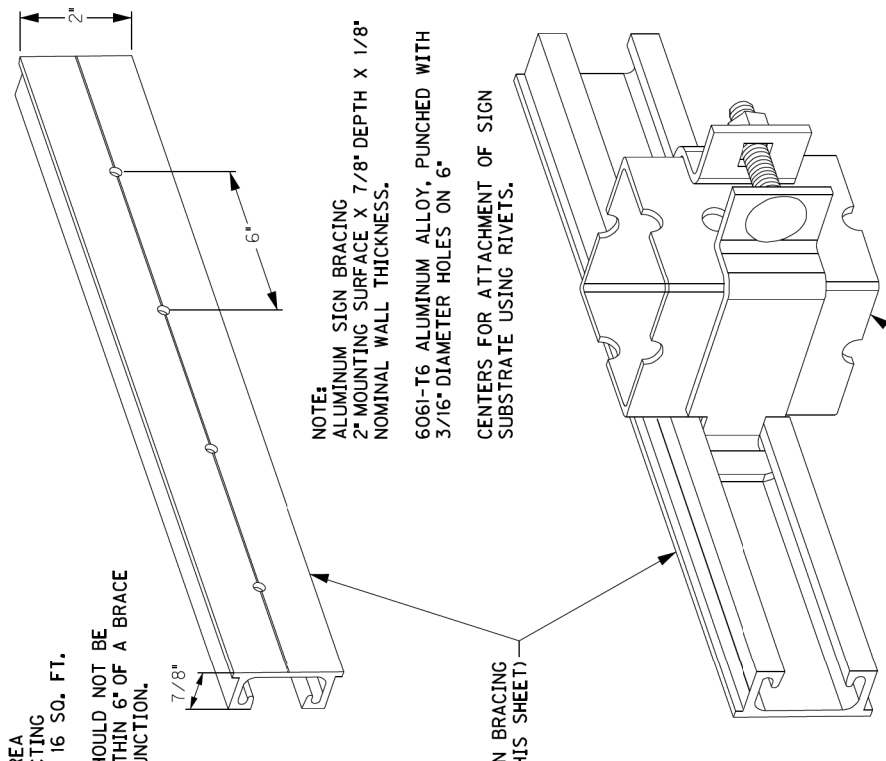
SIGN BRACE

SQUARE POST CLAMP:  
 1.1 GA. TYPE 304, #2B FINISHED STAINLESS STEEL WITH STAINLESS STEEL CARRIAGE BOLT.  
 CLAMPS CAN BE TIGHT LOCKED INTO PLACE FROM EITHER END OF THE CHANNEL BRACE.



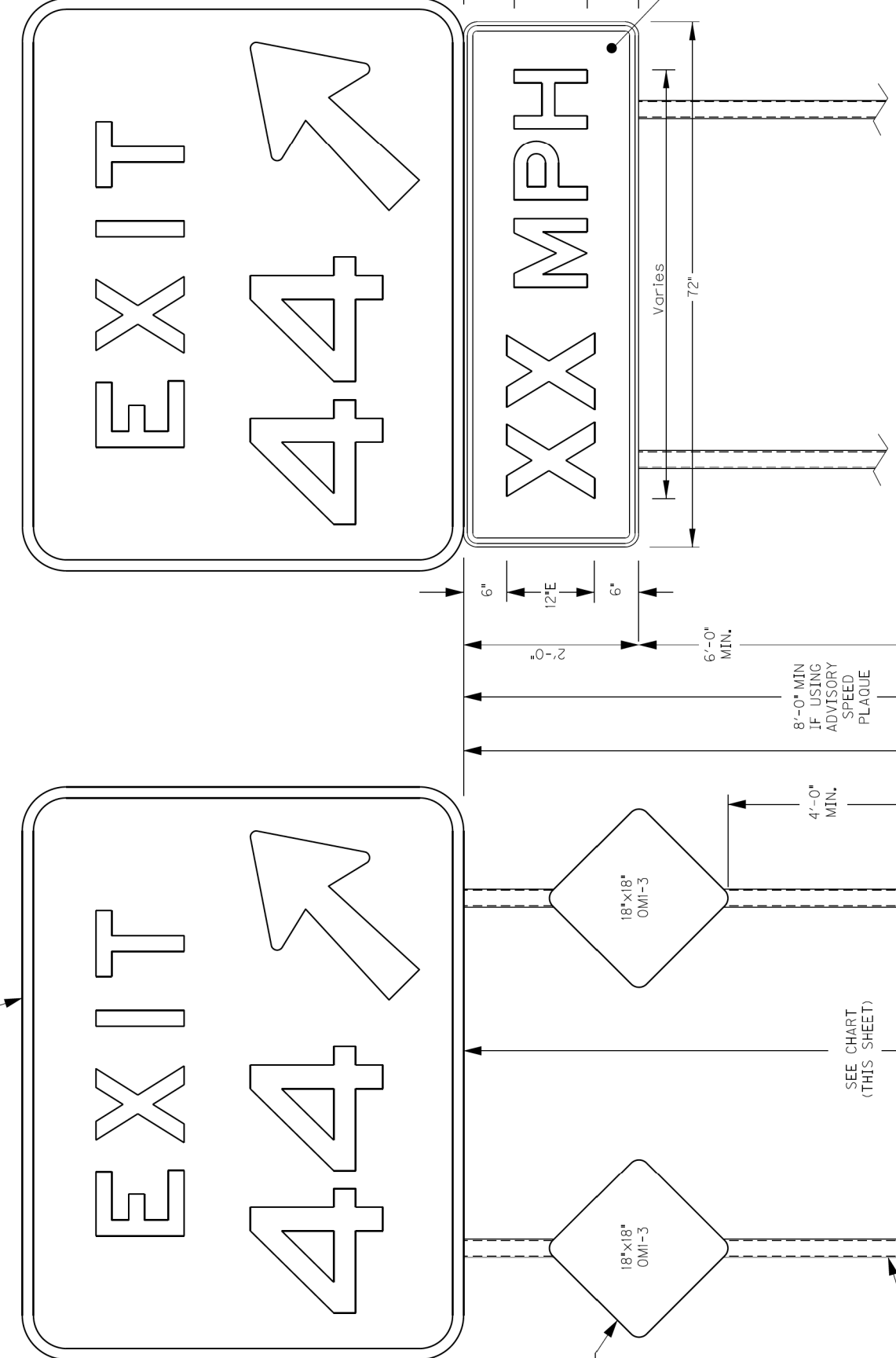
SQUARE POST CLAMP

NOTE:  
 1. MAXIMUM AREA PER CONNECTING BRACKING IS 36 SQ. FT.  
 2. BRACKING MUST BE SPACED WITHIN 6' OF A BRACE TO POST JUNCTION.

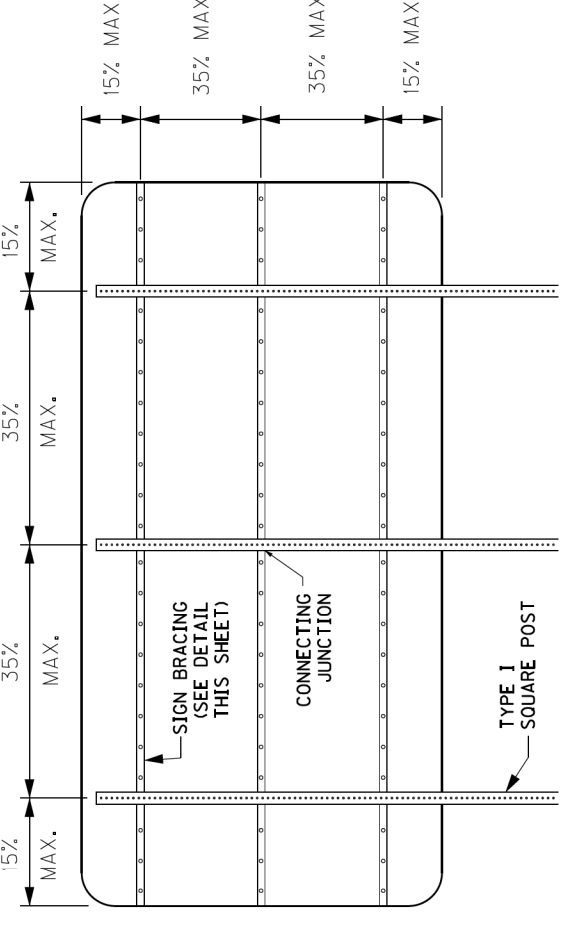


NOTE:  
 1. MAXIMUM AREA PER CONNECTING BRACKING IS 36 SQ. FT.  
 2. BRACKING MUST BE SPACED WITHIN 6' OF A BRACE TO POST JUNCTION.

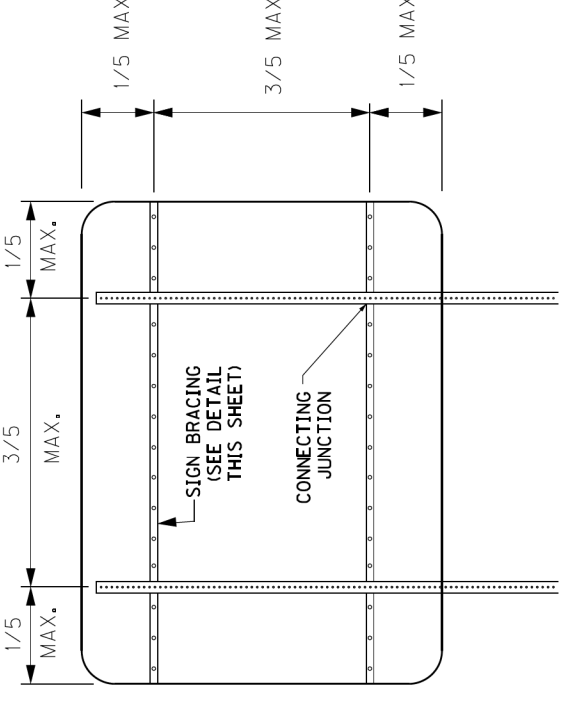
SQUARE POST CLAMP & BRACE



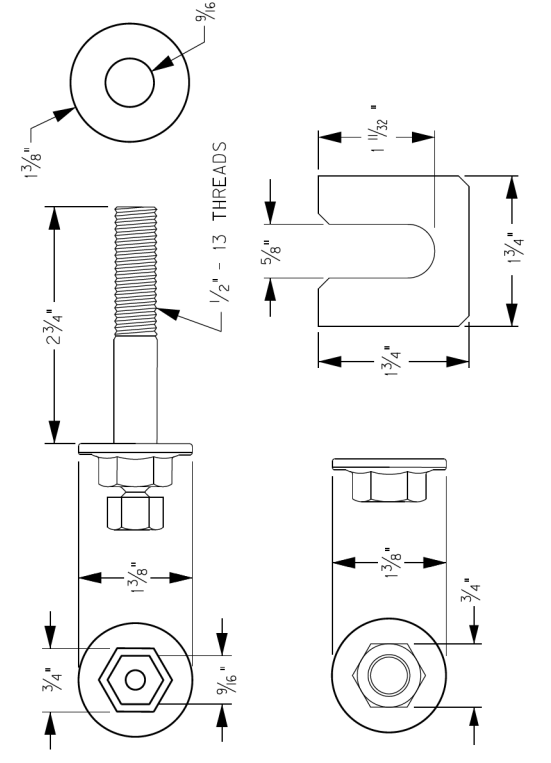
STANDARD EXIT GORE SIGN INSTALLATION



3 POST - BRACING DIAGRAM

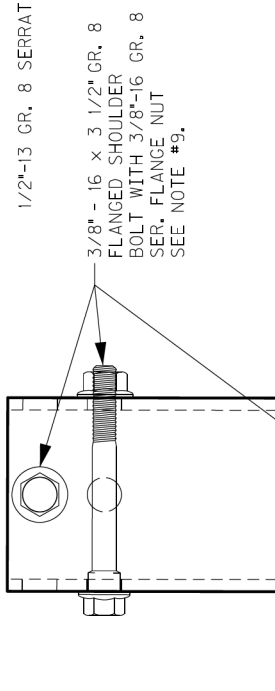


2 POST - BRACING DIAGRAM

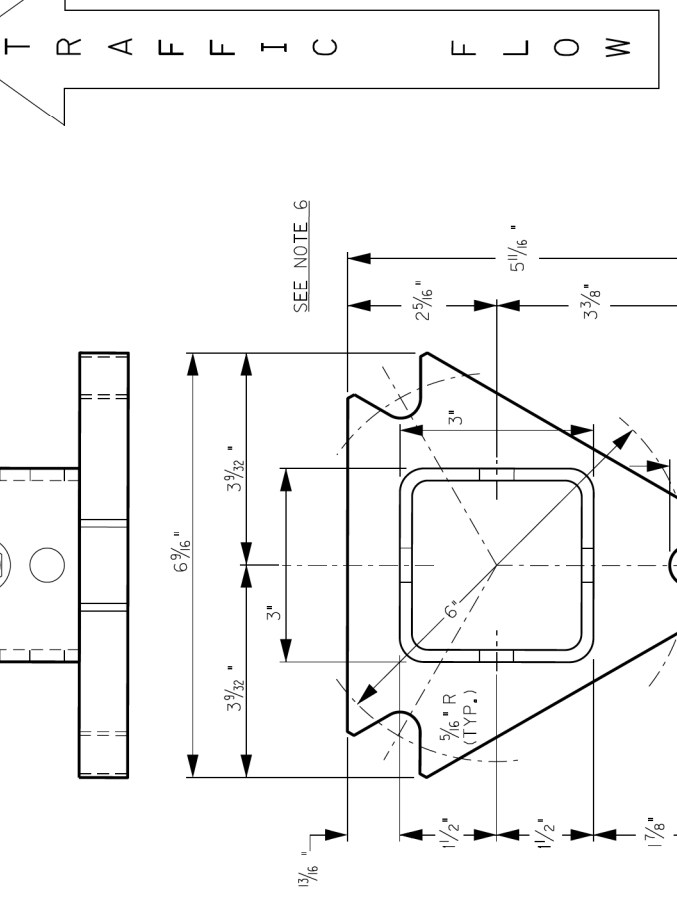


TORQUE FREE MATCH PLATE HARDWARE

SEE NOTES 5-8  
 MARKED, TEFLON COATED WASHER SHIM



TOP POST RECEIVER / FOR 2 - 1/2" SQUARE POST



TYPE "D" SUPPORT  
 OMNI-DIRECTIONAL BREAK-A-WAY FOR TYPE 1 POSTS

2 - 1/2" SQUARE POST

TRAFFIC FLOW

FINISH GRADE

18" DIA.

SEE NOTE 1, 3

2 - 1/2" SERRATED LARGE FLANGE NUT (SEE NOTE 3)

2 - 1/2" SERRATED SHOULDER FLANGED SHOULDER SER. FLANGE NUT (SEE NOTE 3)

1/2-13 GR. 8 TORQUE FREE BOLT

1/2-13 USS FLAT WASHER

MARKED, TEFLON COATED WASHER SHIM

SEE NOTES 5-8

1/2-13 GR. 8 SERRATED LARGE FLANGE NUT

3/8-16 x 3 1/2 GR. 8 SERRATED SHOULDER FLANGED SHOULDER SER. FLANGE NUT (SEE NOTE 3)

1/2-13 GR. 8 TORQUE FREE BOLT

1/2-13 USS FLAT WASHER

MARKED, TEFLON COATED WASHER SHIM

SEE NOTES 5-8

1/2-13 GR. 8 SERRATED LARGE FLANGE NUT

3/8-16 x 3 1/2 GR. 8 SERRATED SHOULDER FLANGED SHOULDER SER. FLANGE NUT (SEE NOTE 3)

NOTES FOR INSTALLATION PROCEDURES

1. ALIGER HOLE (18" DIAMETER X 42" DEEP) AT THE PRE-DETERMINED LOCATION.
2. TAP THE BOTTOM OF THE 48" BASE STUB INTO THE SOIL IN THE BOTTOM OF THE HOLE WITH THE BASE PLUMB AND SQUARED UP WITH THE ROADWAY, MAKING SURE THAT THE POINT OF THE PLATE IS FACING ONCOMING TRAFFIC. THIS SERVICE TO STABILIZE THE BASE WHILE DRAINAGE BELOW THE CONCRETE FOOTING.
3. DEPTH OF INSERTMENT TO LEAVE 2-1/2" FROM THE GRADE TO THE TOP OF THE BASE.
4. ALLOW CONCRETE TO CURE AT LEAST 5 DAYS BEFORE ERECTING SIGN.
5. PLACE LEACH TEFLON COATED WASHER SHIM ON EACH OF THE 3 NOTCHED POINTS, WITH THE OPEN SIDE FACING TOWARDS THE CENTER OF THE TRIANGLE.
6. PLACE TOP POST RECEIVER ON TO THE BASE AND WASHER SHIMS SO THAT THE SIGN POST IS IN THE CORRECT POSITION FOR SIGN VISIBILITY.
7. PLACE LEACH 1/2" WASHER ON TO TORQUE FREE BOLT AND PLACE IN EACH NOTCHED POINT OF THE TRIANGLE. PUSH EACH TEFLON COATED WASHER SHIM AGAINST THE SHANK OF EACH BOLT AND FINGER TIGHTEN 1/2" FLANGED LOCK NUT.
8. FULLY TIGHTEN, THEN LOOSEN, ALL THREE TORQUE FREE BOLTS USING THE LANCE 3/4" HEX HEAD. COMPLETE BY TIGHTENING EACH BOLT USING THE SMALLER 3/16" HEX HEAD UNTIL IT TWISTS OFF.
9. NOTE: SECONDARY HEAD WILL TWIST OFF AT DESIRED TORQUE LEVEL. INSERT SIGN SUPPORT INTO THE TUBULAR PORTION OF TOP POST RECEIVER AND SECURE WITH 3 EACH 3/8-16 X 3-1/2" GRADE 8 FLANGED SHOULDER BOLTS AND FLANGED NUTS.
10. NOTE: WHERE HIGHER WINDLOAD IS DESIRED, INSERT THE NEXT SIZE SMALLER SQUARE POST INSIDE BOTTOM OF MAIN UPRIGHT POST. NOTE: ON MULTIPLE SIGN SUPPORT SYSTEMS FOR TYPE 1 POSTS SHALL BE SQUARED AND LINED UP WITH EACH OTHER.

TYPE "D" SUPPORT  
 OMNI-DIRECTIONAL BREAK-A-WAY FOR TYPE 1 POSTS

TRAFFIC FLOW

FINISH GRADE

18" DIA.

SEE NOTE 1, 3

2 - 1/2" SERRATED LARGE FLANGE NUT (SEE NOTE 3)

2 - 1/2" SERRATED SHOULDER FLANGED SHOULDER SER. FLANGE NUT (SEE NOTE 3)

1/2-13 GR. 8 TORQUE FREE BOLT

1/2-13 USS FLAT WASHER

MARKED, TEFLON COATED WASHER SHIM

SEE NOTES 5-8

1/2-13 GR. 8 SERRATED LARGE FLANGE NUT

3/8-16 x 3 1/2 GR. 8 SERRATED SHOULDER FLANGED SHOULDER SER. FLANGE NUT (SEE NOTE 3)

1/2-13 GR. 8 TORQUE FREE BOLT

1/2-13 USS FLAT WASHER

MARKED, TEFLON COATED WASHER SHIM

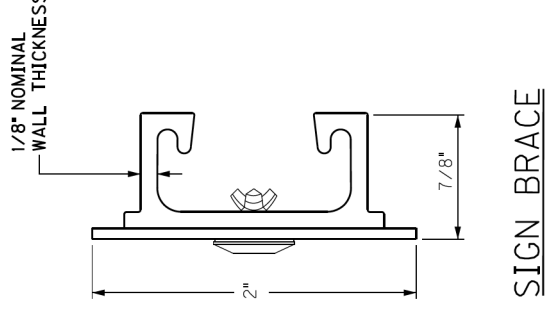
SEE NOTES 5-8

EXIT GORE SIGNS	NUMBER OF POST SUPPORTS	CAUSE	LENGTH FROM GROUND TO BOTTOM OF SIGN
2 DIGITS	2 POSTS	12	12'
3 DIGITS	2 POSTS	12	8' MAX
3 DIGITS	3 POSTS	12	14' MAX
4 DIGITS	3 POSTS	12	10 TO 1/2" MAX

BOTTOM BASE CONCRETE STUB

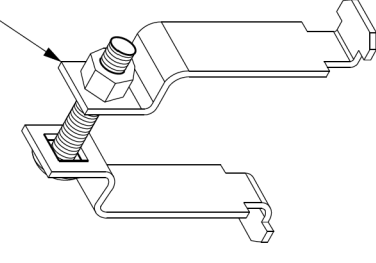
NOT TO SCALE

EXIT GORE DETAIL SHEET 1 of 2



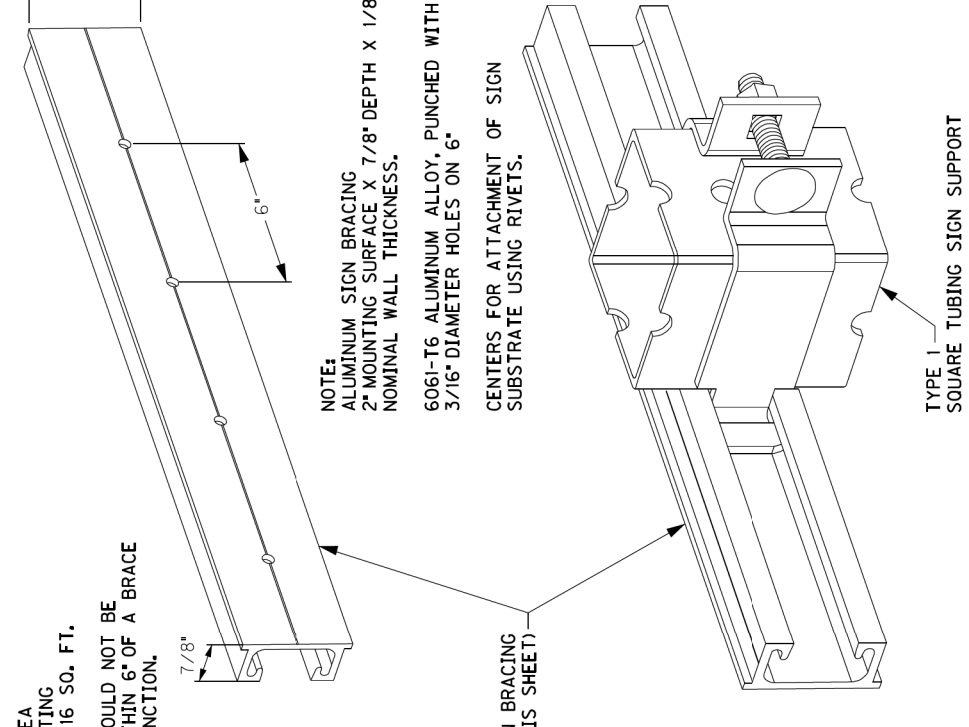
SIGN BRACE

SQUARE POST CLAMP:  
1. 1/2" GA. TYPE 304, #2B FINISHED STAINLESS STEEL WITH STAINLESS STEEL CARRIAGE BOLT.  
CLAMPS CAN BE TIGHT LOCKED INTO PLACE FROM EITHER END OF THE CHANNEL BRACE.

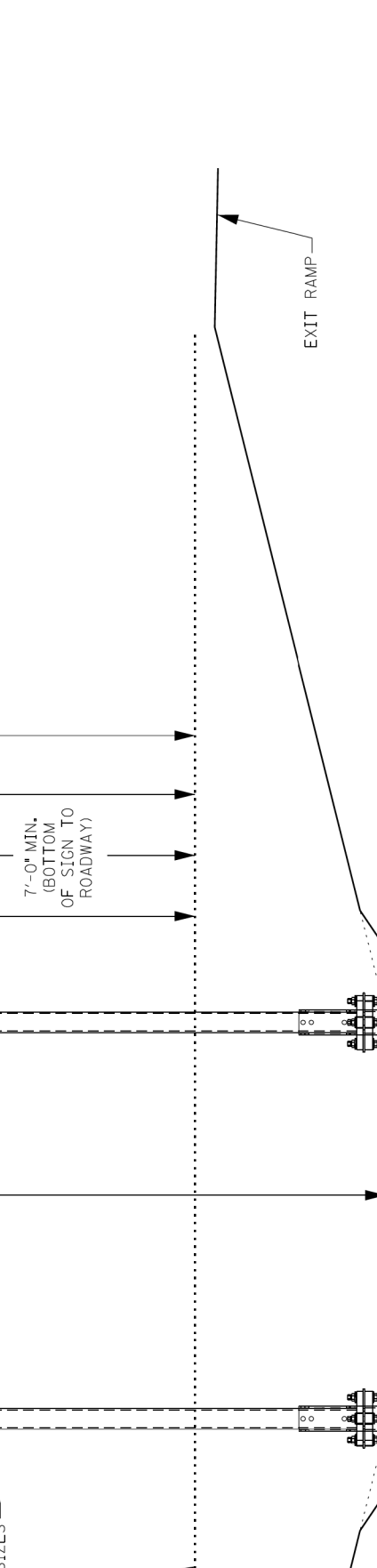
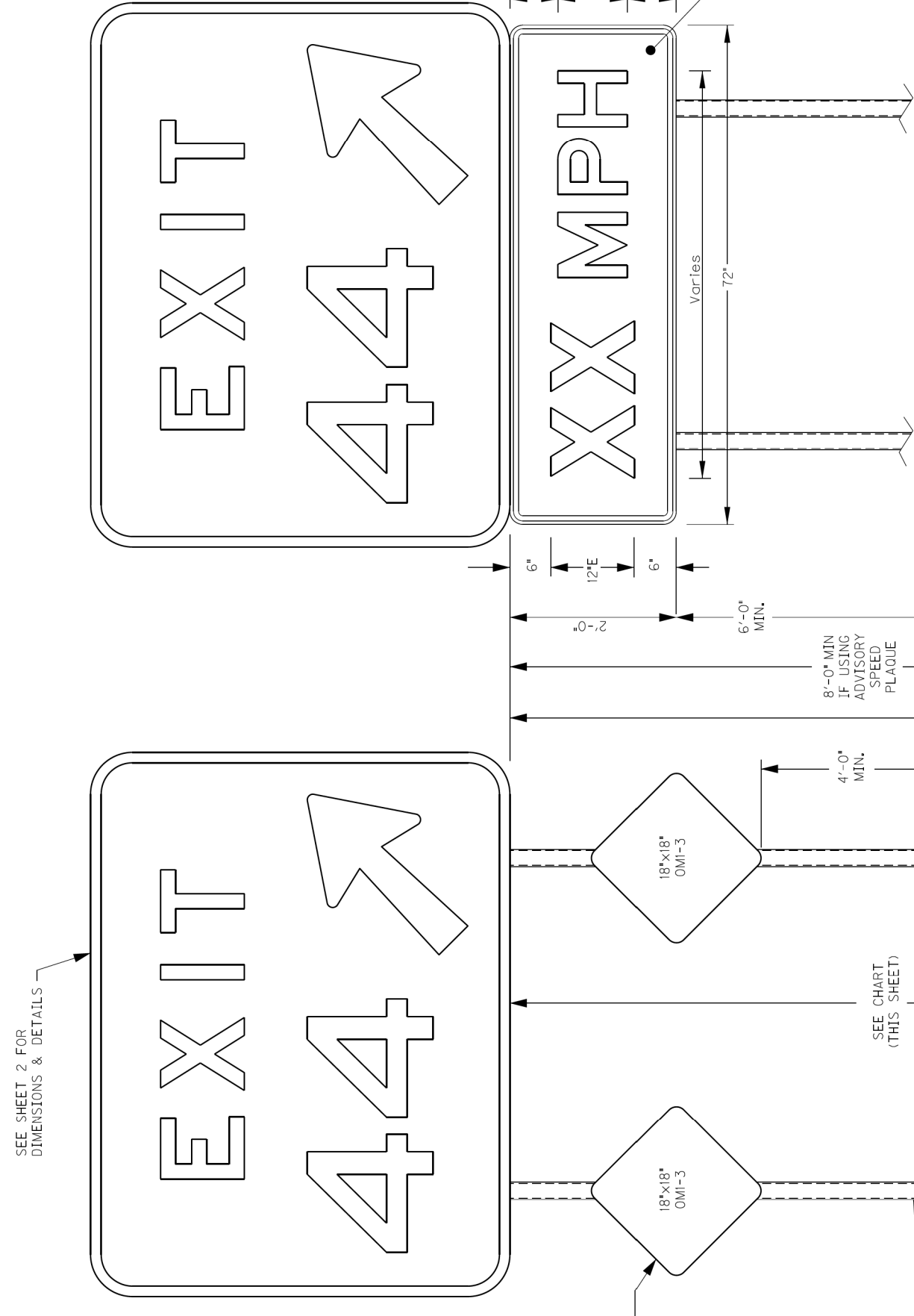


SQUARE POST CLAMP

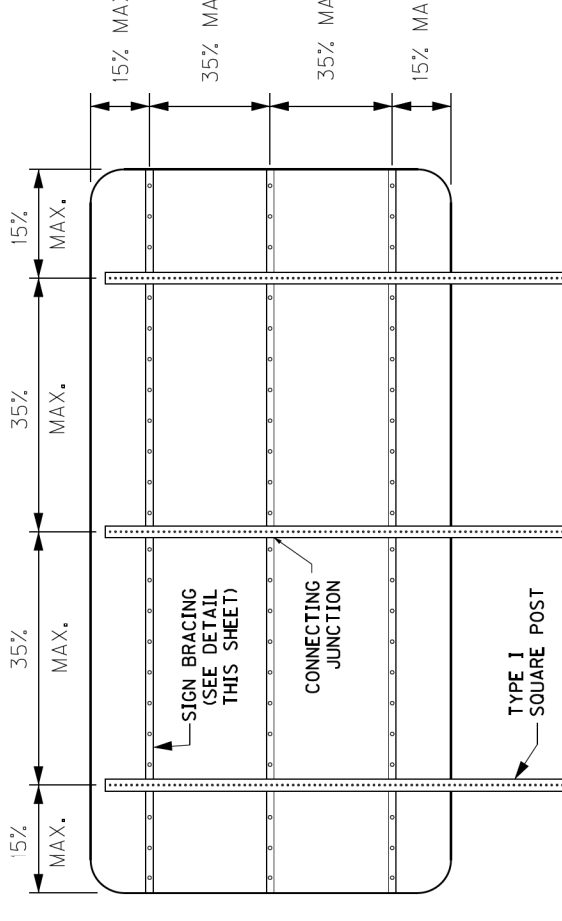
NOTE:  
1. MAXIMUM AREA PER CONNECTING BRACKING IS 30.4 FT.  
2. BRACKING MUST BE SPACED WITHIN 6" OF A BRACE TO POST JUNCTION.



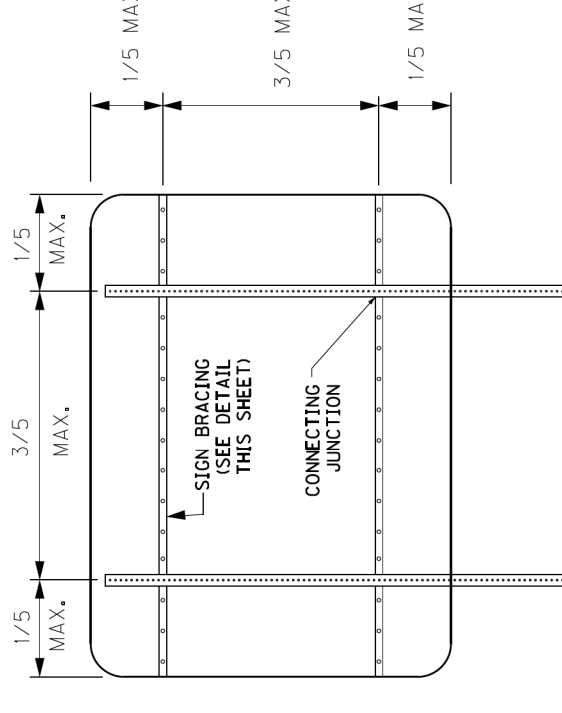
SQUARE POST CLAMP & BRACE



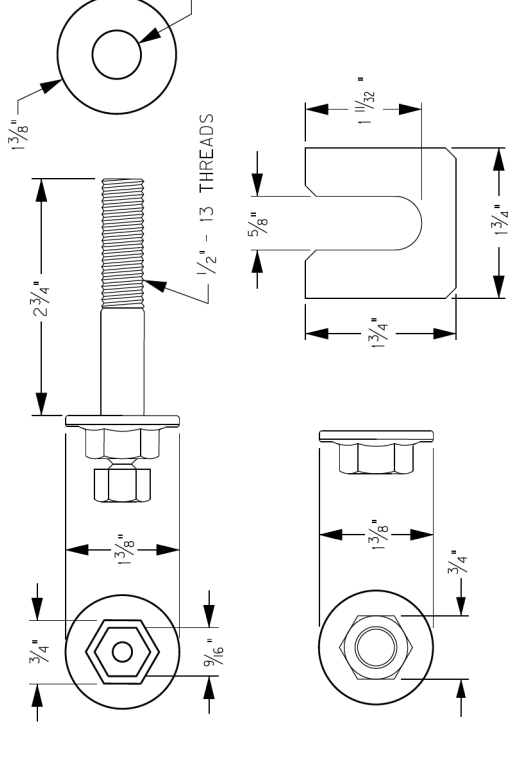
STANDARD EXIT GORE SIGN INSTALLATION



3 POST - BRACING DIAGRAM



2 POST - BRACING DIAGRAM



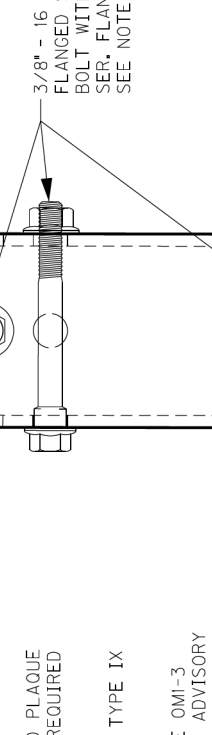
TORQUE FREE MATCH PLATE HARDWARE

SEE NOTES 5-8



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



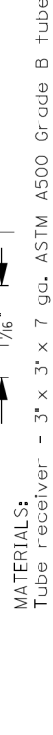
TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



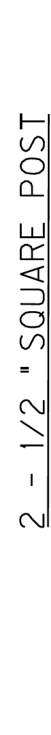
TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



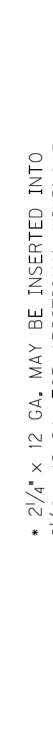
TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



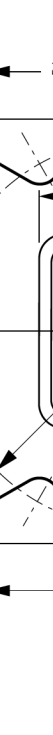
TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



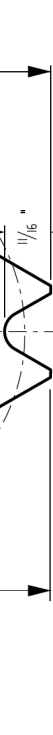
TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



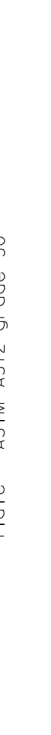
TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

SEE NOTE #3



TORQUE FREE MATCH PLATE HARDWARE

NOTES FOR INSTALLATION PROCEDURES

1. ALIGER HOLE 1/8" DIAMETER X .42" DEEP AT THE PRE-DETERMINED LOCATION.
2. TAP THE BOTTOM OF THE 48" BASE STUB INTO THE SOIL IN THE BOTTOM OF THE HOLE WITH THE BASE PLUMB AND SQUARED UP WITH THE ROADWAY, MAKING SURE THAT THE POINT OF THE PLATE IS FACING ONCOMING TRAFFIC. THIS SERVES TO STABILIZE THE BASE WHILE DRAINAGE BELOW THE CONCRETE FOOTING.
3. DEPTH OF INSERTMENT TO LEAVE 2-1/2" FROM THE GRADE TO THE TOP OF THE BASE.
4. ALLOW CONCRETE TO CURE AT LEAST 5 DAYS BEFORE ERECTING SIGN.
5. PLACE EACH TEFLON COATED WASHER SHIM ON EACH OF THE 3 NOTCHED POINTS, WITH THE OPEN SIDE FACING TOWARDS THE CENTER OF THE TRIANGLE.
6. PLACE TOP POST RECEIVER ON TO THE BASE AND WASHER SHIMS SO THAT THE SIGN POST IS IN THE CORRECT POSITION FOR SIGN VISIBILITY.
7. PLACE LEACH 1/2" WASHER ONTO TORQUE FREE BOLT AND PLACE IN EACH NOTCHED POINT OF THE TRIANGLE. PUSH EACH TEFLON COATED WASHER SHIM AGAINST THE SHANK OF EACH BOLT AND FINGER TIGHTEN 1/2" FLANGED LOCK NUT.
8. FULLY TIGHTEN, THEN LOOSEN, ALL THREE TORQUE FREE BOLTS USING THE LANCE 7/8" HEAD. COMPLETE BY TIGHTENING EACH BOLT USING THE SMALLER 5/16" HEAD UNTIL IT TWISTS OFF.
9. NOTE: SECONDARY HEAD WILL TWIST OFF AT DESIRED TORQUE LEVEL. INSERT SIGN SUPPORT INTO THE TUBULAR PORTION OF TOP POST RECEIVER AND SECURE WITH 3 EACH 3/8"-16 X 3-1/2" GRADE 8 FLANGED SHOULDER BOLTS AND FLANGED NUTS.
10. NOTE: WHERE HIGHER WINDLOAD IS DESIRED, INSERT THE NEXT SIZE SMALLER SQUARE POST INSIDE BOTTOM OF MAIN UPRIGHT POST. NOTE: ON MULTIPLE INSTALLATIONS, BE SURE THAT ALL ANCHORS ARE SQUARED AND LINED UP WITH EACH OTHER.

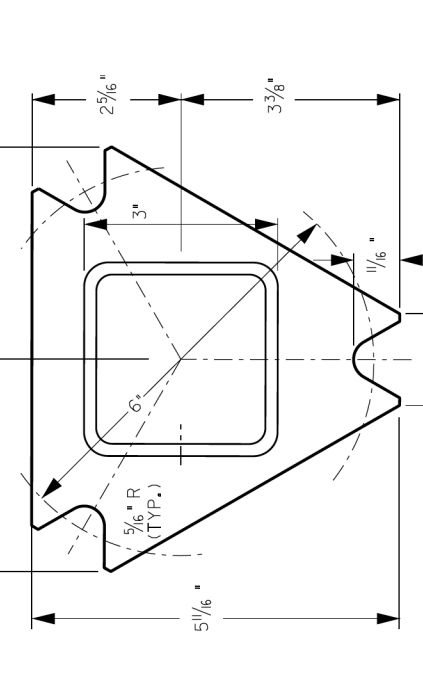
NOTES FOR INSTALLATION PROCEDURES

1. ALIGER HOLE 1/8" DIAMETER X .42" DEEP AT THE PRE-DETERMINED LOCATION.
2. TAP THE BOTTOM OF THE 48" BASE STUB INTO THE SOIL IN THE BOTTOM OF THE HOLE WITH THE BASE PLUMB AND SQUARED UP WITH THE ROADWAY, MAKING SURE THAT THE POINT OF THE PLATE IS FACING ONCOMING TRAFFIC. THIS SERVES TO STABILIZE THE BASE WHILE DRAINAGE BELOW THE CONCRETE FOOTING.
3. DEPTH OF INSERTMENT TO LEAVE 2-1/2" FROM THE GRADE TO THE TOP OF THE BASE.
4. ALLOW CONCRETE TO CURE AT LEAST 5 DAYS BEFORE ERECTING SIGN.
5. PLACE EACH TEFLON COATED WASHER SHIM ON EACH OF THE 3 NOTCHED POINTS, WITH THE OPEN SIDE FACING TOWARDS THE CENTER OF THE TRIANGLE.
6. PLACE TOP POST RECEIVER ON TO THE BASE AND WASHER SHIMS SO THAT THE SIGN POST IS IN THE CORRECT POSITION FOR SIGN VISIBILITY.
7. PLACE LEACH 1/2" WASHER ONTO TORQUE FREE BOLT AND PLACE IN EACH NOTCHED POINT OF THE TRIANGLE. PUSH EACH TEFLON COATED WASHER SHIM AGAINST THE SHANK OF EACH BOLT AND FINGER TIGHTEN 1/2" FLANGED LOCK NUT.
8. FULLY TIGHTEN, THEN LOOSEN, ALL THREE TORQUE FREE BOLTS USING THE LANCE 7/8" HEAD. COMPLETE BY TIGHTENING EACH BOLT USING THE SMALLER 5/16" HEAD UNTIL IT TWISTS OFF.
9. NOTE: SECONDARY HEAD WILL TWIST OFF AT DESIRED TORQUE LEVEL. INSERT SIGN SUPPORT INTO THE TUBULAR PORTION OF TOP POST RECEIVER AND SECURE WITH 3 EACH 3/8"-16 X 3-1/2" GRADE 8 FLANGED SHOULDER BOLTS AND FLANGED NUTS.
10. NOTE: WHERE HIGHER WINDLOAD IS DESIRED, INSERT THE NEXT SIZE SMALLER SQUARE POST INSIDE BOTTOM OF MAIN UPRIGHT POST. NOTE: ON MULTIPLE INSTALLATIONS, BE SURE THAT ALL ANCHORS ARE SQUARED AND LINED UP WITH EACH OTHER.

TYPE "D" SUPPORT  
OMNI-DIRECTIONAL BREAK-A-WAY FOR TYPE 1 POSTS

EXIT GORE SIGNS	NUMBER OF POST SUPPORTS	CAUSE	LENGTH FROM GROUND TO BOTTOM OF SIGN
2 DIGITS	2 POSTS	12	12'
3 DIGITS	2 POSTS	12	8' MAX
3 DIGITS	3 POSTS	12	14' MAX
4 DIGITS	3 POSTS	12	10 TO 1/2" MAX

TYPE "D" SUPPORT  
OMNI-DIRECTIONAL BREAK-A-WAY FOR TYPE 1 POSTS

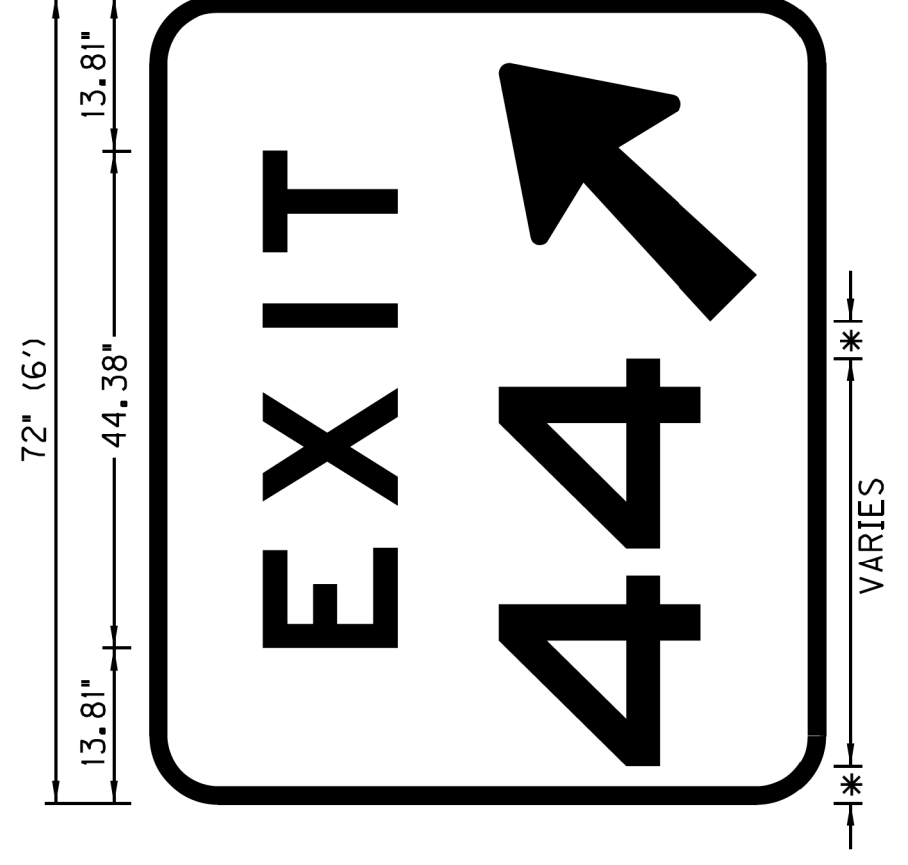
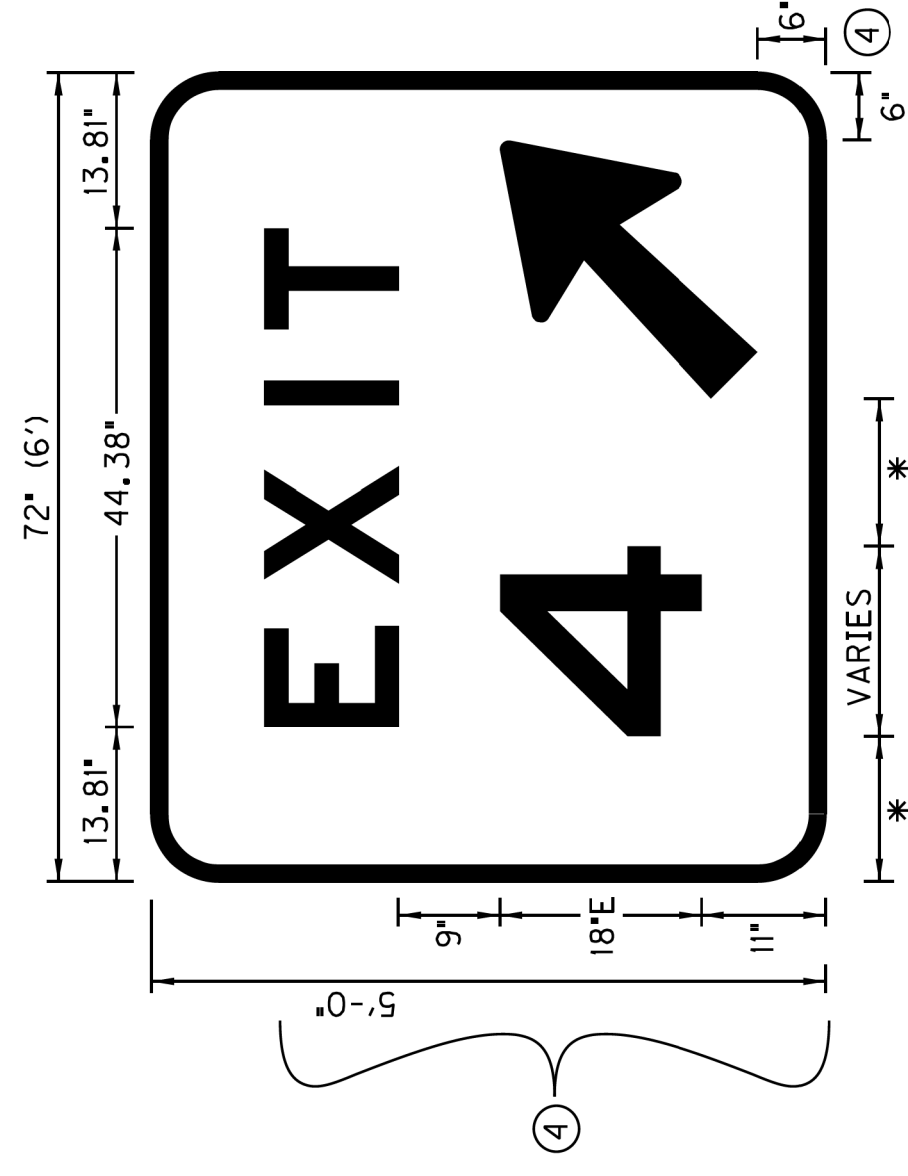
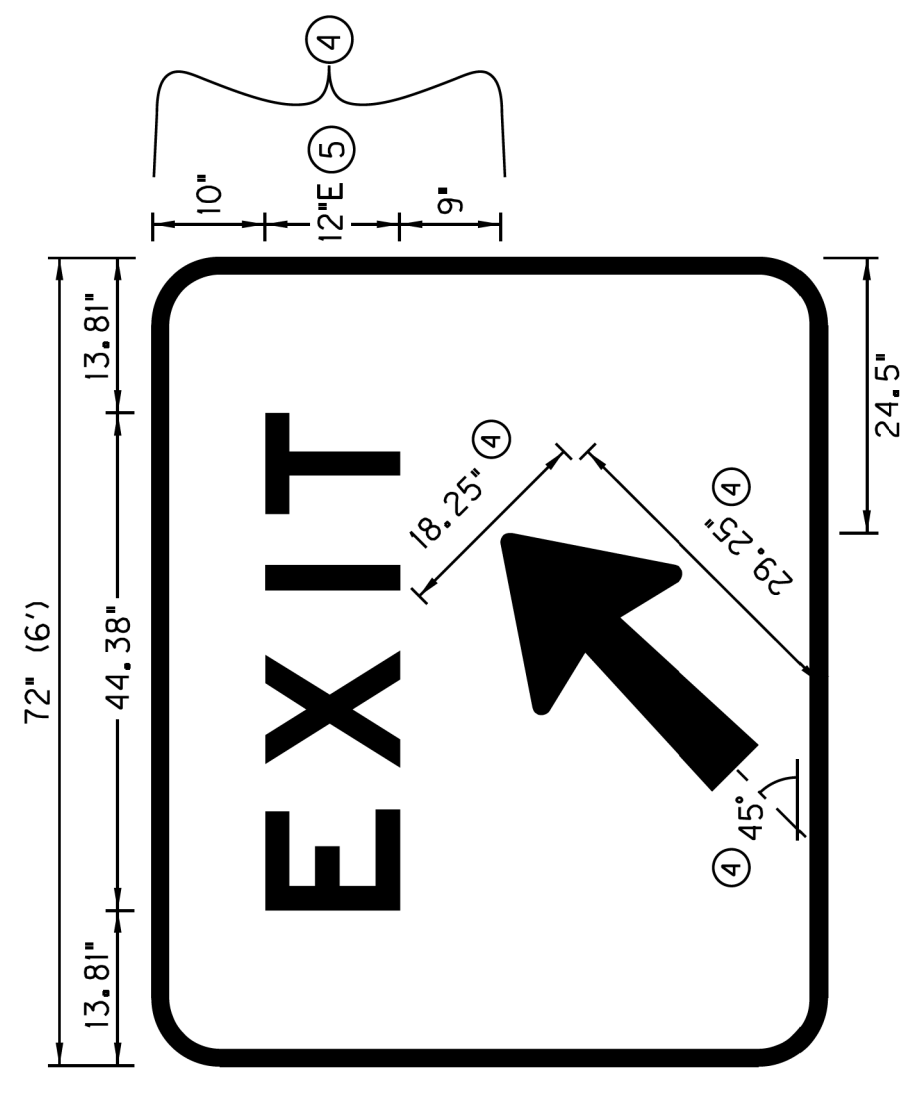


2 - 1/2" SQUARE POST

2-1/2" x 12 GA. MAY BE INSERTED INTO 2-1/2" x 12 GA. FOR ADDITIONAL WINDLOAD.

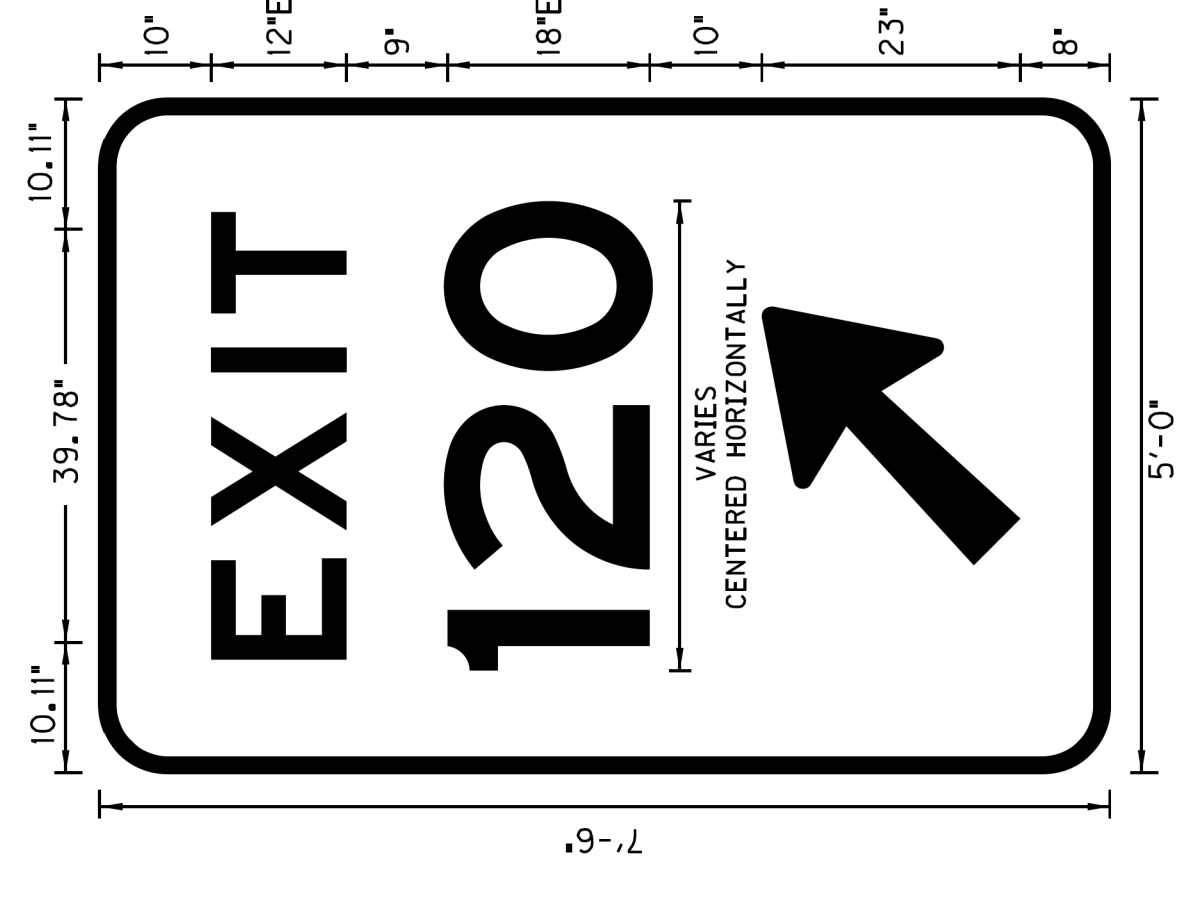
NOT TO SCALE  
EXIT CORE DETAIL SHEET 1 of 2



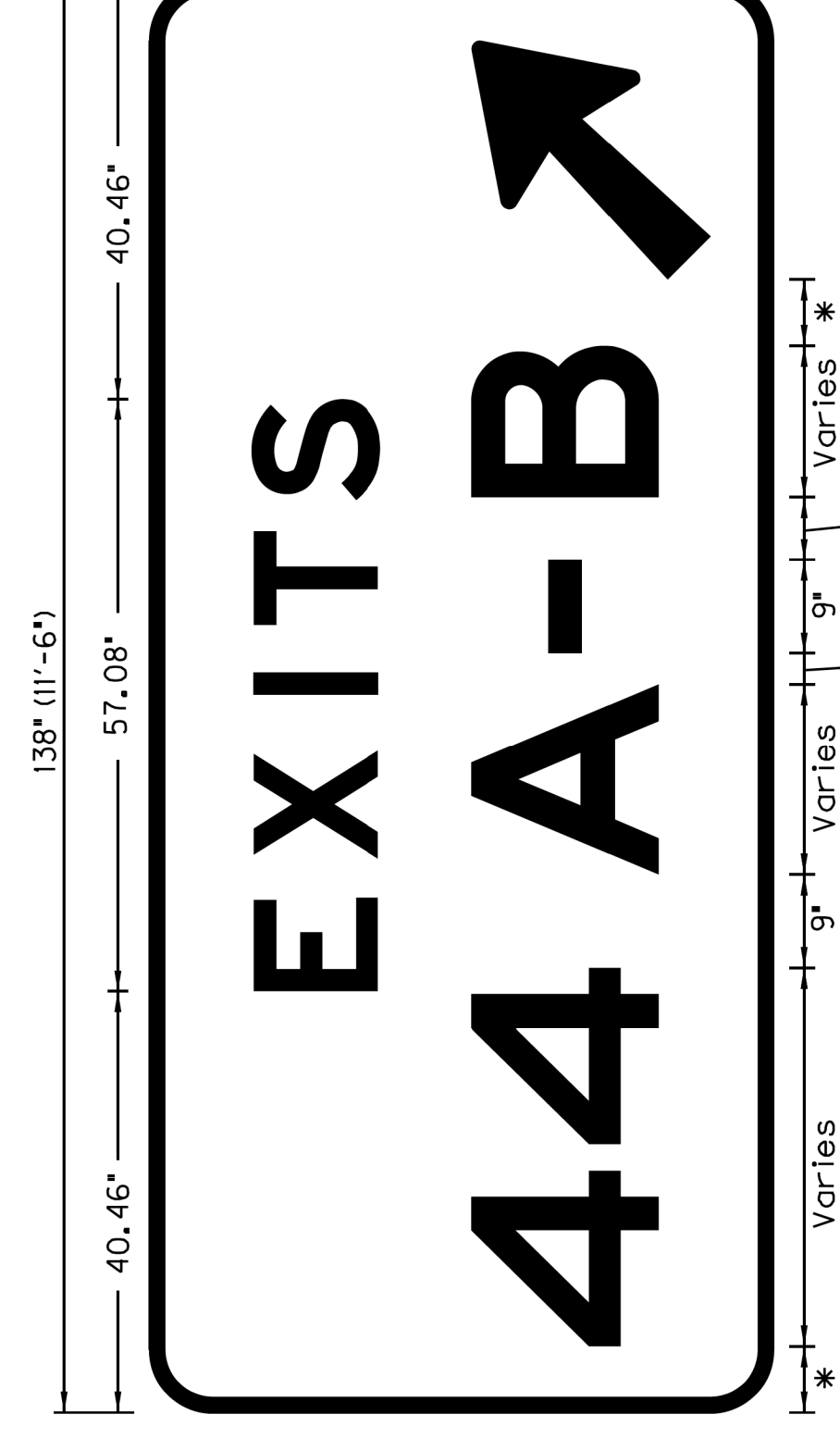
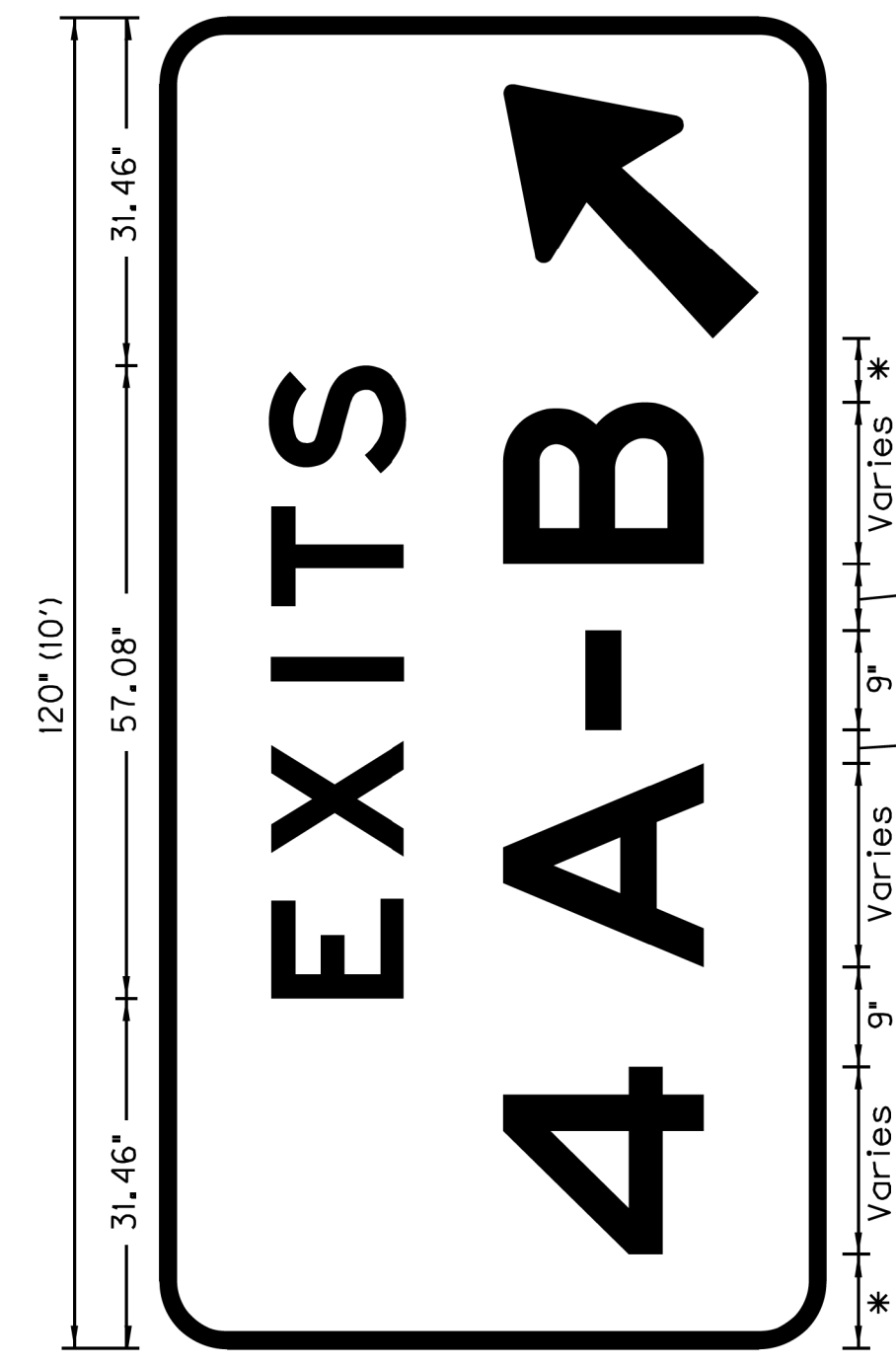
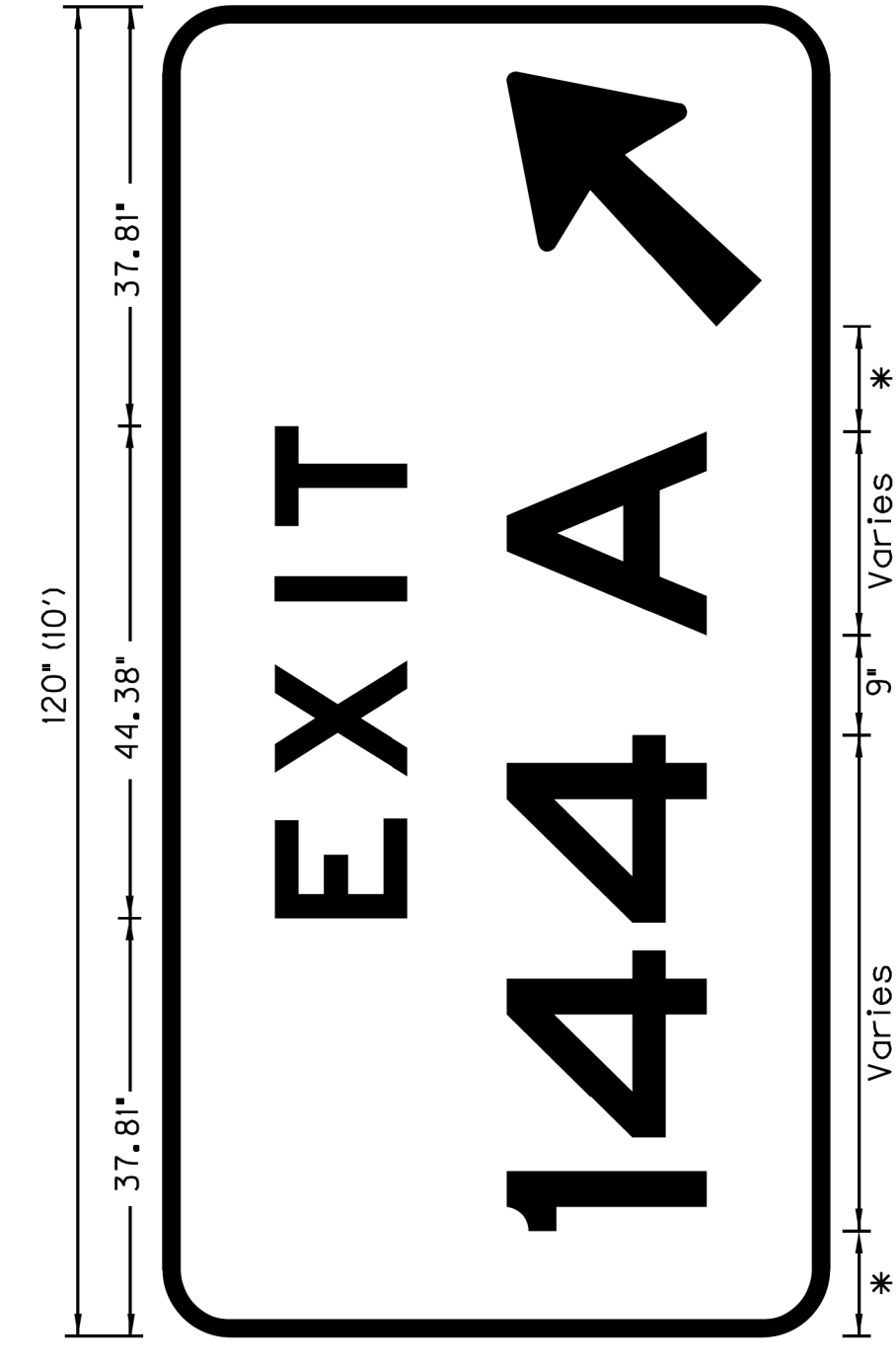
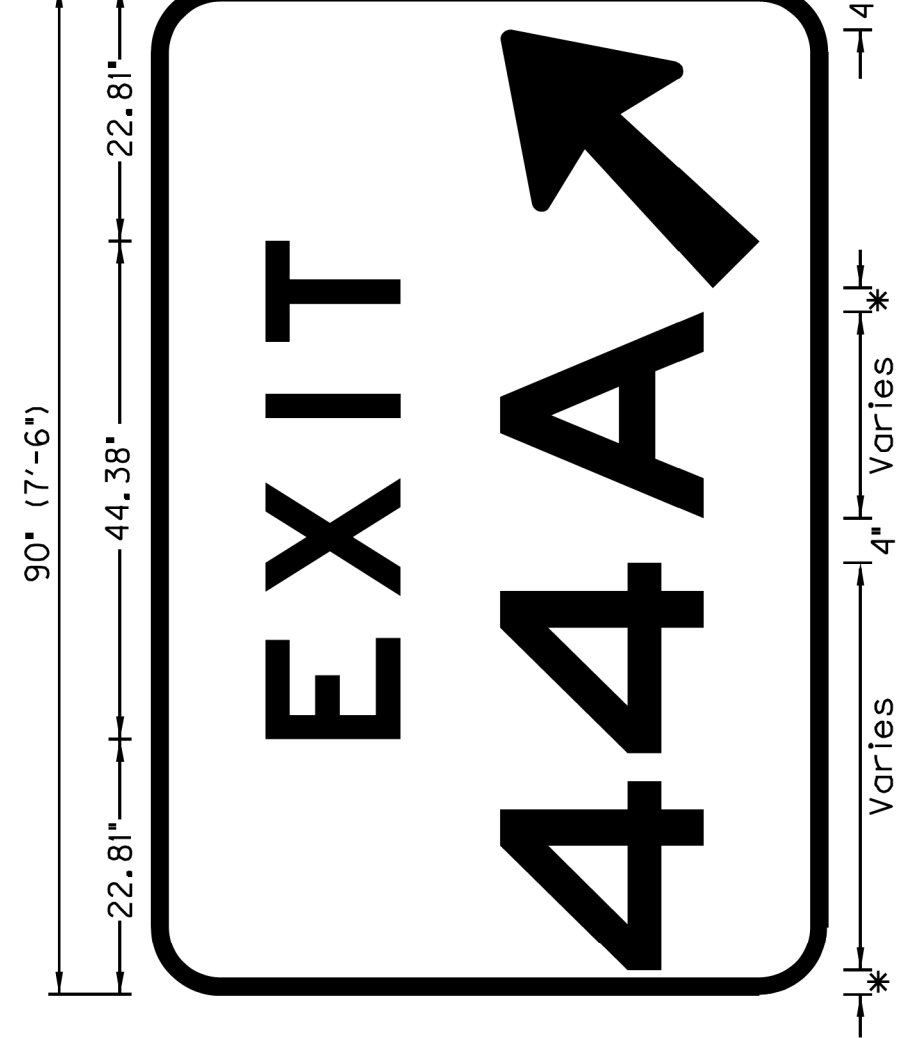
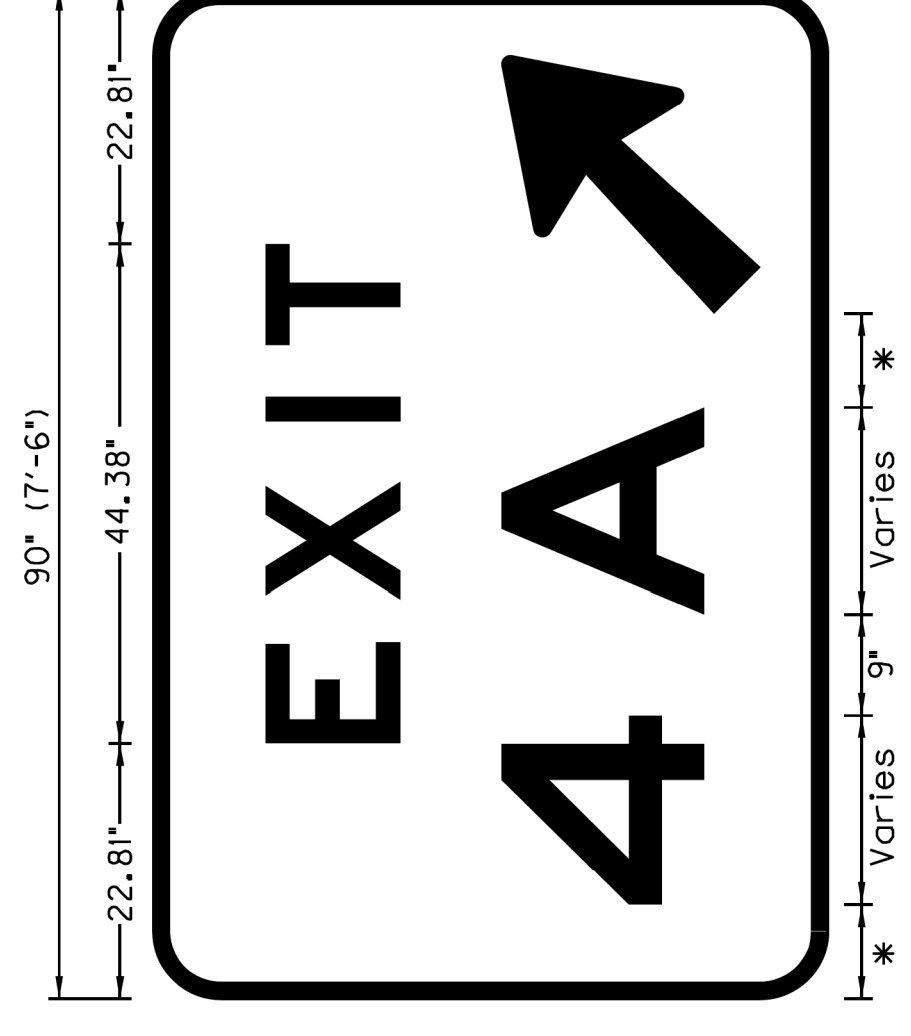
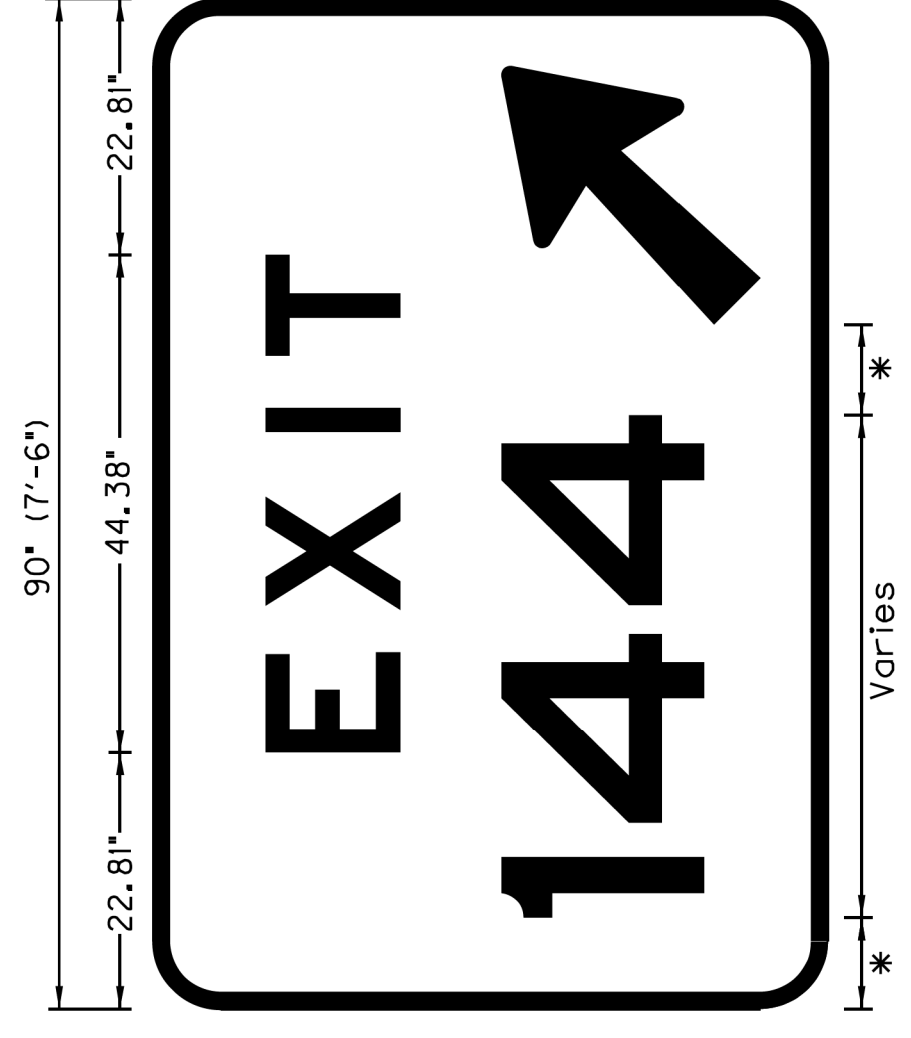


**GENERAL NOTES**

1. BORDER RADIUS SHALL BE 6"
2. BORDER THICKNESS SHALL BE 1.5 INCH.
3. \* - INDICATES THAT THE EXIT NUMBER & SUFFIX (IF USED) SHOULD BE CENTERED BETWEEN THE EDGE OF THE SIGN AND THE ARROW AS SHOWN.
- 4 DIMENSION SHALL BE UTILIZED FOR EACH DESIGN UNLESS OTHERWISE SHOWN.
- 5 INCREASE CHARACTER SPACING 225% AS SHOWN PER DIMENSIONS.



NOTE: THE NARROW EXIT CORE SIGN ABOVE MAY BE USED IN CORE AREAS OF LIMITED WIDTH WHERE THE WIDTH OF THE EXIT CORE SIGN WOULD NOT PERMIT SUFFICIENT LATERAL OFFSET (SEE MUTCD SECTION 2A.19), SUCH AS FOR RAMP DEPARTURES THAT ARE NEARLY PARALLEL TO THE MAINLINE ROADWAY WHERE THE EXIT CORE SIGN WOULD BE MOUNTED ON A NARROW ISLAND OR BARRIER.

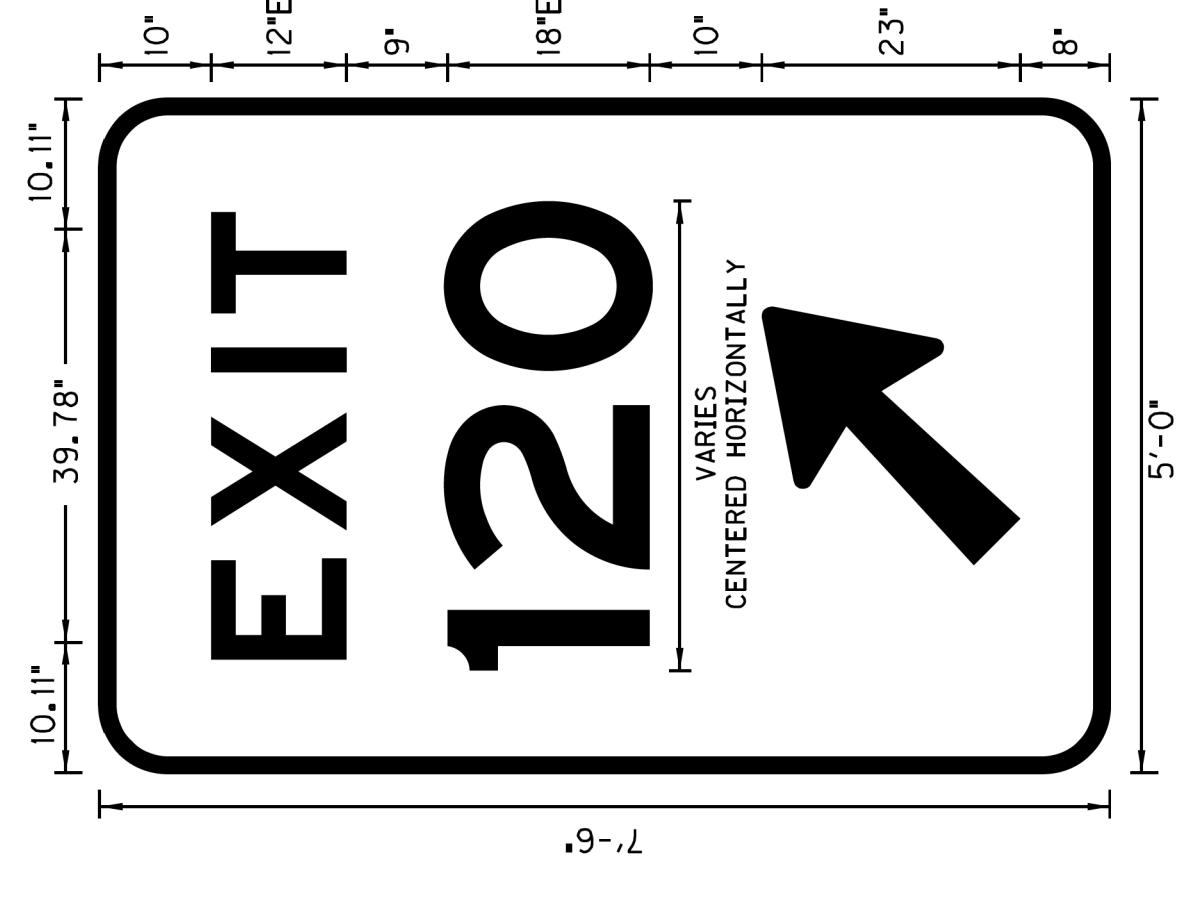
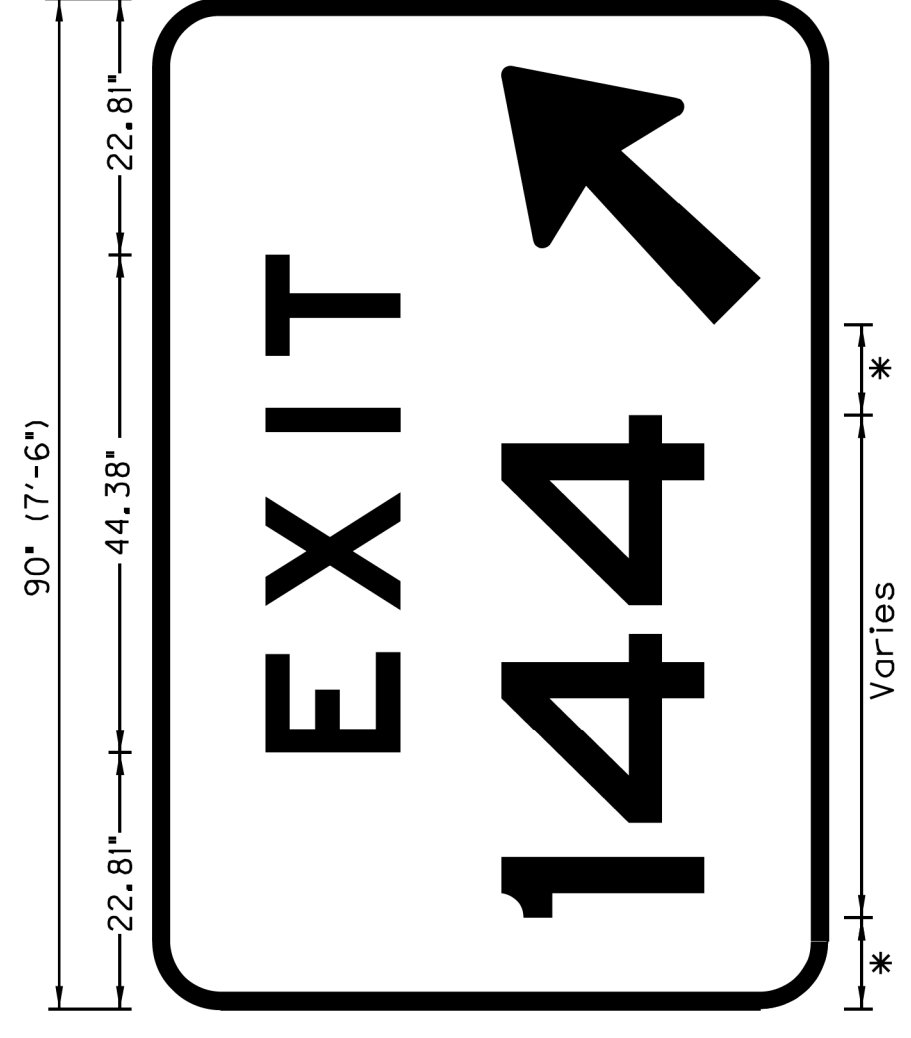
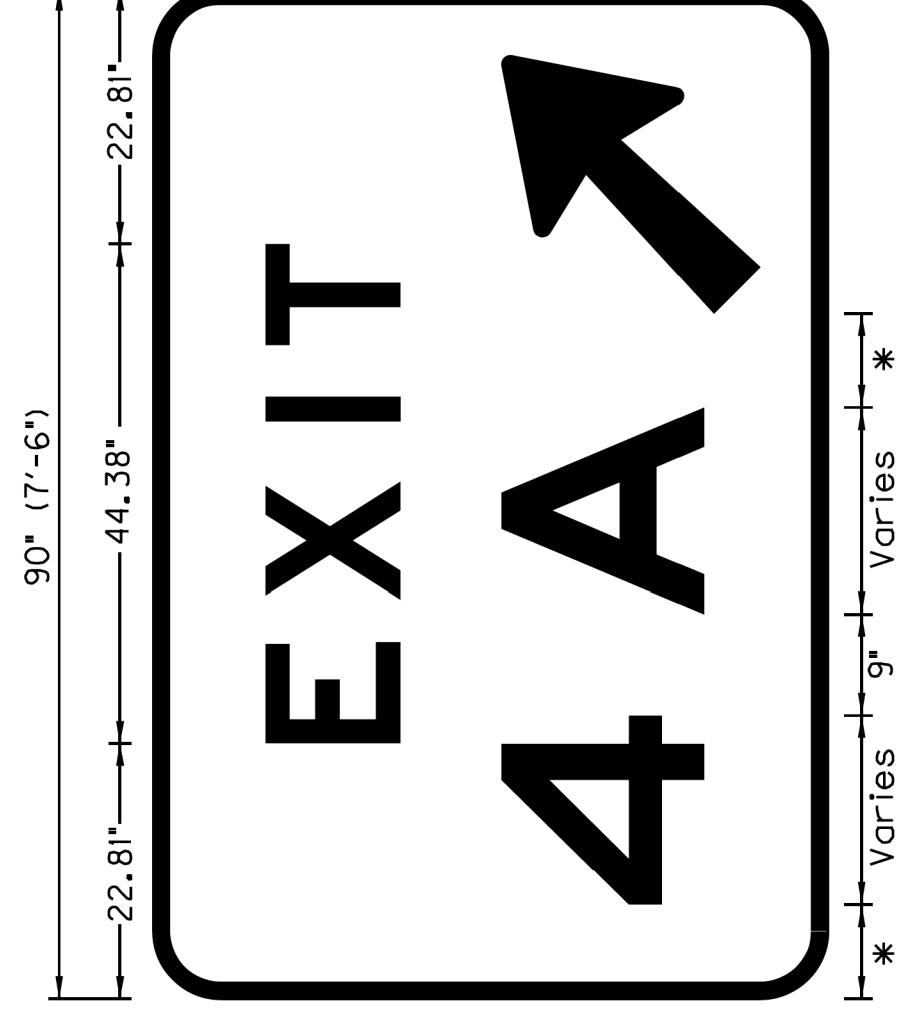
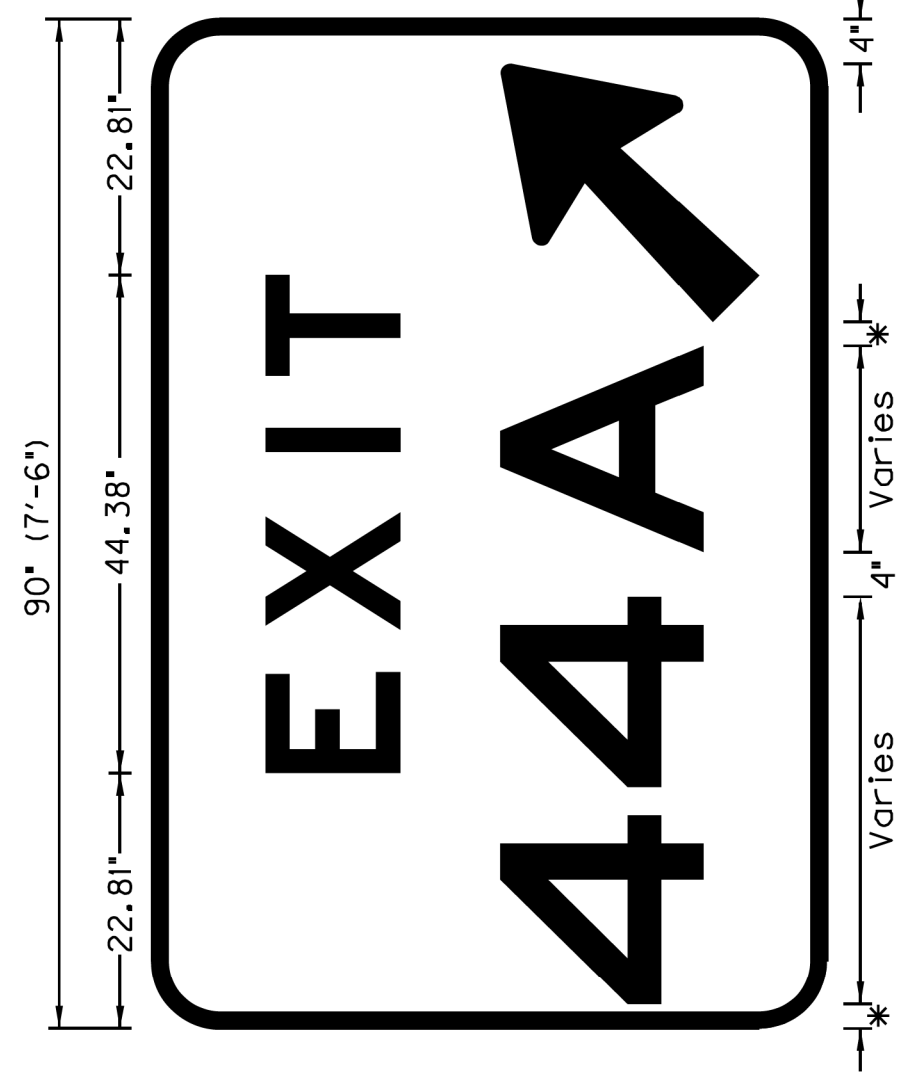
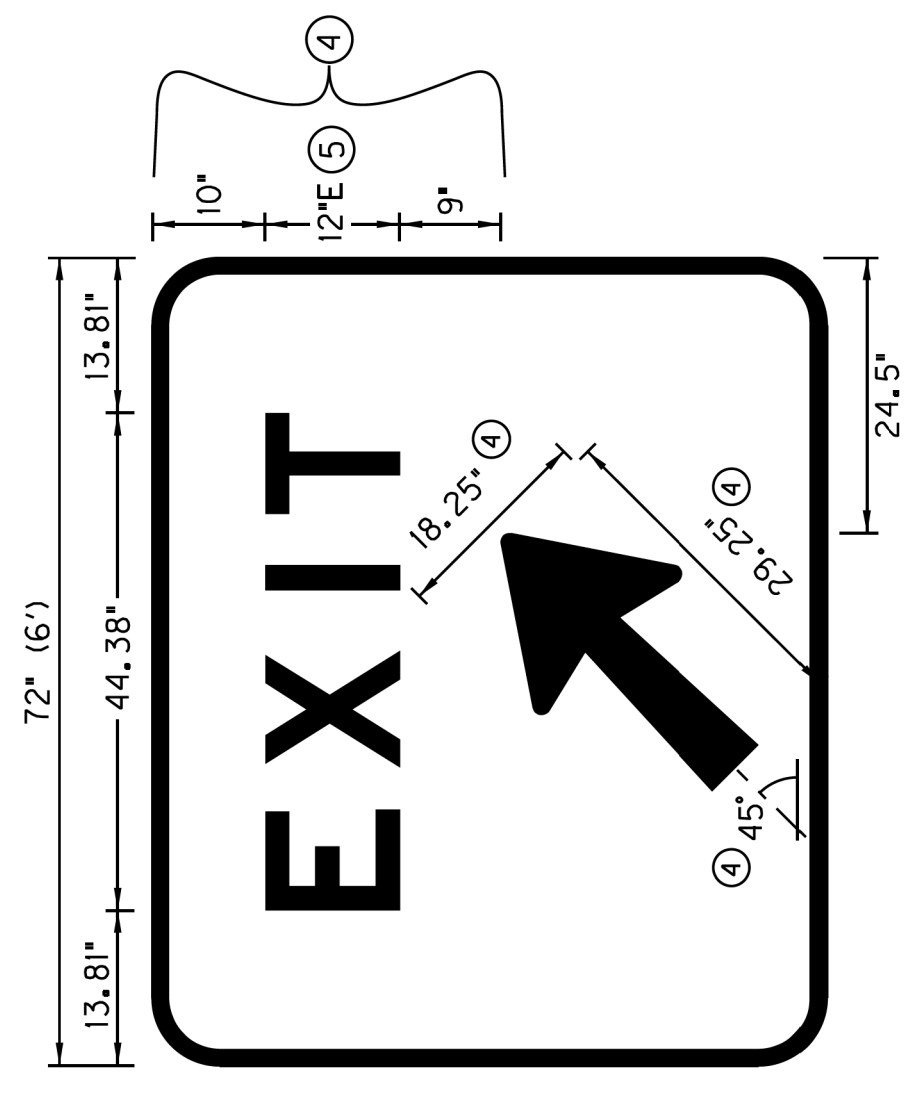
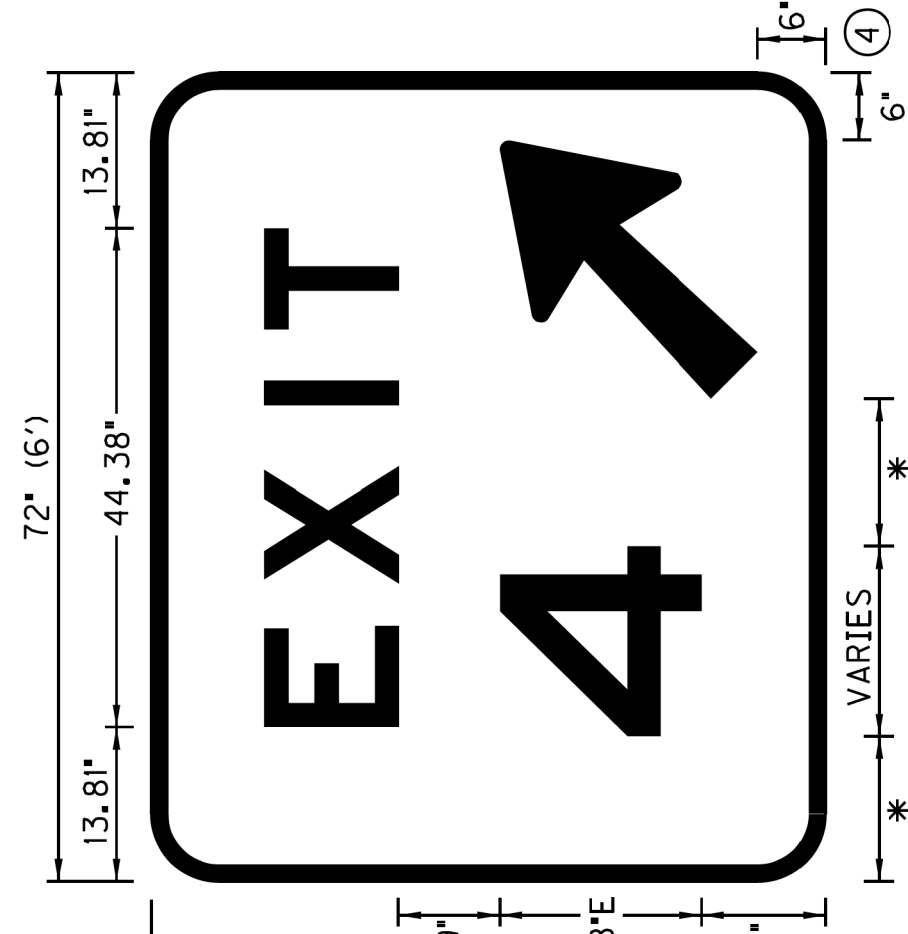
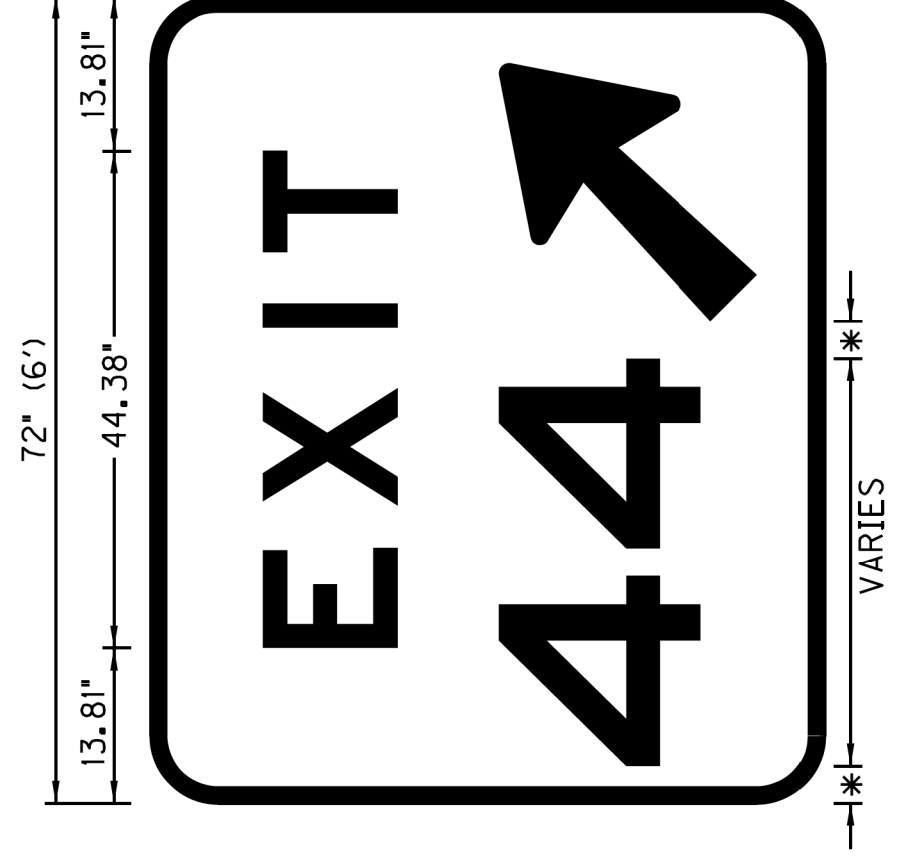


**EXIT CORE DETAIL SHEET 2 of 2**

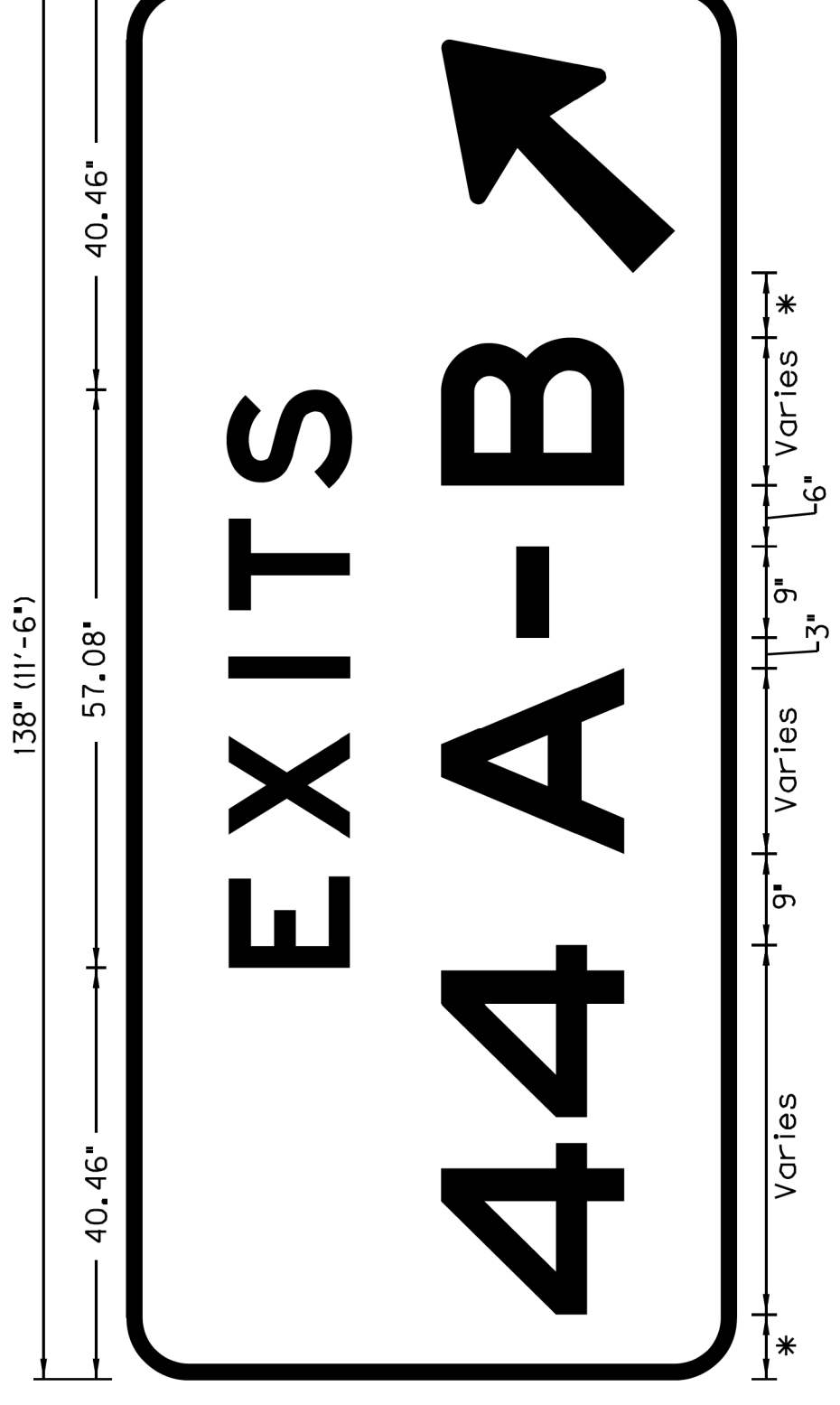
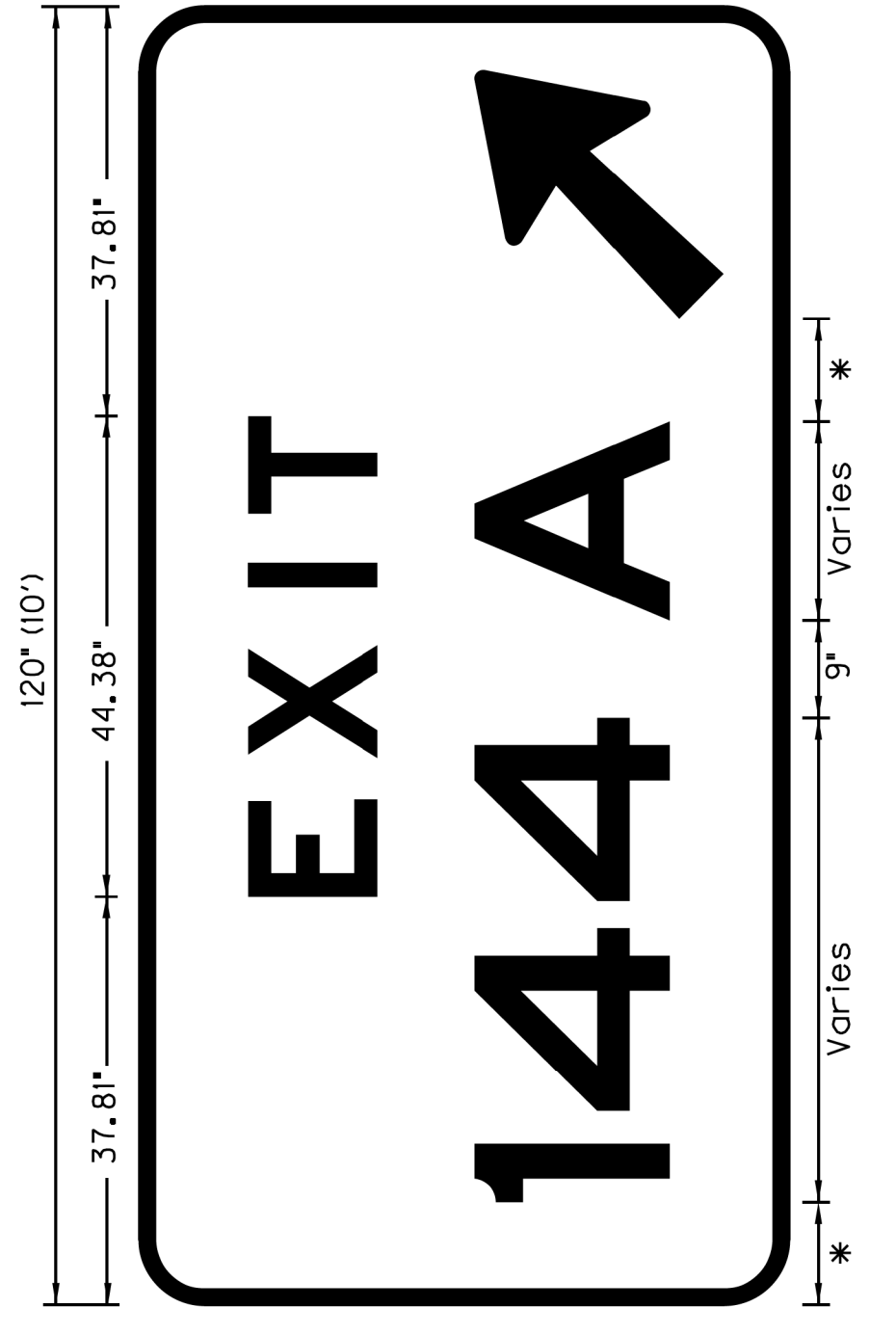
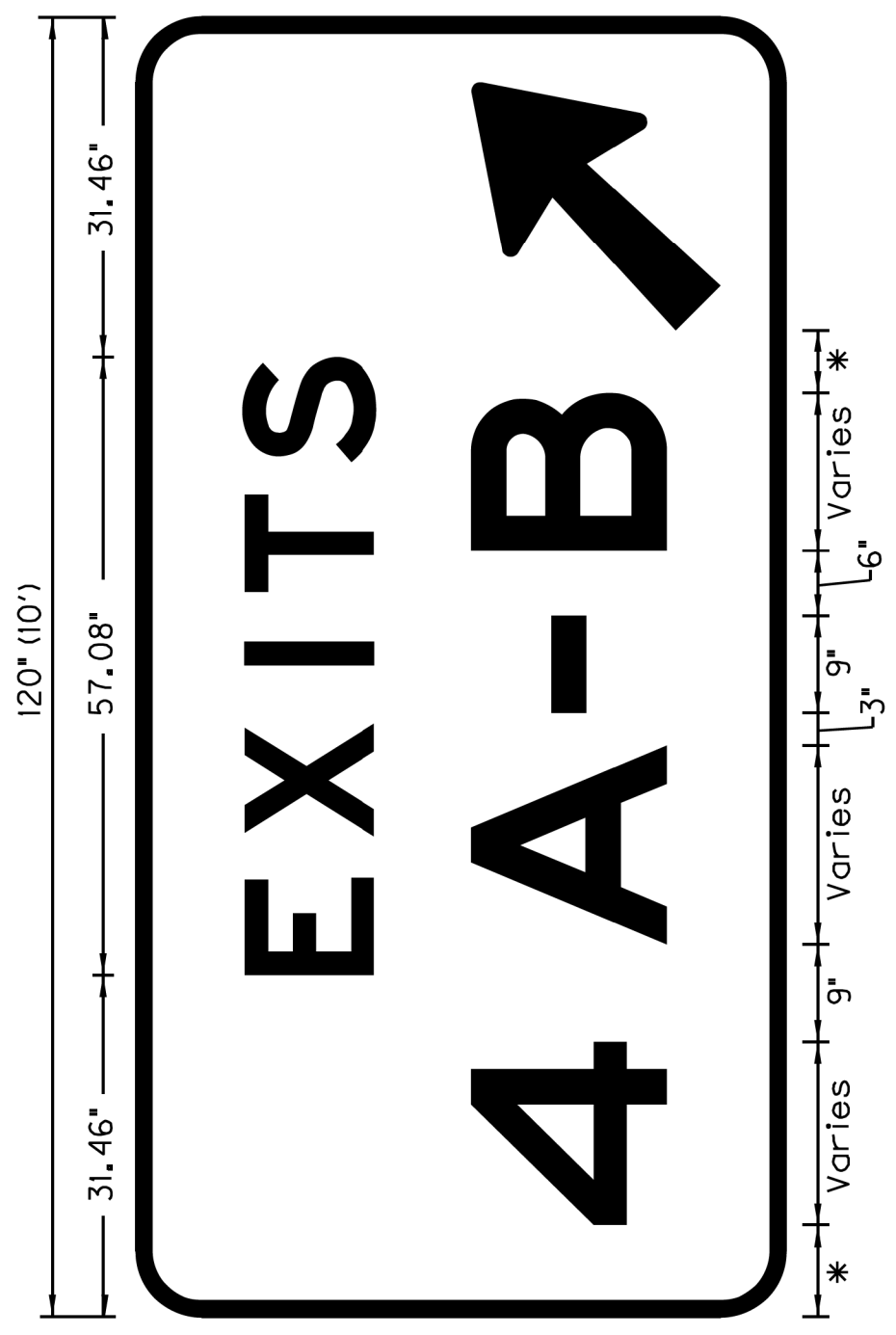
**NOT TO SCALE**

REVISED 5-20-2024  
NEW SHEET

- GENERAL NOTES**
- BORDER RADIUS SHALL BE 6"
  - BORDER THICKNESS SHALL BE 1.5 INCH.
  - \* - INDICATES THAT THE EXIT NUMBER & SUFFIX (IF USED) SHOULD BE CENTERED BETWEEN THE EDGE OF THE SIGN AND THE ARROW AS SHOWN.
  - (4) DIMENSION SHALL BE UTILIZED FOR EACH DESIGN UNLESS OTHERWISE SHOWN.
  - (5) INCREASE CHARACTER SPACING 225% AS SHOWN PER DIMENSIONS.



NOTE: THE NARROW EXIT CORE SIGN ABOVE MAY BE USED IN CORE AREAS OF LIMITED WIDTH WHERE THE WIDTH OF THE EXIT CORE SIGN WOULD NOT PERMIT SUFFICIENT LATERAL OFFSET (SEE MUTCD SECTION 2A.19), SUCH AS FOR RAMP DEPARTURES THAT ARE NEARLY PARALLEL TO THE MAINLINE ROADWAY WHERE THE EXIT CORE SIGN WOULD BE MOUNTED ON A NARROW ISLAND OR BARRIER.



**EXIT CORE DETAIL SHEET 2 of 2**

**NOT TO SCALE**