

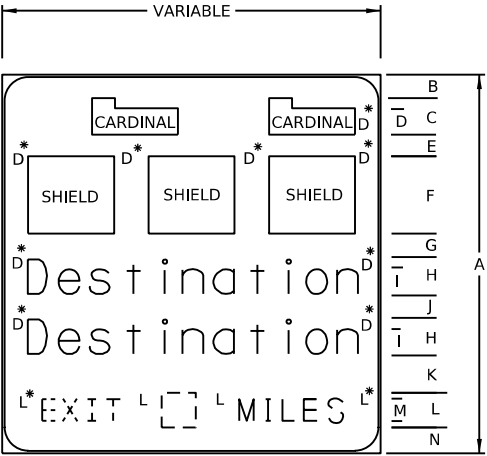
NOTES:

- SIGN DIMENSIONS:** WIDTHS AND HEIGHTS OF SIGNS SHALL BE IN MULTIPLES OF 6". THE SIGN HEIGHTS OF EXTRUDED ALUMINUM PANEL SIGNS ARE ACCEPTABLE IN MULTIPLES OF 6". THE INCREASED HEIGHTS OF SIGNS SHALL BE DISTRIBUTED EQUALLY BETWEEN THE LEGEND CLEARANCE DIMENSIONS AT THE TOP AND BOTTOM OF THE SIGN, WHEN THE USE OF EXTRUDED ALUMINUM PANELS RESULTS IN A VERTICAL SIGN DIMENSION GREATER THAN REQUIRED.
- SINGLE SHIELD:** WHEN MOUNTED ALONE, SHIELD SHALL BE CENTERED WITHIN THE WIDTH DIMENSION.
- MULTIPLE SHIELDS:** WHEN MULTIPLE SHIELDS ARE USED, THEY SHALL BE EVENLY SPACED WITHIN THE WIDTH DIMENSION AND SHALL BE ON THE SAME VERTICAL ALIGNMENT.
- SINGLE SHIELD WITH CARDINAL DIRECTION:** THE CARDINAL DIRECTION SHALL BE MOUNTED ON THE SAME SIDE OF THE SHIELD AS THE EXIT, WITH THE TOP LINE OF THE SHIELD AND THE CARDINAL AT THE SAME ELEVATION. CARDINALS MAY BE CENTERED OVER THE SHIELD WHEN THE SHIELD/CARDINAL BECOMES THE CONTROLLING LINE FOR THE WIDTH DIMENSION.
- MULTIPLE SHIELDS AND CARDINALS:** WHEN MULTIPLE SHIELDS ARE USED WITH CARDINALS, THE CARDINALS SHALL BE CENTERED OVER THE APPROPRIATE SHIELDS. A CARDINAL MAY BE CENTERED OVER TWO SHIELDS WHEN APPLICABLE.
- DESTINATION:** THE DESTINATION MESSAGE SHOULD ORDINARILY CONSIST OF NOT MORE THAN TWO DESTINATIONS. A DESTINATION MAY BE A CITY, TOWN OR VILLAGE NAME; A STREET NAME; OR THE NAME OF A LARGE TRAFFIC GENERATOR. FOR SUPPLEMENTAL GUIDE SIGNS, THE DESTINATION MAY BE ANY APPROVED SUPPLEMENTAL DESTINATION.
- ACTION MESSAGE:** THE ACTION MESSAGE SHALL CONSIST OF EITHER A DISTANCE INDICATION, A DIRECTION INDICATION, OR A LANE ASSIGNMENT ARROW.
- EXIT PANELS:** EXIT PANELS SHALL BE USED ON MAJOR GUIDE SIGNS WHENEVER EXIT NUMBERS HAVE BEEN ASSIGNED. WHEN USED, THEY SHALL BE INSTALLED ON THE SAME SIDE OF THE SIGN AS THE EXIT. WHEN EXIT PANELS ARE USED, THE WORD "EXIT" SHALL NOT BE USED IN THE MAIN SIGN'S ACTION MESSAGE. FOR NUMBERED EXITS TO THE LEFT, A LEFT EXIT NUMBER PLAQUE SHALL BE ADDED TO THE TOP LEFT-HAND EDGE OF THE SIGN. FOR NON-NUMBERED EXITS TO THE LEFT, A LEFT PLAQUE SHALL BE ADDED TO THE TOP LEFT-HAND EDGE OF THE SIGN.
- EXIT ONLY PANELS:** EXIT ONLY PANELS SHALL BE USED ONLY FOR A LANE DROP. THE PANELS SHALL BE YELLOW REFLECTORIZED BACKGROUND WITH BLACK LEGEND, AND SHALL BE DESIGNED TO FIT WITHIN THE WHITE BORDER OF THE COMPLETE SIGN PANEL. THE TOP OF THE EXIT ONLY PANEL SHOULD BE A MINIMUM OF 10.5" BELOW THE BOTTOM OF THE LOWEST DESTINATION. SEE SHEET 7 OF THIS STANDARD FOR DETAILS OF EXIT PANELS.
- INTERCHANGE CLASSIFICATION:** FOR FREEWAY AND EXPRESSWAY SIGNING PURPOSES, INTERCHANGES ARE CLASSIFIED AS MAJOR OR INTERMEDIATE AS DEFINED BELOW:
 - MAJOR/CATEGORY A -- INTERCHANGES WITH OTHER FREEWAYS OR EXPRESSWAYS.
 - MAJOR/CATEGORY B -- INTERCHANGES WITH HIGH-VOLUME MULTILANE HIGHWAYS, PRINCIPAL URBAN ARTERIALS AND MAJOR RURAL ROUTES WHERE THE INTERCHANGING TRAFFIC IS HEAVY OR INCLUDES MANY DRIVERS UNFAMILIAR WITH THE AREA.
 - INTERMEDIATE -- MOST INTERCHANGES WITH URBAN OR RURAL ROUTES.
- LEGEND SIZES:** WITH RESPECT TO NOTE 10, LETTER AND NUMERAL SIZES FOR ADVANCE GUIDE, EXIT DIRECTION, AND OVERHEAD SIGNS ARE:

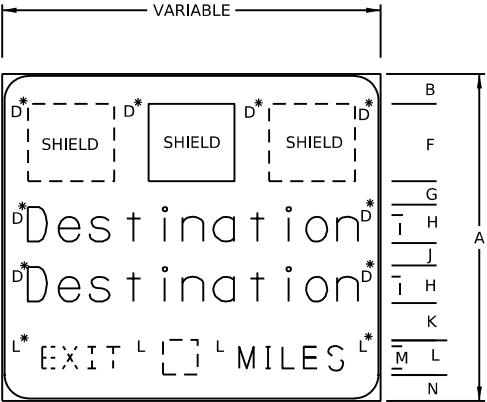
LEGEND TYPE		FREEWAYS			EXPRESSWAYS			OVER- HEAD SIGNS	CONVENTIONAL **	
		MAJOR		INTER- MEDIATE	MAJOR		INTER- MEDIATE		SINGLE LANE	MULTI- LANE
		CAT. A	CAT. B		CAT. A	CAT. B				
CARDINAL DIRECTION	FIRST LETTER	18"	18"	15"	18"	15"	12"	15"	8"	10.6"
	OTHER LETTERS	15"	15"	12"	15"	12"	10"	12"	6"	8"
DESTINATION		20"/15"	20"/15"	16"/12"	20"/15"	16"/12"	13.3"/10"	16"/12"	8"/6"	10.6"/8"
DISTANCE	NUMERAL	18"	18"	15"	18"	15"	12"	15"	8"	10.6"
	WORD	12"	12"	10"	12"	10"	10"	10"	6"	8"
ACTION MESSAGE		12"	12"	10"	12"	10"	10"	10"	6"	8"

** MAY ONLY BE USED ON CONVENTIONAL ROADS WITH A SPEED LIMIT LESS THEN OR EQUAL TO 40 MPH. IF A LOT OF BUSINESS SIGNS COMPETE FOR DRIVERS' ATTENTION, LARGER LEGEND AND ROUTE MARKER SHIELDS SHOULD BE CONSIDERED.

- LEGEND SPACING:** LEGEND SPACING SHALL FOLLOW THE PROCEDURES AND CHARTS SHOWN IN TC-8700C. SEE SHEET 13 OF THIS STANDARD FOR DESIGN DETAILS OF SHIELDS AND FOR THE SPACING OF CARDINAL DIRECTIONS.
- SERIES:** ALL UPPER CASE/LOWER CASE LEGEND FOR FREEWAY AND EXPRESSWAY SIGNS SHALL BE DETAILED WITH SERIES E MODIFIED AS SHOWN IN TC-8700C. ALL UPPER/LOWER CASE LEGEND FOR CONVENTIONAL ROAD SIGNS SHALL BE DETAILED WITH SERIES E MODIFIED FONT AS SHOWN IN TC-8700C. ALL CAPITAL LEGEND AND NUMERALS SHALL BE SERIES E, UNLESS OTHERWISE NOTED.
- COLOR:** UNLESS NOTED OTHERWISE, ALL SIGNS SHALL HAVE A GREEN REFLECTORIZED BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER OF THE TYPE SPECIFIED IN SECTION 1103 OF PUBLICATION 408.
- BORDERS:** ALL SIGNS SHALL HAVE A 2" BORDER WITH 12" CORNER RADII, UNLESS OTHERWISE NOTED.
- MUTCD:** SIGN DETAILS SHALL COMPLY WITH THIS STANDARD DRAWING AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), IF THERE IS ANY DISCREPANCY BETWEEN STANDARDS AND MUTCD, STANDARDS GOVERN.

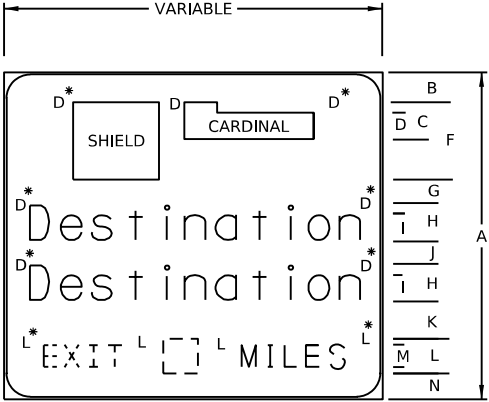


DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)													
		A	B	C	D	E	F	G	H	I	J	K	L	M	N
20/15	1	168	18	18	15	12	36	14	20	15		14	18	12	18
20/15	2	198	16	18	15	12	36	14	20	15	15	14	18	12	15
16/12	1	144	13.5	15	12	10	36	12	16	12		13	15	10	13.5
16/12	2	168	13.5	15	12	10	36	11	16	12	12	12	15	10	11.5
13.3/10	1	126	10.9	12	10	8	36	10	13.3	10		10	15	10	10.8
13.3/10	2	150	11.4	12	10	8	36	10	13.3	10	10	10	15	10	11
10.6/8	1	96	8.7	10	8	6	24	8	10.6	8		8	12	8	8.7
10.6/8	2	114	8.4	10	8	6	24	8	10.6	8	8	8	12	8	8.4
8/6	1	78	6	8	6	5	24	6	8	6		6	9	6	6
8/6	2	96	7	8	6	5	24	7	8	6	6	7	9	6	7

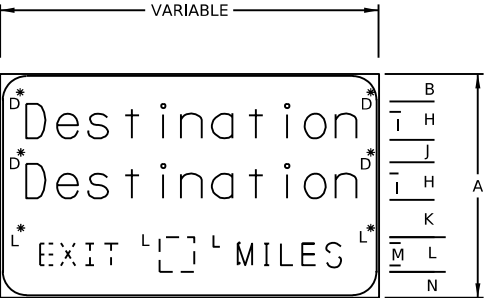


DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)													
		A	B	D	F	G	H	I	J	K	L	M	N		
20/15	1	132	15	15	36	14	20	15		14	18	12	15		
20/15	2	168	15.5	15	36	14	20	15	15	14	18	12	15.5		
16/12	1	120	13.5	12	36	13	16	12		13	15	10	13.5		
16/12	2	144	12.5	12	36	12	16	12	12	12	15	10	12.5		
13.3/10	1	108	11.8	10	36	10	13.3	10		10	15	10	11.9		
13.3/10	2	132	12.2	10	36	10	13.3	10	10	10	15	10	12.2		
10.6/8	1	84	9.7	8	24	9	10.6	8		9	12	8	9.7		
10.6/8	2	102	9.4	8	24	9	10.6	8	8	9	12	8	9.4		
8/6	1	66	6.5	6	24	6	8	6		6	9	6	6.5		
8/6	2	84	7	6	24	7	8	6	7	7	9	6	7		

* INDICATES MINIMUM SPACING.



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)													
		A	B	C	D	F	G	H	I	J	K	L	M	N	
20/15	1	132	15	18	15	36	14	20	15		14	18	12	15	
20/15	2	168	15.5	18	15	36	14	20	15	15	14	18	12	15.5	
16/12	1	120	13.5	15	12	36	13	16	12		13	15	10	13.5	
16/12	2	144	12.5	15	12	36	12	16	12	12	12	15	10	12.5	
13.3/10	1	108	11.8	12	10	36	10	13.3	10		10	15	10	11.9	
13.3/10	2	132	12.2	12	10	36	10	13.3	10	10	10	15	10	12.2	
10.6/8	1	84	9.7	10	8	24	9	10.6	8		9	12	8	9.7	
10.6/8	2	102	9.4	10	8	24	9	10.6	8	8	9	12	8	9.4	
8/6	1	66	6.5	8	6	24	6	8	6		6	9	6	6.5	
8/6	2	84	7	8	6	24	7	8	6	7	7	9	6	7	



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)													
		A	B	D	H	I	J	K	L	M	N				
20/15	1	84	16	15	20	15		14	18	12	16				
20/15	2	120	16.5	15	20	15	15	14	18	12	16.5				
16/12	1	72	14	12	16	12		13	15	10	14				
16/12	2	96	12.5	12	16	12	12	12	15	10	12.5				
13.3/10	1	60	10.8	10	13.3	10		10	15	10	10.9				
13.3/10	2	84	11.2	10	13.3	10	10	10	15	10	11.2				
10.6/8	1	48	8.7	8	10.6	8		8	12	8	8.7				
10.6/8	2	66	8.4	8	10.6	8	8	8	12	8	8.4				
8/6	1	36	6.5	6	8	6		6	9	6	6.5				
8/6	2	54	7.5	6	8	6	7	7	9	6	7.5				

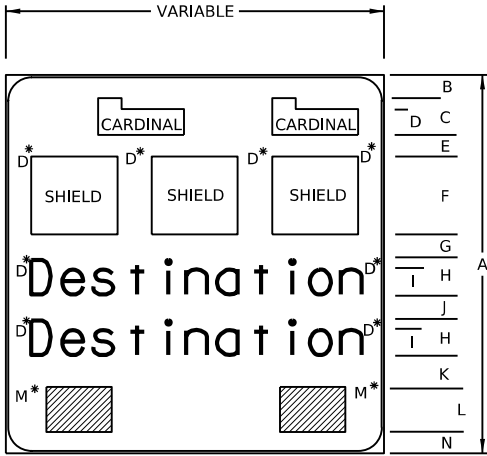
COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF OPERATIONS

SIGN DETAILS
 FREEWAY, EXPRESSWAY AND
 CONVENTIONAL ROADS
 GUIDE SIGNS

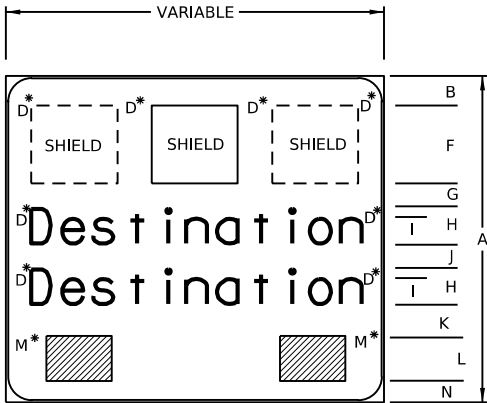
ADVANCE GUIDE SIGNS

RECOMMENDED _____	RECOMMENDED _____	SHEET 1 OF 13
MANAGER, TRAFFIC ENGINEERING AND PERMITS SECTION	CHIEF, HIGHWAY SAFETY AND TRAFFIC OPERATIONS DIVISION	

TC-8701D

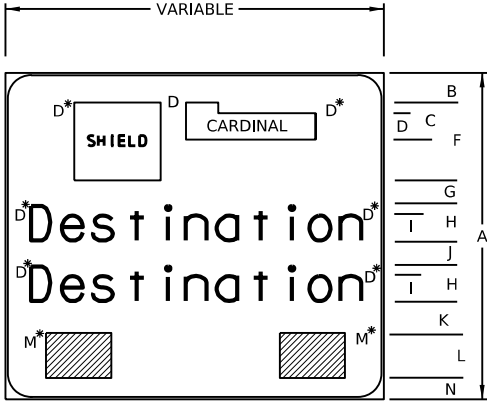







DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)													
		A	B	C	D	E	F	G	H	I	J	K	L	M	N
20/15	1	168	18	18	15	12	36	14	20	15		12	22	18	16
20/15	2	198	16	18	15	12	36	14	20	15	15	12	22	18	13
16/12	1	144	13.4	15	12	10	36	12	16	12		9.6	22	15	10
16/12	2	168	12.4	15	12	10	36	11	16	12	12	8.6	22	15	9
13.3/10	1	126	11.6	12	10	8	36	10	13.3	10		8.6	16.5	15	10
13.3/10	2	150	11.9	12	10	8	36	10	13.3	10	10	9	16.5	15	10
10.6/8	1	102	9.4	10	8	6	24	8	10.6	8		8	16.5	12	9.5
10.6/8	2	120	9.1	10	8	6	24	8	10.6	8	8	8	16.5	12	9.2
8/6	1	90	8.2	8	6	5	24	6	8	6		6	16.5	10	8.3
8/6	2	102	7.2	8	6	5	24	6	8	6	6	6	16.5	10	7.3

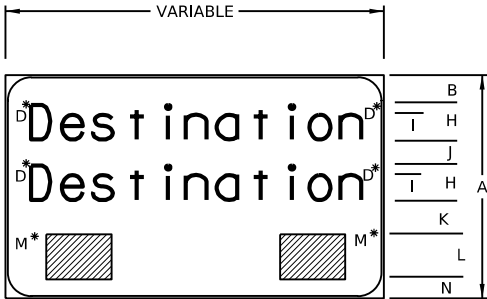







DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)												
		A	B	D	F	G	H	I	J	K	L	M	N	
20/15	1	132	15	15	36	14	20	15		12	22	18	13	
20/15	2	168	15.4	15	36	14	20	15	15	12	22	18	13.6	
16/12	1	120	13.4	12	36	13	16	12		9.6	22	15	10	
16/12	2	144	12	12	36	12	16	12	12	8.6	22	15	9.4	
13.3/10	1	108	12	10	36	10	13.3	10		9.4	16.5	15	10.8	
13.3/10	2	132	12.4	10	36	10	13.3	10	10	9.4	16.5	15	11.1	
10.6/8	1	84	8.4	8	24	8	10.6	8		8	16.5	12	8.5	
10.6/8	2	102	8.1	8	24	8	10.6	8	8	8	16.5	12	8.2	
8/6	1	78	7.7	6	24	7	8	6		7	16.5	10	7.8	
8/6	2	90	7.7	6	24	6	8	6	6	6	16.5	10	7.8	

* INDICATES MINIMUM SPACING.



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)													
		A	B	C	D	F	G	H	I	J	K	L	M	N	
20/15	1	132	15	18	15	36	14	20	15		12	22	18	13	
20/15	2	168	15.4	18	15	36	14	20	15	15	12	22	18	13.6	
16/12	1	120	13.4	15	12	36	13	16	12		9.6	22	15	10	
16/12	2	144	12	15	12	36	12	16	12	12	8.6	22	15	9.4	
13.3/10	1	108	12	12	10	36	10	13.3	10		9.4	16.5	15	10.8	
13.3/10	2	132	12.4	12	10	36	10	13.3	10	10	9.4	16.5	15	11.1	
10.6/8	1	84	8.4	10	8	24	8	10.6	8		8	16.5	12	8.5	
10.6/8	2	102	8.1	10	8	24	8	10.6	8	8	8	16.5	12	8.2	
8/6	1	78	7.7	8	6	24	7	8	6		7	16.5	10	7.8	
8/6	2	90	7.7	8	6	24	6	8	6	6	6	16.5	10	7.8	



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)										
		A	B	D	H	I	J	K	L	M	N	
20/15	1	84	16	15	20	15		12	22	18	14	
20/15	2	120	16.4	15	20	15	15	12	22	18	14.6	
16/12	1	72	14	12	16	12		9.6	22	15	10.4	
16/12	2	96	12.4	12	16	12	12	8.6	22	15	9	
13.3/10	1	60	11	10	13.3	10		9.4	16.5	15	9.8	
13.3/10	2	84	11.2	10	13.3	10	10	9.4	16.5	15	10.3	
10.6/8	1	54	9.4	8	10.6	8		8	16.5	12	9.5	
10.6/8	2	72	8.1	8	10.6	8	9	9	16.5	12	8.2	
8/6	1	48	8	6	8	6		7.5	16.5	10	8	
8/6	2	60	6.7	6	8	6	7	7	16.5	10	6.8	

NOTES:

- SIGNS ON THIS SHEET ARE TO BE USED OVERHEAD FOR LANE ASSIGNMENTS.
- REFER TO TC-8700C FOR ARROW DETAILS. TYPE C AND TYPE D ARROW DIMENSIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES, BUT TYPE A THROUGH TYPE D ARROWS MAY ALSO BE USED FOR THE SIGNS SHOWN ON THIS SHEET. THE TYPE A OR C ARROWS SHALL BE USED FOR THE 20"/15" AND 16"/12" LEGEND SIZES, AND THE TYPE B OR D ARROWS SHALL BE USED FOR THE 13.3"/10" LEGEND SIZE.
- ON OVERHEAD SIGNS WHERE DOWN ARROWS ARE USED TO INDICATE A LANE TO BE FOLLOWED, A DOWN ARROW SHALL BE POSITIONED APPROXIMATELY OVER THE CENTER OF EACH LANE AND SHALL POINT VERTICALLY DOWNWARD TOWARD THE APPROXIMATE CENTER OF THAT LANE. DOWN ARROWS SHALL BE USED ONLY ON OVERHEAD GUIDE SIGNS THAT RESTRICT THE USE OF SPECIFIC LANES TO TRAFFIC BOUND FOR THE DESTINATION(S) AND/OR ROUTE(S) INDICATED BY THESE ARROWS. DOWN ARROWS SHALL NOT BE USED UNLESS AN ARROW CAN BE LOCATED OVER AND POINTED TO THE APPROXIMATE CENTER OF EACH LANE THAT CAN BE USED TO REACH THE DESTINATION DISPLAYED ON THE SIGN.
- IF DOWN ARROWS ARE USED, HAVING MORE THAN ONE DOWN ARROW POINTING TO THE SAME LANE ON A SINGLE OVERHEAD SIGN (OR ON MULTIPLE SIGNS ON THE SAME OVERHEAD STRUCTURE) SHALL NOT BE PERMITTED.
- IT IS ACCEPTABLE TO HAVE ONLY ONE DOWN ARROW IF THERE IS A SINGLE LANE.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

SIGN DETAILS - FREEWAY,
EXPRESSWAY AND CONVENTIONAL
ROAD GUIDE SIGNS

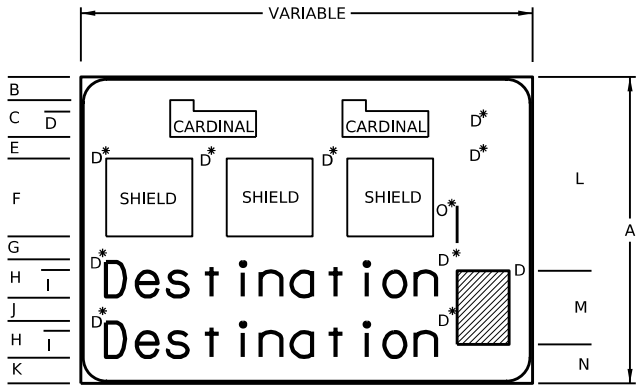
OVERHEAD LANE
ASSIGNMENT SIGNS

RECOMMENDED
MANAGER, TRAFFIC ENGINEERING AND
PERMITS SECTION

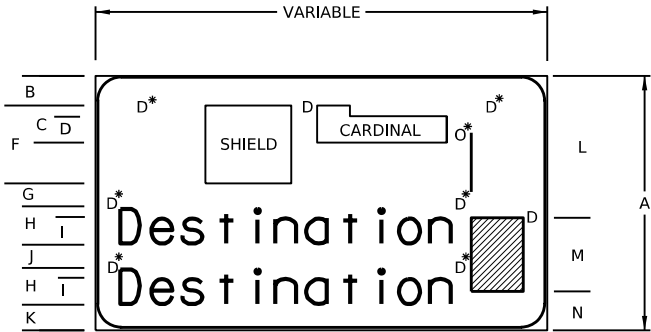
RECOMMENDED
CHIEF, HIGHWAY SAFETY AND TRAFFIC
OPERATIONS DIVISION

SHEET 2 OF 13

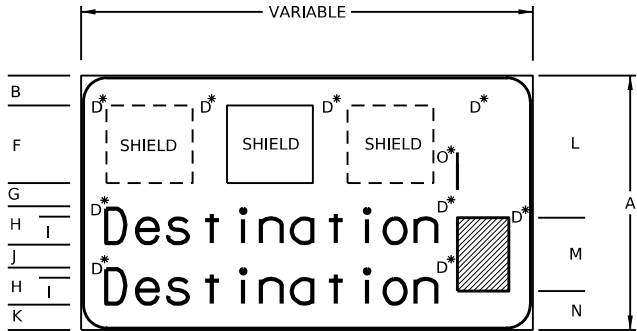
TC-8701D



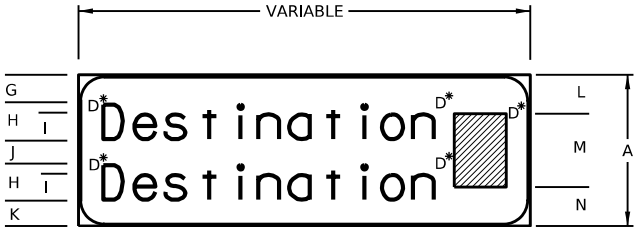
DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)														
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
20/15	1	132	16	18	15	12	36	14	20	15	*	16	83.4	32.6	16	*
20/15	2	168	16.6	18	15	12	36	14	20	15	15	16.4	110.4	32.6	25	*
16/12	1	114	13	15	12	10	36	11	16	12	*	13	68.4	32.6	13	8
16/12	2	144	13	15	12	10	36	12	16	12	12	14	92.4	32.6	19	*
13.3/10	1	102	11.3	12	10	8	36	10	13.3	10	*	11.4	58	32.6	11.4	8
13.3/10	2	126	11.7	12	10	8	36	10	13.3	10	10	11.7	77.4	32.6	16	*
10.6/8	1	78	9.7	10	8	6	24	8	10.6	8	*	9.7	41.5	26.8	9.7	8
10.6/8	2	96	9.4	10	8	6	24	8	10.6	8	8	9.4	58.6	26.8	10.6	*
8/6	1	66	7.5	8	6	5	24	6	8	6	*	7.5	31.7	26.8	7.5	8
8/6	2	84	7.3	8	6	5	24	7	8	6	7	9.7	49.9	26.8	7.3	*








DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)													
		A	B	C	D	F	G	H	I	J	K	L	M	N	O
20/15	1	102	16	18	15	36	14	20	15		16	53.4	32.6	16	
20/15	2	138	16.6	18	15	36	14	20	15	15	16.4	80.4	32.6	25	
16/12	1	90	13	15	12	36	12	16	12		13	44.4	32.6	13	8
16/12	2	120	14	15	12	36	12	16	12	12	14	68.4	32.6	19	
13.3/10	1	84	12	12	10	36	11	13.3	10		11.7	39.6	32.6	11.8	8
13.3/10	2	108	12.4	12	10	36	11	13.3	10	10	12	59.4	32.6	16	
10.6/8	1	60	8.7	10	8	24	8	10.6	8		8.7	24.5	26.8	8.7	8
10.6/8	2	78	8.4	10	8	24	8	10.6	8	8	8.4	41.6	26.8	9.6	
8/6	1	54	8	8	6	24	6	8	6		8	19.2	26.8	8	6
8/6	2	72	8.8	8	6	24	7	8	6	7	9.2	37.4	26.8	7.8	6



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)												
		A	B	D	F	G	H	I	J	K	L	M	N	O
20/15	1	102	16	15	36	14	20	15		16	53.4	32.6	16	
20/15	2	138	16.6	15	36	14	20	15	15	16.4	80.4	32.6	25	
16/12	1	90	13	12	36	12	16	12		13	44.4	32.6	13	8
16/12	2	120	14	12	36	12	16	12	12	14	68.4	32.6	19	
13.3/10	1	84	12	10	36	11	13.3	10		11.7	39.6	32.6	11.8	8
13.3/10	2	108	12.4	10	36	11	13.3	10	10	12	59.4	32.6	16	
10.6/8	1	60	8.7	8	24	8	10.6	8		8.7	24.5	26.8	8.7	8
10.6/8	2	78	8.4	8	24	8	10.6	8	8	8.4	41.6	26.8	9.6	
8/6	1	54	8	6	24	6	8	6		8	19.2	26.8	8	8
8/6	2	72	8.8	6	24	7	8	6	7	9.2	37.4	26.8	7.8	



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)									
		A	D	G	H	I	J	K	L	M	N
20/15	1	54	15	17	20	15		17	10.8	32.6	10.6
20/15	2	90	15	17.6	20	15	15	17.4	28.8	32.6	28.6
16/12	1	54	12	19	16	12		19	10.8	32.6	10.6
16/12	2	72	12	14	16	12	12	14	19.8	32.6	19.6
13.3/10	1	54	10	20.4	13.3	10		20.3	10.8	32.6	10.6
13.3/10	2	60	10	11.7	13.3	10	10	11.7	13.8	32.6	13.6
10.6/8	1	48	8	18.7	10.6	8		18.7	10.6	26.8	10.6
10.6/8	2	48	8	9.4	10.6	8	8	9.4	10.6	26.8	10.6
8/6	1	42	6	17	8	6		17	7.6	26.8	7.6
8/6	2	42	6	10	8	6	6	10	7.6	26.8	7.6

NOTES:

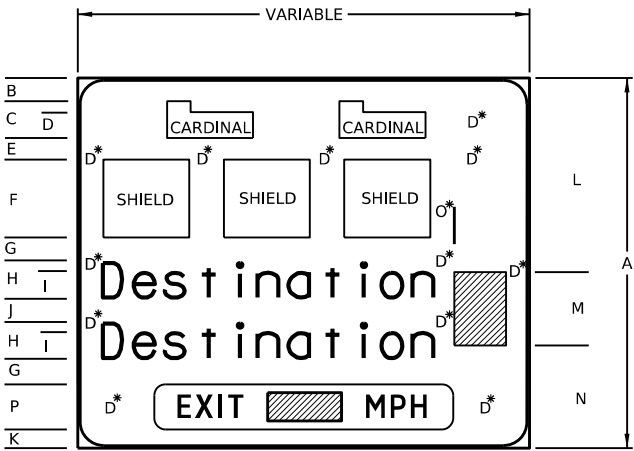
1. MAJOR GUIDE SIGNS FOR ALL LANE DROPS AT INTERSECTION SHALL BE MOUNTED OVERHEAD. AN EXIT ONLY SIGN PANEL SHALL BE USED FOR ALL INTERCHANGES LANE DROPS AT WHICH THE THROUGH ROUTE IS CARRIED ON THE MAINLINE.
2. REFER TO TC-8700C FOR ARROW DETAILS, ARROW DIMENSIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. USE TYPE E THROUGH TYPE J ARROWS FOR THE SIGNS SHOWN ON THIS SHEET.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

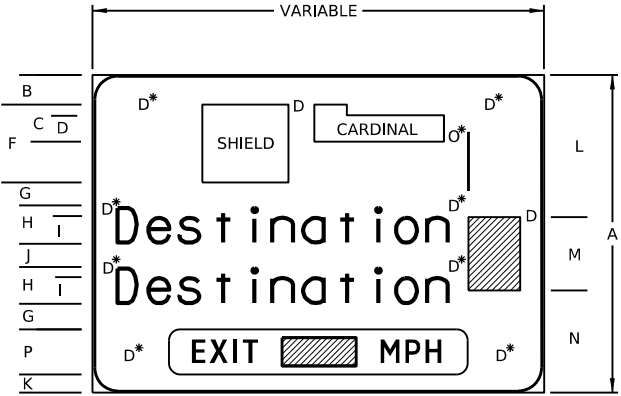
SIGN DETAILS
FREEWAY, EXPRESSWAY AND
CONVENTIONAL ROADS
GUIDE SIGNS

EXIT DIRECTION SIGNS

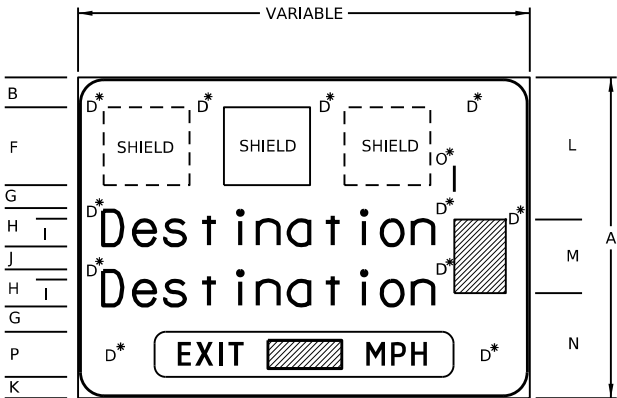
* INDICATES MINIMUM SPACING.



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)															
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
20/15	1	174	18	18	15	12	36	14	20	15		18	83.4	32.6	58		24
20/15	2	210	18.5	18	15	12	36	14	20	15	15	18.5	110.4	32.6	67		24
16/12	1	150	13.5	15	12	10	36	11	16	12		13.5	68.9	32.6	48.5	8	24
16/12	2	180	13	15	12	10	36	12	16	12	12	14	92.4	32.6	55		24
13.3/10	1	138	12.3	12	10	8	36	10	13.3	10		12.4	58	32.6	47.4	8	24
13.3/10	2	162	12.7	12	10	8	36	10	13.3	10	10	12.7	77.4	32.6	52		24
10.6/8	1	102	9.7	10	8	6	24	8	10.6	8		9.7	41.5	26.8	33.7	8	16
10.6/8	2	120	9.4	10	8	6	24	8	10.6	8	8	9.4	58.6	26.8	34.6		16
8/6	1	84	7	8	6	5	24	6	8	6		7	31.2	26.8	26	6	13
8/6	2	96	6	8	6	5	24	6	8	6	6	6	44.2	26.8	25	6	13

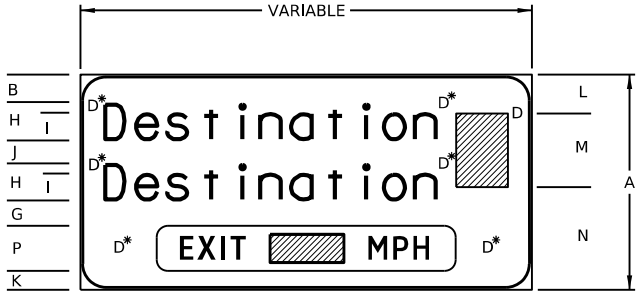


DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)														
		A	B	C	D	F	G	H	I	J	K	L	M	N	O	P
20/15	1	144	18	18	15	36	14	20	15		18	53.4	32.6	58		24
20/15	2	180	18.5	18	15	36	14	20	15	15	18.5	80.4	32.6	67		24
16/12	1	126	13	15	12	36	12	16	12		13	44.4	32.6	49	8	24
16/12	2	156	14	15	12	36	12	16	12	12	14	68.4	32.6	55		24
13.3/10	1	120	13	12	10	36	11	13.3	10		12.7	39.6	32.6	47.8	8	24
13.3/10	2	144	13.2	12	10	36	11	13.3	10	10	13.2	59.4	32.6	52		24
10.6/8	1	84	8.7	10	8	24	8	10.6	8		8.7	24.5	26.8	32.7	8	16
10.6/8	2	102	8.4	10	8	24	8	10.6	8	8	8.4	41.6	26.8	33.6		16
8/6	1	72	7.5	8	6	24	6	8	6		7.5	18.7	26.8	26.5	6	13
8/6	2	84	6.5	8	6	24	6	8	6	6	6.5	31.7	26.8	25.5	6	13



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)											
		A	B	D	F	G	H	I	J	K	L	M	N
20/15	1	144	18	15	36	14	20	15		18	53.4	32.6	58
20/15	2	180	18.5	15	36	14	20	15	15	18.5	80.4	32.6	67
16/12	1	126	13	12	36	12	16	12		13	44.4	32.6	49
16/12	2	156	14	12	36	12	16	12	12	14	68.4	32.6	55
13.3/10	1	120	13	10	36	11	13.3	10		13	39.6	32.6	47.8
13.3/10	2	144	13.2	10	36	11	13.3	10	10	13.2	59.4	32.6	52
10.6/8	1	84	8.7	8	24	8	10.6	8		8.7	24.5	26.8	32.7
10.6/8	2	102	8.4	8	24	8	10.6	8	8	8.4	41.6	26.8	33.6
8/6	1	72	7.5	6	24	6	8	6		7.5	18.7	26.8	26.5
8/6	2	84	6.5	6	24	6	8	6	6	6.5	31.7	26.8	25.5

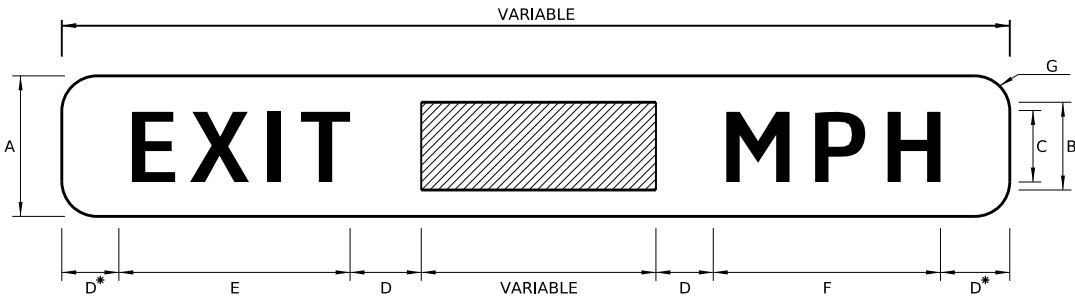
* INDICATES MINIMUM SPACING.



DEST. SIZE	DEST. LINES	DIMENSIONS (INCHES)											
		A	B	D	G	H	I	J	K	L	M	N	P
20/15	1	96	19	15	14	20	15		19	10.8	32.6	52.6	24
20/15	2	132	19.5	15	14	20	15	15	19.5	28.8	32.6	70.6	24
16/12	1	90	19	12	12	16	12		19	10.8	32.6	46.6	24
16/12	2	108	14	12	12	16	12	12	14	19.8	32.6	55.6	24
13.3/10	1	90	21.4	10	10	13.3	10		21.3	10.8	32.6	46.6	24
13.3/10	2	96	12.7	10	10	13.3	10	10	12.7	13.8	32.6	49.6	24
10.6/8	1	72	17.7	8	17.6	10.6	8		10.1	10.1	26.8	35.1	16
10.6/8	2	72	9.4	8	8	10.6	8	8	9.4	10.6	26.8	34.6	16
8/6	1	60	16	6	15.9	8	6		7.1	7.1	26.8	26.1	13
8/6	2	60	9.0	6	8.9	8	6	6	7.1	7.1	26.8	26.1	13

NOTES:

1. MAJOR GUIDE SIGNS FOR ALL LANE DROPS AT INTERSECTION SHALL BE MOUNTED OVERHEAD. AN EXIT ONLY SIGN PANEL SHALL BE USED FOR ALL INTERCHANGES LANE DROPS AT WHICH THE THROUGH ROUTE IS CARRIED ON THE MAINLINE.
2. WHERE EXTRA EMPHASIS OF AN ESPECIALLY LOW ADVISORY RAMP SPEED IS NEEDED, AN EXIT XX MPH SIGN PANEL MAY BE PLACED AT THE BOTTOM OF THE EXIT DIRECTION SIGN TO SUPPLEMENT, BUT NOT REPLACE, THE EXIT OR RAMP ADVISORY SPEED WARNING SIGNS. THE SIGN PANEL SHALL HAVE A YELLOW REFLECTORIZED BACKGROUND WITH BLACK NON-REFLECTORIZED LENGEND.
3. REFER TO TC-8700C FOR ARROW DETAILS. ARROW DIMENSIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES, USE TYPE E THROUGH TYPE J ARROWS FOR THE SIGNS SHOWN ON THIS SHEET.



EXIT ADVISORY SPEED PANEL

DEST. SIZE	DIMENSIONS (INCHES)						
	A	B	C	D	E	F	G
20/15	24	15 E	12 E	12	37.4	36.5	6
16/12	24	15 E	12 E	12	37.4	36.5	6
13.3/10	24	15 E	12 E	12	37.4	36.5	6
10.6/8	16	10 E	8 E	8	24.9	24.2	4
8/6	13	8 E	6 E	6	18.8	18.2	3.3

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

SIGN DETAILS - FREEWAY,
EXPRESSWAY AND CONVENTIONAL
ROAD GUIDE SIGNS

EXIT DIRECTION SIGNS WITH
ADVISORY SPEED PANEL

RECOMMENDED _____
MANAGER, TRAFFIC ENGINEERING AND
PERMITS SECTION

RECOMMENDED _____
CHIEF, HIGHWAY SAFETY AND TRAFFIC
OPERATIONS DIVISION

NOTES:

1.

THE GRAPHIC LEGEND SHALL BE OF A PLAN VIEW SHOWING A SIMPLIFIED OFF-RAMP ARRANGEMENT.
2.

NO OTHER SYMBOLS OR ROUTE SHIELDS SHALL BE USED AS A SUBSTITUTE FOR ARROWHEADS.
3.

ONLY ONE DESTINATION MAY BE SHOWN FOR EACH ARROWHEAD, WITH A MAXIMUM OF TWO DESTINATIONS PER SIGN.
4.

THE GRAPHIC SHOULD NOT DEPICT DECELERATION LANES. THE "EXIT ONLY" SIGN PANEL SHALL NOT BE USED ON A DIAGRAMMATIC GUIDE SIGNS IN ADVANCE OF THE INTERCHANGE.
5.

THE ARROWHEAD FOR THE DIVERGING MOVEMENT SHOULD BE POSITIONED LOWER ON THE SIGN THAN THE ARROWHEAD FOR THE MOVEMENT THAT CONTINUES STRAIGHT AHEAD, INDEPENDENT OF WHICH MOVEMENT CARRIES THE THROUGH ROUTE. WHERE THE MOVEMENTS ARE FREEWAY OR EXPRESSWAY SPLITS RATHER THAN EXITS, THE ARROWHEADS SHOULD BE POSITIONED AT APPROXIMATELY THE SAME HEIGHT ON THE SIGN.
6.

ARROW SHAFTS SHOULD CONTAIN LANE LINES WHERE APPROPRIATE AND ROUTE SHIELDS SHALL NOT BE USED AS A SUBSTITUTE FOR ARROWHEADS.
7.

ROUTE SHIELDS, CARDINAL DIRECTIONS, AND DESTINATIONS SHOULD BE CLEARLY RELATED TO THE ARROWHEAD, AND THE ARROWHEAD SHOULD POINT TOWARD THE ROUTE SHIELD FOR THE OFF MOVEMENT.
8.

THE CARDINAL DIRECTION SHOULD GENERALLY BE PLACED ADJACENT TO THE ROUTE SHIELD AND THE DESTINATION SHOULD BE PLACED BELOW AND JUSTIFIED WITH THE ROUTE SHIELD.
9.

EXIT NUMBER PANELS SHOULD BE LOCATED TOWARD THE TOP LEFT EDGE OF THE SIGN FOR A LEFT EXIT AND TOWARD THE TOP RIGHT EDGE FOR RIGHT EXITS.
10.

FOR NUMBERED EXITS, THE EXIT PANEL OR LEFT EXIT PANEL SHALL BE USED AT THE TOP OF THE SIGN. FOR UNNUMBERED LEFT EXITS, THE LEFT PLAQUE SHALL BE USED AT THE TOP LEFT EDGE OF THE SIGN.
11.

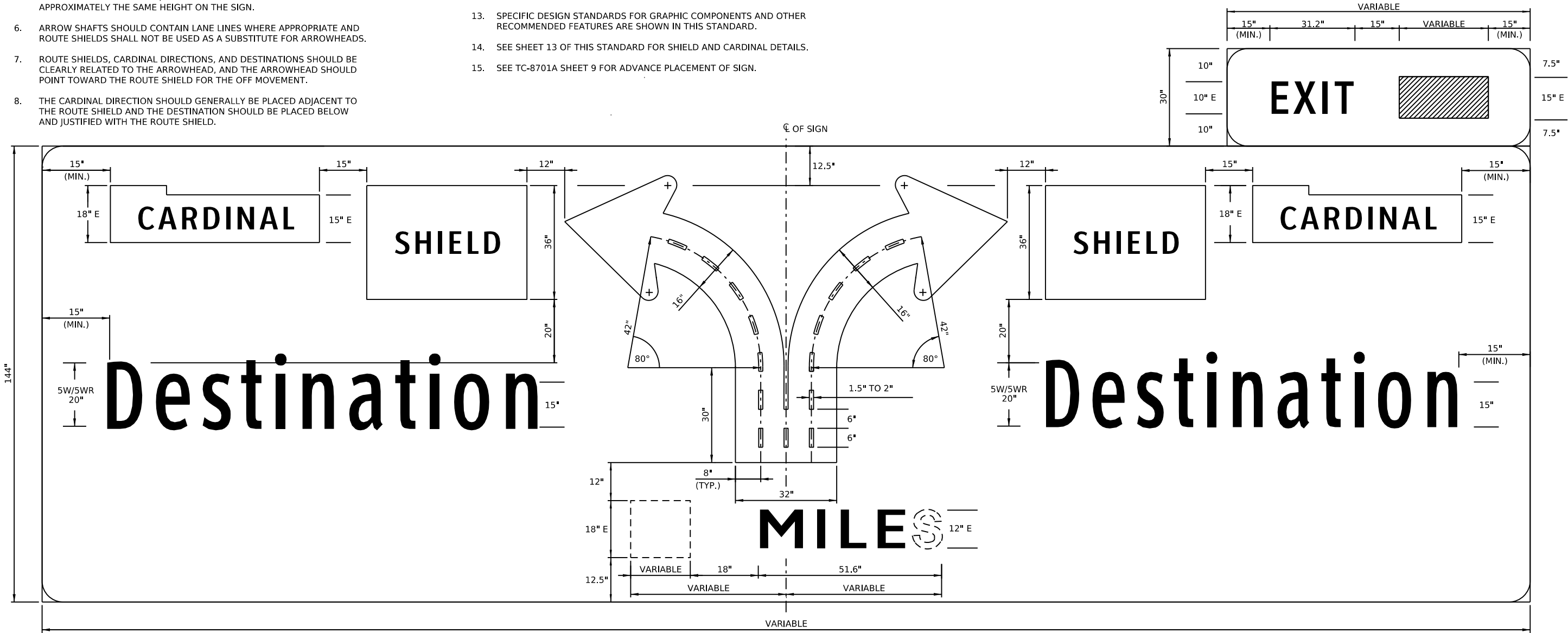
FOR EXITS OR SPLITS LEADING IN A SINGLE DIRECTION, THE CARDINAL DIRECTION SHOULD BE PLACED ADJACENT TO THE ROUTE SHIELD, AND THE DESTINATION SHOULD BE PLACED BELOW THE ROUTE SHIELD AND CARDINAL DIRECTION.
12.

THE EXIT ONLY SIGN PANELS SHALL BE USED ON THE EXIT DIRECTION SIGN AT THE THEORETICAL GORE, EXCEPT AT SPLITS OF TWO OVERLAPPING ROUTES WHERE NEITHER OF THE ROUTES IS DESIGNATED AS AN EXIT.
13.

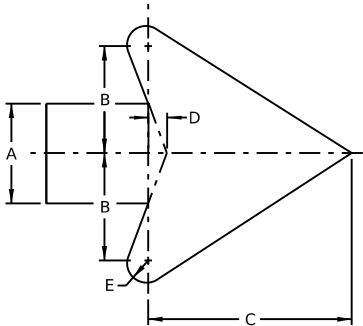
SPECIFIC DESIGN STANDARDS FOR GRAPHIC COMPONENTS AND OTHER RECOMMENDED FEATURES ARE SHOWN IN THIS STANDARD.
14.

SEE SHEET 13 OF THIS STANDARD FOR SHIELD AND CARDINAL DETAILS.
15.

SEE TC-8701A SHEET 9 FOR ADVANCE PLACEMENT OF SIGN.



A = 16"
B = 1.150 A = 18.4"
C = 2.030 A = 32.5"
D = 0.155 A = 2.5"
E = 0.200 A = 3.2"



ARROWHEAD DETAIL

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

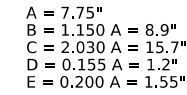
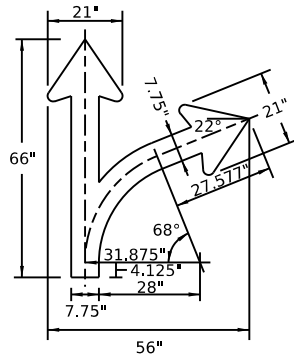
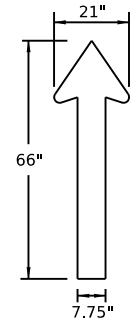
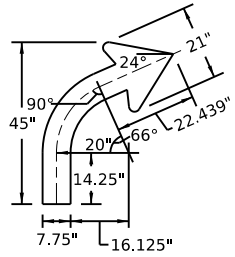
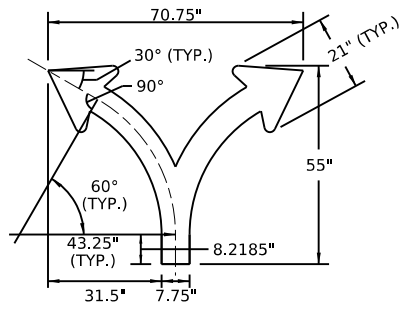
SIGN DETAILS
FREEWAY AND EXPRESSWAY
GUIDE SIGNS

DIAGRAMMATIC SIGNS

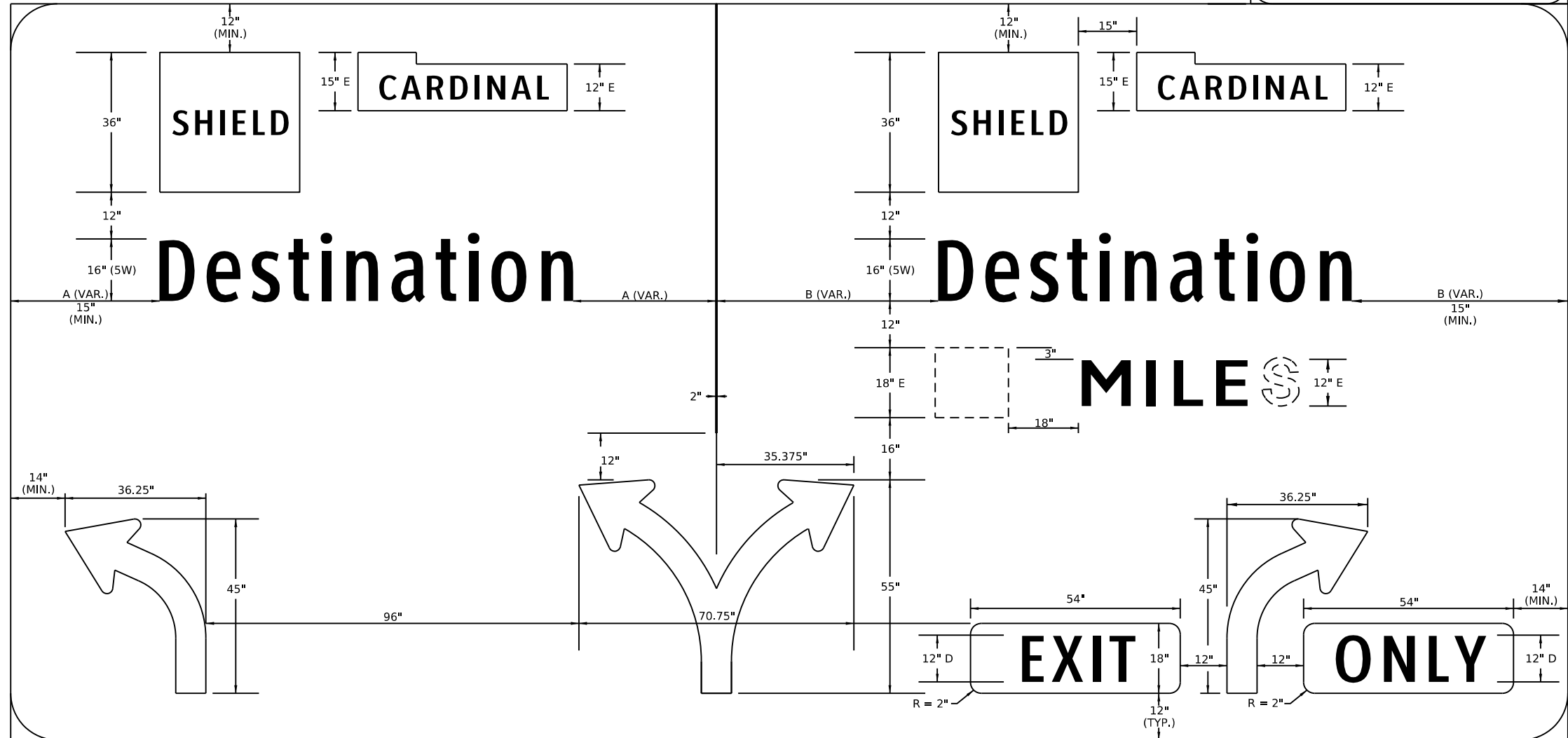
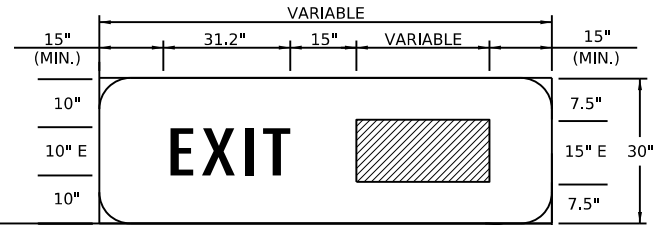
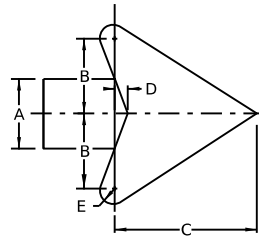
RECOMMENDED
MANAGER, TRAFFIC ENGINEERING AND
PERMITS SECTION

RECOMMENDED
CHIEF, HIGHWAY SAFETY AND TRAFFIC
OPERATIONS DIVISION

SHEET 5 OF 13
TC-8701D



ARROWHEAD DETAIL



NOTES:

- | | | |
|--|---|---|
| <p>1. OVERHEAD ARROW-PER-LANE GUIDES SIGNS USED ON FREEWAYS AND EXPRESSWAYS SHALL INCLUDE ONE ARROW ABOVE EACH LANE AND SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CRITERIA.</p> <p>2. THE SIGN SHALL INCLUDE AN UPWARD-POINTING ARROW FOR EACH LANE OF THE APPROACH TO THE SPLIT OR EXIT, AND THE SHAFT OF EACH ARROW SHALL BE LOCATED APPROXIMATELY OVER THE CENTER OF THE LANE WHICH IT APPLIES.</p> <p>3. ARROWS FOR CONTINUING THROUGH LANES SHALL BE VERTICALLY UPWARD POINTING UNLESS THOSE LANES ARE ON A SIGNIFICANTLY CURVED ALIGNMENT BEYOND THE THEORETICAL GORE, IN WHICH CASE THE ARROWS FOR THE CONTINUING THROUGH LANES SHALL INDICATE THE APPROXIMATE DEGREE OF CURVATURE.</p> <p>4. THE ARROW FOR A LANE THAT MUST EXIT SHALL BE CURVED IN THE DIRECTION OF THE EXIT AND SHALL BE BLACK-ON-YELLOW EXIT AND ONLY SIGN PANELS ADJACENT TO THE LOWER END OF THE ARROW SHAFT. THE BLACK-ON-YELLOW EXIT AND ONLY SIGN PANELS SHALL NOT BE USED FOR A SPLIT OF TWO OVERLAPPING ROUTES WHERE NEITHER OF THE DIVERGING ROUTES IS DESIGNED AS AN EXIT. WHERE THE THROUGH LANES CURVE AND THE EXIT CONTINUES ON A STRAIGHT ALIGNMENT, UPWARD-POINTING VERTICAL ARROWS SHALL BE USED FOR THE EXITING MOVEMENT AND CURVED ARROWS FOR THE THROUGH MOVEMENT.</p> <p>5. THE ARROW FOR AN OPTIONAL EXIT LANE THAT ALSO CARRIES THE THROUGH ROUTE SHALL HAVE A SINGLE SHAFT THAT BIFURCATES INTO A VERTICALLY UPWARD-POINTING ARROW AND A CURVING ARROW CORRESPONDING TO THE CONFIGURATION OF THE THROUGH AND EXIT LANES.</p> <p>6. FOR SPLITS WITH AN OPTION LANE, THE ARROW FOR THE LANE FROM WHICH EITHER DIRECTION OF THE SPLIT CAN BE ACCESSED SHALL HAVE A SINGLE SHAFT THAT BIFURCATES INTO TWO UPWARD-POINTING CURVING ARROWS SHOWING THE APPROXIMATE DEGREES OF CURVATURE OF THE TWO ROADWAYS BEYOND THE THEORETICAL GORE.</p> <p>7. A VERTICAL WHITE LINE SHALL BE USED TO SEPARATE THE ROUTE SHIELDS AND DESTINATIONS FOR THE TWO DIVERGING MOVEMENTS FROM EACH OTHER.</p> | <p>8. THE DISTANCE TO THE EXIT OR SPLIT SHALL BE DISPLAYED BELOW THE OFF-MOVEMENT DESTINATION ON THE ADVANCE SIGNS AT THE 1-MILE AND 2-MILE LOCATIONS.</p> <p>9. THE NUMBER OF LANES DISPLAYED ON A SIGN SHALL CORRESPOND TO THE NUMBER OF LANES AT THE LOCATION OF THAT SIGN. AN ADVANCE SIGN SHALL NOT DEPICT LANES THAT ARE ADDED DOWNSTREAM OF THE SIGN LOCATION.</p> <p>10. FOR NUMBERED EXITS, THE EXIT PANEL OR LEFT EXIT PANEL SHALL BE USED AT THE TOP OF THE SIGN IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. FOR UNNUMBERED LEFT EXITS, THE LEFT PLAQUE SHALL BE USED AT THE TOP LEFT EDGE OF THE SIGN.</p> <p>11. NO MORE THAN ONE DESTINATION SHOULD BE DISPLAYED FOR EACH MOVEMENT, AND NO MORE THAN TWO DESTINATIONS SHOULD BE DISPLAYED PER SIGN.</p> <p>12. THE ARROWHEAD(S) FOR THE DIVERGING MOVEMENT SHOULD BE POSITIONED LOWER ON THE SIGN THAN THE ARROWHEAD(S) FOR MOVEMENT THAT CONTINUES STRAIGHT AHEAD, INDEPENDENT OF WHICH MOVEMENT CARRIES THE THROUGH ROUTE. WHERE THE MOVEMENTS ARE FREEWAY OR EXPRESSWAY SPLITS RATHER THAN EXITS, THE ARROWHEADS SHOULD BE POSITIONED AT APPROXIMATELY THE SAME HEIGHT ON THE SIGN.</p> <p>13. ROUTE SHIELDS, CARDINAL DIRECTIONS, AND DESTINATIONS SHOULD BE POSITIONED ON THE SIGN SUCH THAT THEY ARE CLEARLY RELATED TO THE ARROWHEAD(S) FOR THE MOVEMENT TO WHICH THEY APPLY.</p> <p>14. THE CARDINAL DIRECTION SHOULD BE PLACED ADJACENT TO THE ROUTE SHIELD FOR EXITS OR SPLITS LEADING IN A SINGLE CARDINAL DIRECTION.</p> <p>15. THE VERTICAL WHITE LINE THAT IS USED TO SEPARATE THE ROUTE SHIELDS AND DESTINATIONS FOR THE TWO DIVERGING MOVEMENTS FROM EACH OTHER SHOULD NOT DESCEND BELOW THE TOP OF THE ARROWHEADS FOR THE THROUGH LANES, AND SHOULD BE POSITIONED APPROXIMATELY HALFWAY BETWEEN THE DIVERGING ARROWHEADS FOR THE OPTIONAL MOVEMENT LANE.</p> <p>16. WHERE EXTRA EMPHASIS OF AN ESPECIALLY LOW ADVISORY RAMP SPEED IS NEEDED, AN EXIT ADVISORY SPEED SIGN PANEL MAY BE PLACED BELOW THE APPLICABLE DESTINATION LEGEND TO SUPPLEMENT, BUT NOT TO REPLACE, THE EXIT OR RAMP ADVISORY SPEED WARNING SIGNS.</p> | <p>17. SPECIFIC DESIGN STANDARDS FOR GRAPHIC COMPONENTS AND OTHER RECOMMENDED FEATURES ARE SHOWN IN THIS STANDARD.</p> <p>18. SEE SHEET 13 OF THIS STANDARD FOR SHIELD AND CARDINAL DETAILS.</p> <p>19. THE "EXIT" AND "ONLY" PANELS SHALL HAVE A YELLOW REFLECTORIZED BACKGROUND WITH BLACK NONREFLECTORIZED LEGEND.</p> |
|--|---|---|

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

SIGN DETAILS

FREEWAY AND EXPRESSWAY

GUIDE SIGNS

OVERHEAD ARROW-PER-LANE SIGNS

RECOMMENDED _____

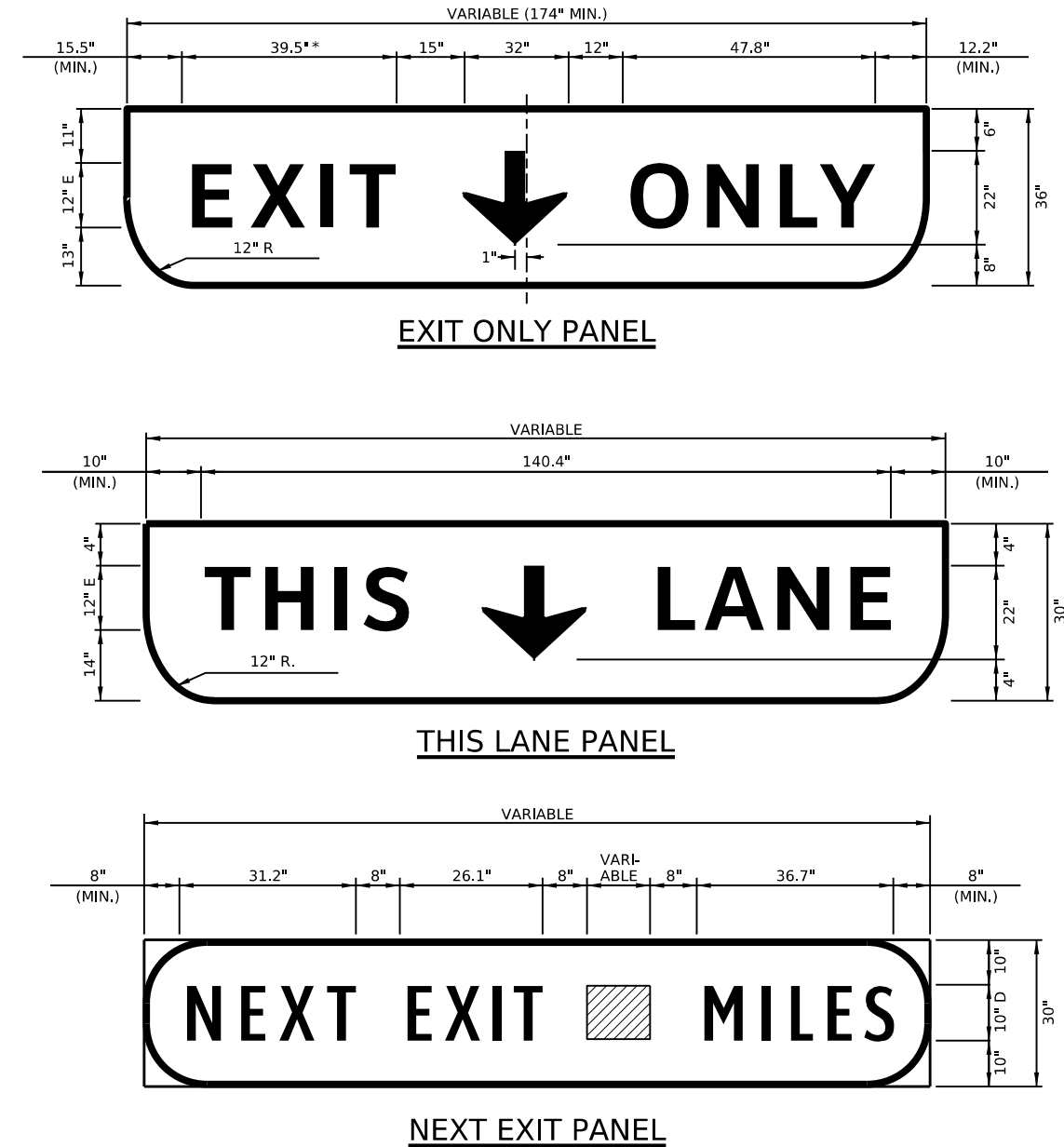
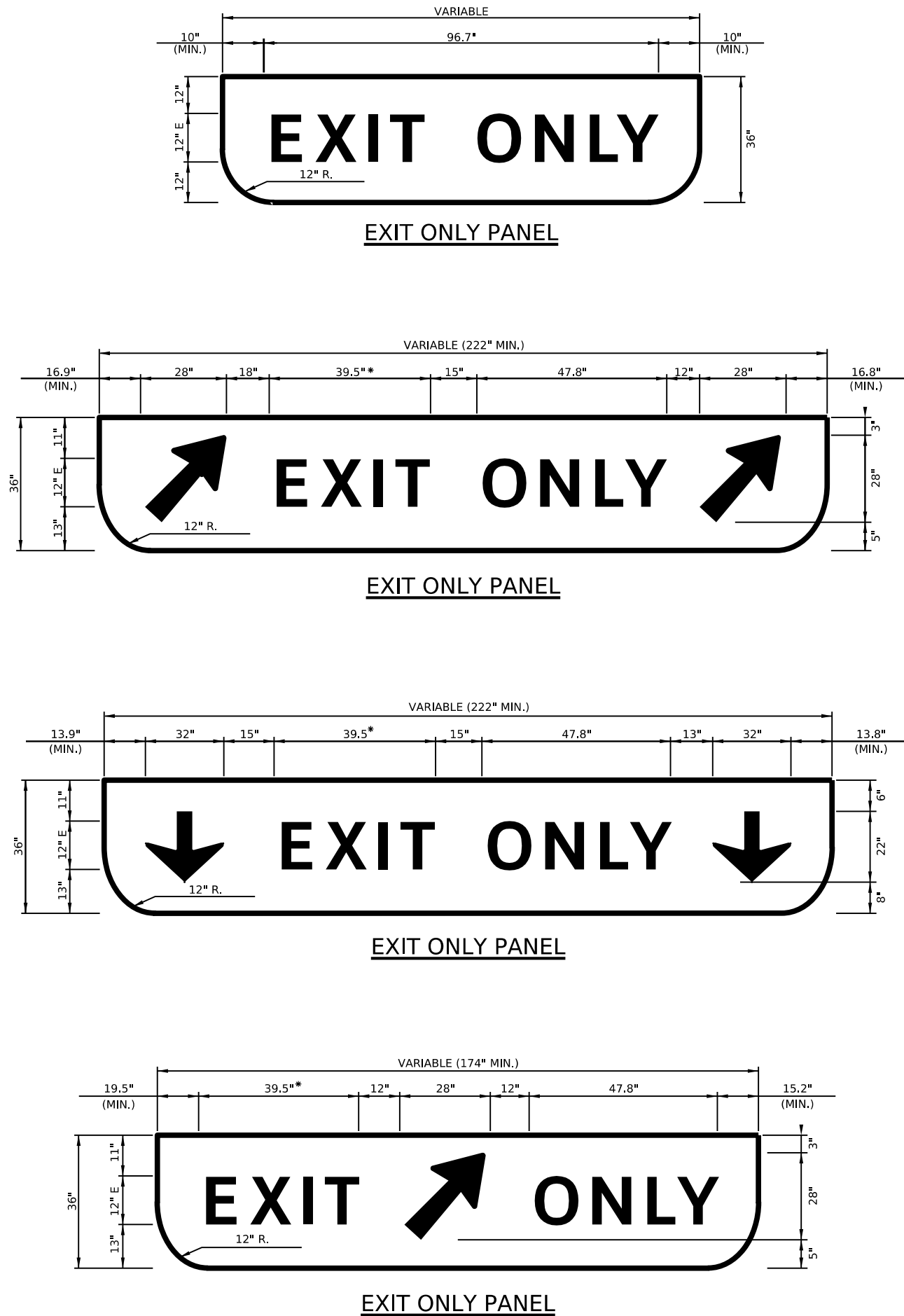
MANAGER, TRAFFIC ENGINEERING AND
PERMITS SECTION

RECOMMENDED _____

CHIEF, HIGHWAY SAFETY AND TRAFFIC
OPERATIONS DIVISION

SHEET 6 OF 13

TC-8701D

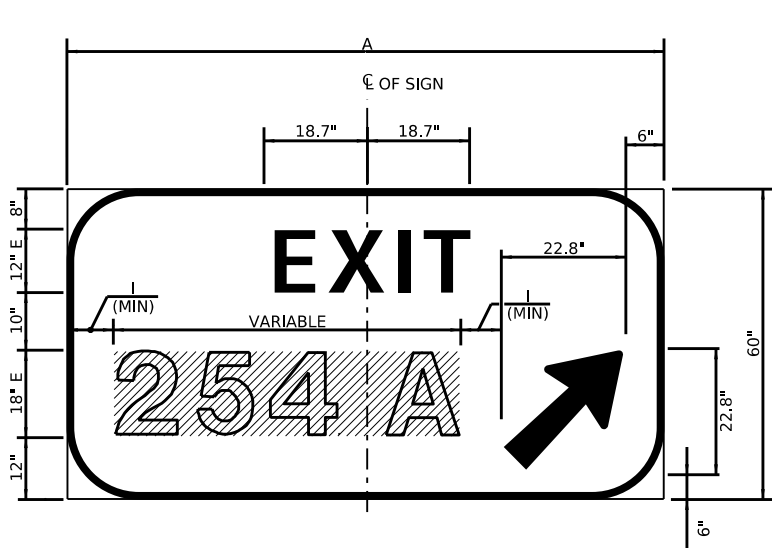


NOTES:

- EXIT ONLY AND THIS LANE PANELS SHALL HAVE A YELLOW REFLECTORIZED BACKGROUND AND BLACK NONREFLECTORIZED LEGEND WITH A 0.5" MARGIN AND 1.5" BLACK BORDER.
- REFER TO TC-8700C FOR ARROW DETAILS. TYPE N ARROW SHALL BE USED ON THE GORE SIGNS, AND TYPE C ARROW SHALL BE USED ON THE EXIT ONLY AND THIS LANE PANELS.
- REFER TO NOTE 18 ON SHEET 1 OF TC-8701A FOR INSTALLATION REQUIREMENTS OF THE NEXT EXIT () MILES SIGN.

*INCREASE SPACING BETWEEN LETTERS BY 40%

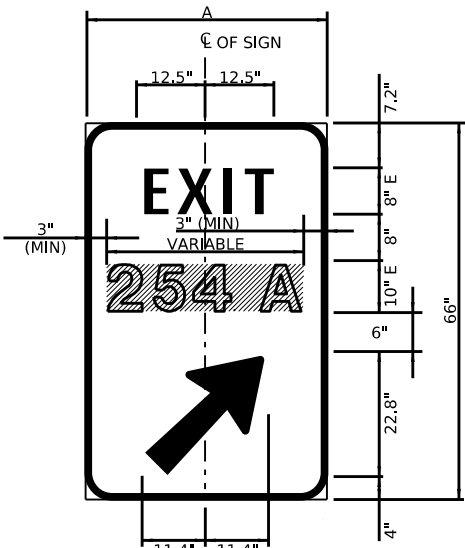
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF OPERATIONS		
SIGN DETAILS FREEWAY AND EXPRESSWAY GUIDE SIGNS		
EXIT ONLY & NEXT EXIT PANELS		
RECOMMENDED _____	RECOMMENDED _____	SHEET 7 OF 13
MANAGER, TRAFFIC ENGINEERING AND PERMITS SECTION	CHIEF, HIGHWAY SAFETY AND TRAFFIC OPERATIONS DIVISION	TC-8701D



NUMBER OF		DIMENSIONS (INCHES)	
DIGITS	LETTERS	A	I (MIN)
1	0	72	13.3
2	0	84	10
1	1*	96	11.8
3	0	96	6.7
2	1*	108	8.5
3	1*	120	5.2

* 9" FOR DIGIT TO LETTER SPACING

TYPE I
(STANDARD)

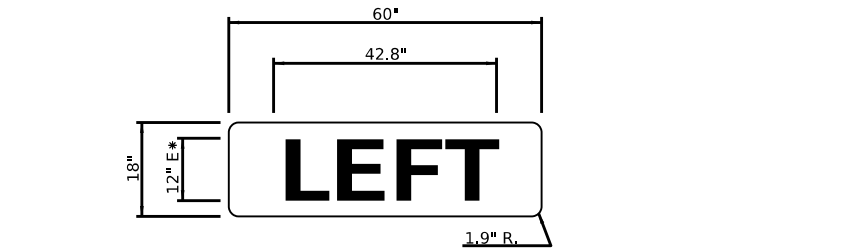


BORDER: 1.4"
CORNER RADII: 4"

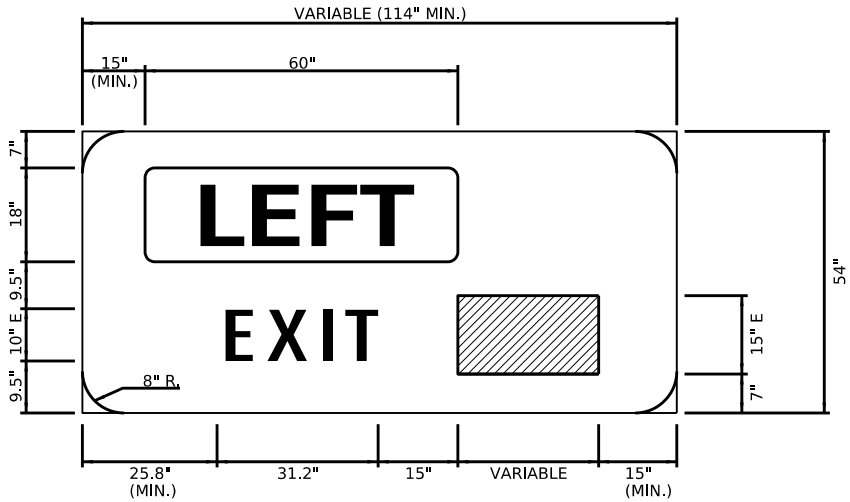
NUMBER OF		DIMENSIONS mm (INCHES)	
DIGITS	LETTERS	A	
1	0	36	
2	0	36	
1	1**	36	
3	0	36	
2	1**	48	
3	1**	54	

** USE 15" FOR
DIGIT TO LETTER SPACING

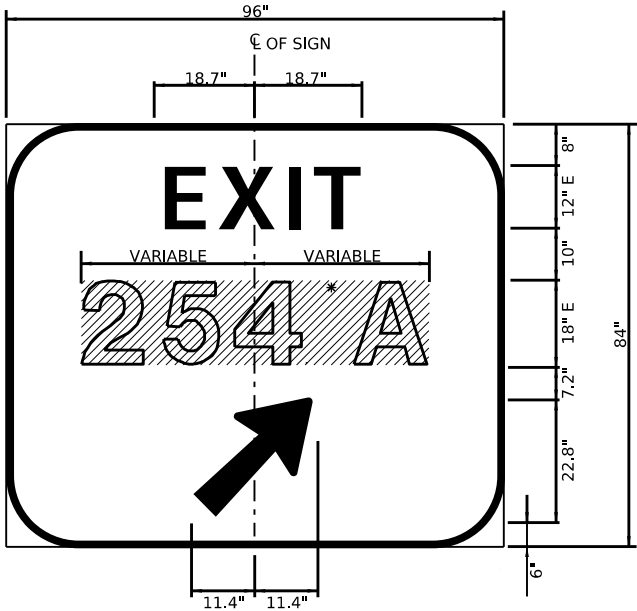
TYPE III
(SPECIAL CASE - USE ONLY WHEN LATERAL
SPACING PROHIBITS THE USE OF TYPE II)



* INCREASE SPACING BY 25%
LEFT PANEL

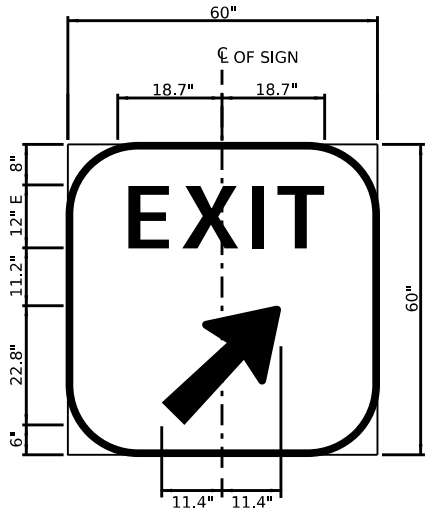


LEFT EXIT PANEL



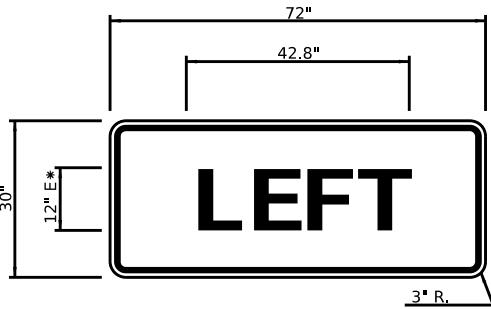
*USE 9" FOR DIGIT TO LETTER SPACING

TYPE II
(SPECIAL CASE - USE ONLY WHEN LATERAL
SPACING PROHIBITS THE USE OF TYPE I)



TYPE IV
(USE FOR UNNUMBERED EXITS ONLY)

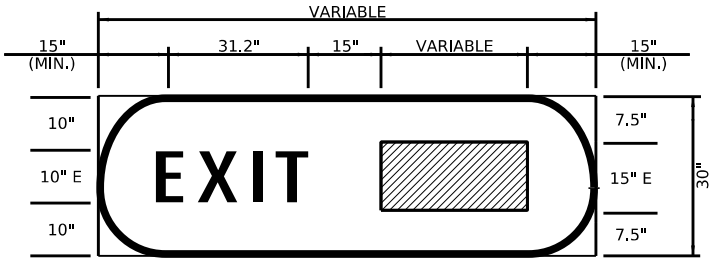
GORE SIGNS



* INCREASE SPACING BY 25%

MARGIN: 0.8"
BORDER: 1.3"

LEFT PLAQUE



EXIT PANEL

NOTES:

1. THE LEFT PLAQUE AND LEFT PANEL SHALL HAVE A YELLOW REFLECTORIZED BACKGROUND AND BLACK NONREFLECTORIZED LEGEND.
2. REFER TO TC-8700C FOR ARROW DETAILS. TYPE N ARROW SHALL BE USED ON THE GORE SIGNS, AND TYPE C ARROW SHALL BE USED ON THE EXIT ONLY AND THIS LANE PANELS.
3. LEFT PLAQUES SHALL BE USED ABOVE THE TOP LEFT EDGE OF NON-NUMBERED ADVANCE GUIDE SIGNS AND EXIT DIRECTION SIGNS. THE LEFT PANEL SHALL BE ADDED TO EXIT PANELS.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

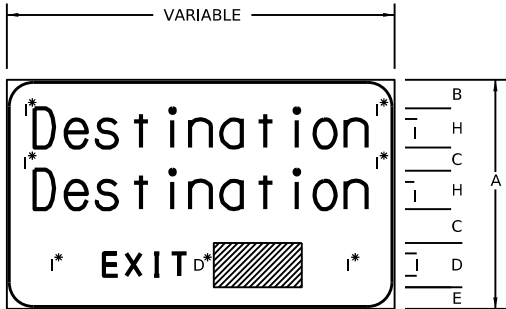
SIGN DETAILS
FREEWAY AND EXPRESSWAY
GUIDE SIGNS

GORE SIGNS & EXIT PANELS

RECOMMENDED
MANAGER, TRAFFIC ENGINEERING AND
PERMITS SECTION

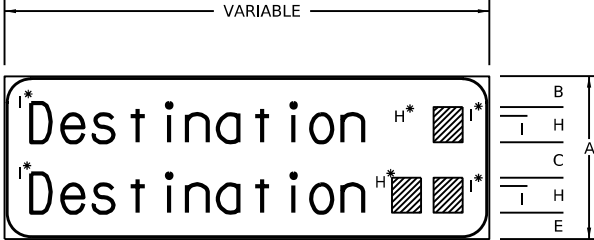
RECOMMENDED
CHIEF, HIGHWAY SAFETY AND TRAFFIC
OPERATIONS DIVISION

SHEET 8 OF 13
TC-8701D



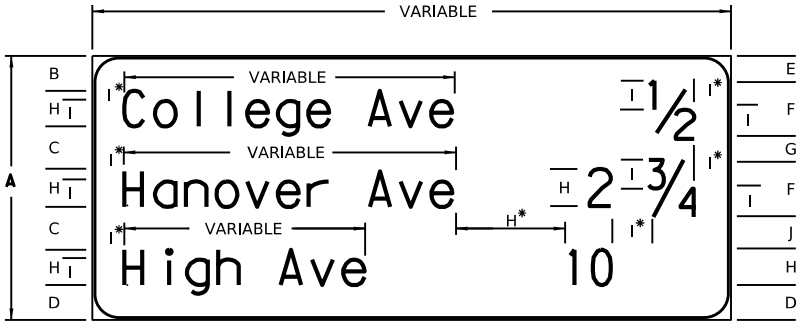
TYPE FACILITY	DESTINATION LINES	DIMENSIONS (INCHES)							
		A	B	C	D	E	H	I	
EXPRESSWAY	1	48	8.2	9	12	8.2	10.6	8	
	2	72	9.4	10	12	9.4	10.6	8	
FREEWAY	1	60	10.4	11	15	10.3	13.3	10	
	2	84	10.2	11	15	10.2	13.3	10	

SINGLE EXIT SUPPLEMENTAL GUIDE SIGN



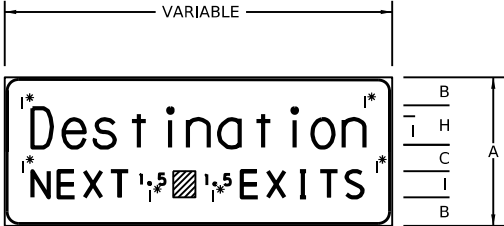
TYPE FACILITY	DESTINATION LINES	DIMENSIONS (INCHES)							
		A	B	C	E	H	I		
EXPRESSWAY	2	48	11	10	11	8	6		
	3	60	10	8	10	8	6		
FREEWAY	2	54	11	10.8	11	10.6	8		
	3	72	10.1	10	10.1	10.6	8		

POST INTERCHANGE DISTANCE SIGN



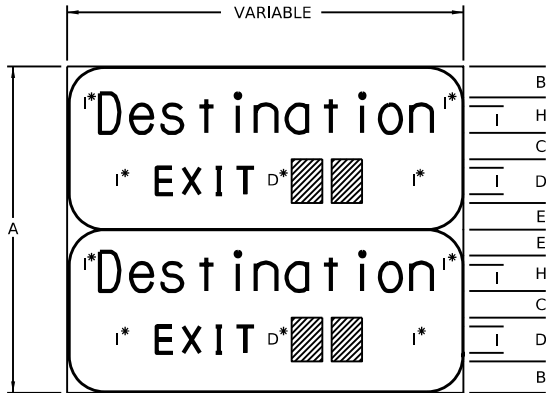
TYPE FACILITY	DESTINATION LINES	DIMENSIONS (INCHES)										
		A	B	C	D	E	F	G	H	I	J	
EXPRESSWAY	2	54	11.4	10	11.4	10.7	12		10.6	8	9.3	
	3	72	10.1	10	10.1	9.4	12	8.6	10.6	8	9.3	
FREEWAY	2	60	11.2	11	11.2	10.4	15		13.3	10	10.1	
	3	84	11	11	11.1	10.2	15	9.2	13.3	10	10.2	

INTERCHANGE SEQUENCE SIGN



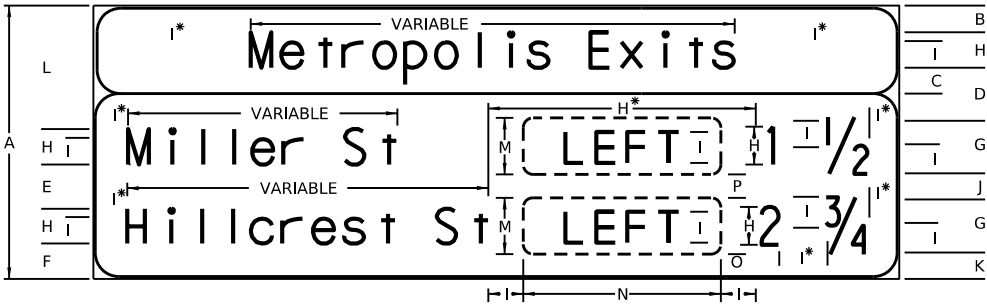
TYPE FACILITY	DIMENSIONS (INCHES)				
	A	B	C	H	I
EXPRESSWAY	48	9.8	9.8	10.6	8
FREEWAY	54	10.3	10.1	13.3	10

NEXT (NUMBER) EXITS AREA SIGN



TYPE FACILITY	DIMENSIONS (INCHES)						
	A	B	C	D	E	H	I
EXPRESSWAY	96	8.8	8	12	8.6	10.6	8
FREEWAY	120	10.9	10	15	10.8	13.3	10

DOUBLE EXIT SUPPLEMENTAL GUIDE SIGN



TYPE FACILITY	DESTINATION LINES	DIMENSIONS (INCHES)																
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
EXPRESSWAY	2	78	10.2	8.2	16	9.4	10	12	10.6	8	8	9.2	37.4	12	36	9.3	8	
	3	96	10.2	8.2	16	8.4	10	12	10.6	8	7	9.2	37.4	12	36	9.3	7	
FREEWAY	2	96	12.3	10.4	20	11.7	11.3	15	13.3	10	10	10.4	46.4	12	42	12	10.4	
	3	120	11.3	10.4	20	11.7	11.3	15	13.3	10	10	10.4	45.4	12	42	12	10.4	

COMMUNITY INTERCHANGES IDENTIFICATION SIGN

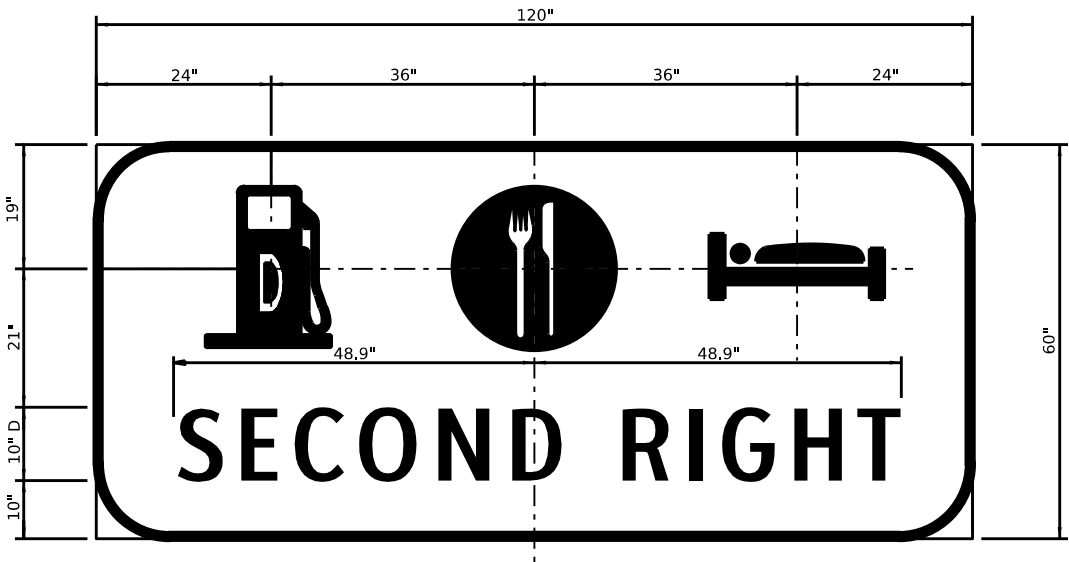
* INDICATES MINIMUM SPACING.

NOTES:

- WHERE THE EXIT DIRECTION IS TO THE LEFT, A LEFT SIGN PANEL SHALL BE DISPLAYED IN THE SAME LINE IMMEDIATELY TO THE RIGHT OF THE INTERCHANGE NAME OR ROUTE NUMBER.
- SEE TC-8700C, SHEET 1 FOR LAYOUT OF FRACTIONS.

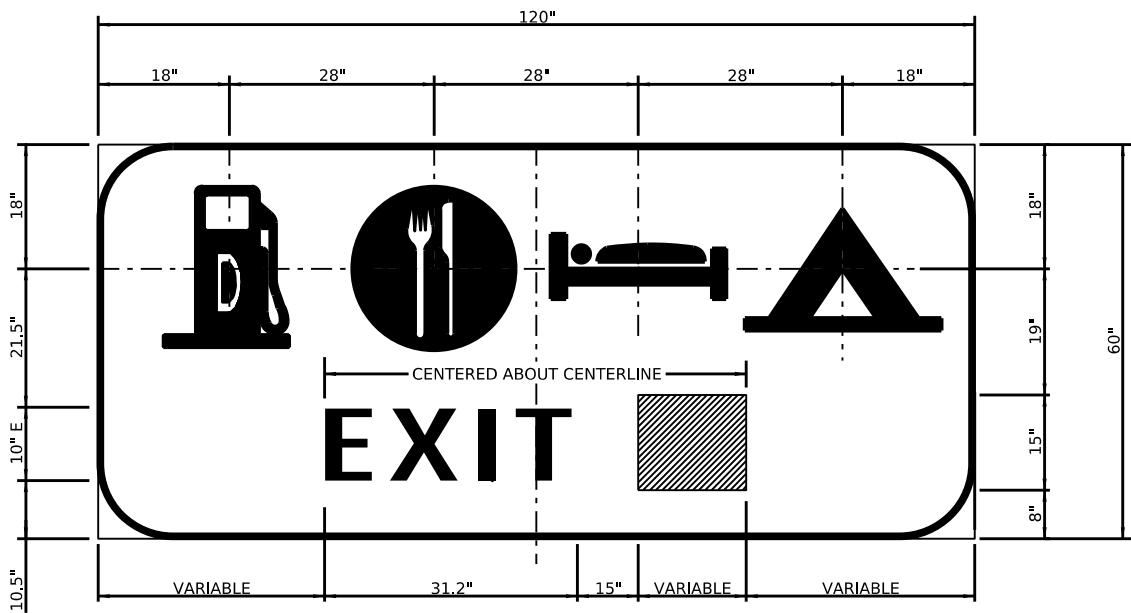
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

SIGN DETAILS - FREEWAY,
FREEWAY AND EXPRESSWAY
GUIDE SIGNS
SUPPLEMENTAL GUIDE SIGNS
& MISCELLANEOUS
INTERCHANGE SIGNS



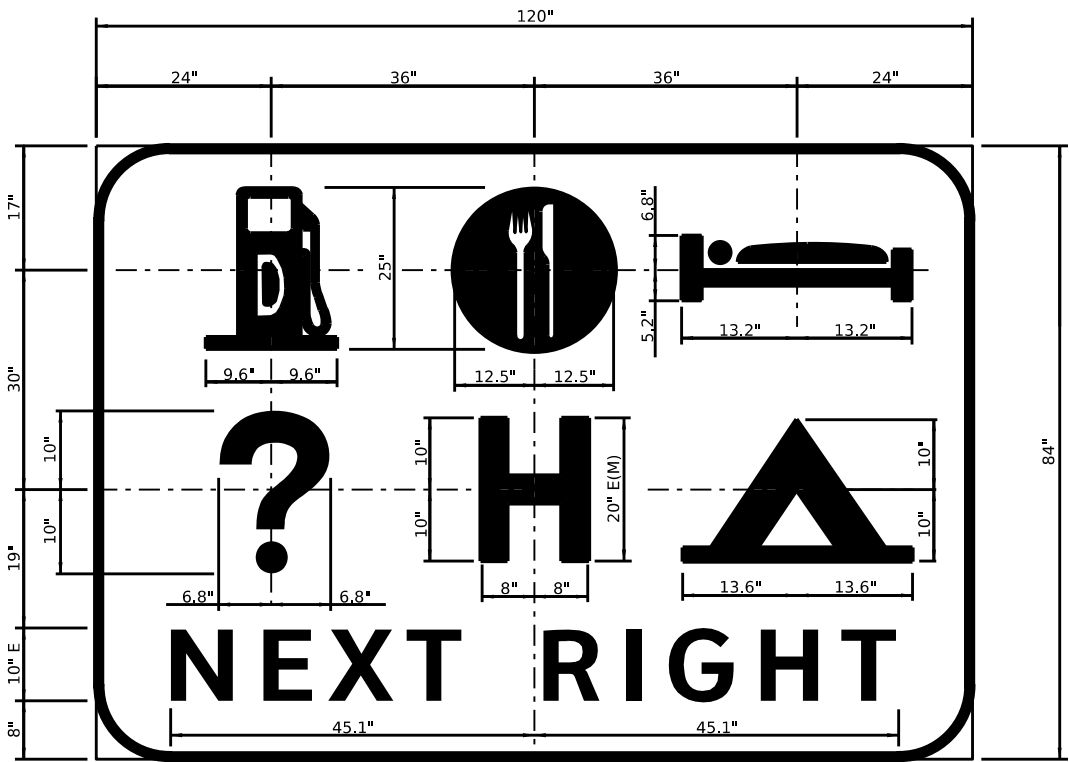
SEE 6-SERVICE SIGN FOR SERVICE SYMBOL DIMENSIONS

3-SERVICE SIGN

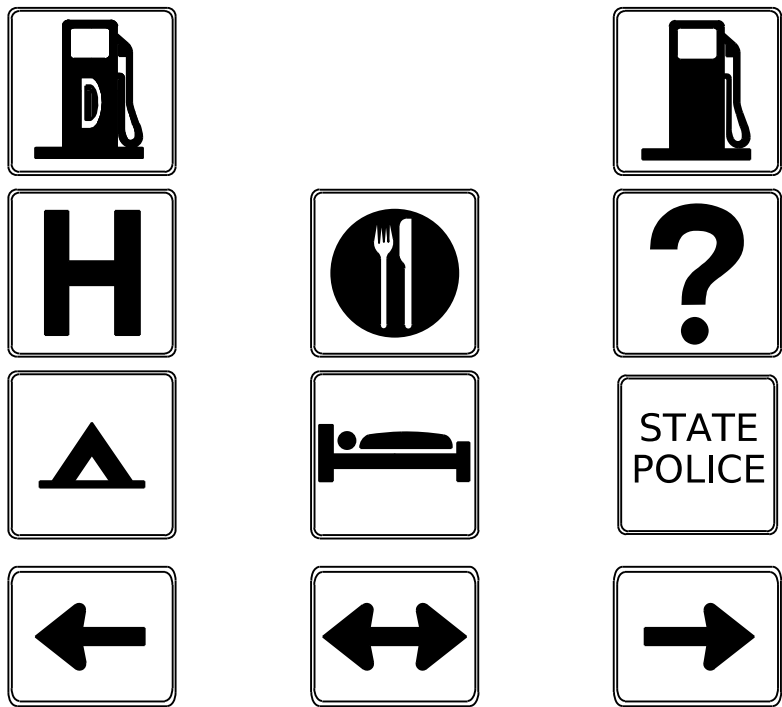


SEE 6-SERVICE SIGN FOR SERVICE SYMBOL DIMENSIONS

4-SERVICE SIGN



6-SERVICE SIGN



RAMP SIGNING

NOTES:

1. ALL SERVICE SIGNS SHALL HAVE A BLUE REFLECTORIZED BACKGROUND AND WHITE REFLECTORIZED SYMBOLS, LEGENDS, AND BORDERS. UNLESS NOTED OTHERWISE, THE TYPE OF REFLECTIVE SHEETING SHALL COMPLY WITH DEPARTMENT PUBLICATION 408.
2. ALL MAINLINE SERVICE SIGNS SHALL HAVE A 2" BORDER WITH 9" CORNER RADII.
3. THE STANDARD MAINLINE SERVICE SIGN SHALL USE A 120" x 60" PANEL AND SHALL USE THE THREE-SYMBOL LAYOUT. IF FOUR SYMBOLS ARE REQUIRED, THE SYMBOLS SHALL BE AS INDICATED. IF MORE THAN FOUR SYMBOLS ARE REQUIRED, A 120" x 84" PANEL SHALL BE USED.
4. WHEN THE EXIT IS NUMBERED, THE EXIT NUMBER SHOULD BE USED INSTEAD OF "NEXT RIGHT" OR "SECOND RIGHT".
5. FOR THE LAYOUT OF RAMP SIGNING [24" x 24"], SEE D9 SERIES IN DEPARTMENT PUBLICATION 236. USE 24" x 12" SERVICES ARROW (D9-2-2) WITH RAMP SIGNING.
6. NORMAL SEQUENCE SHOULD BE GAS (DIESEL), FOOD, LODGING, AND THEN OTHERS.
7. SEE PUBLICATION 236 FOR ADDITIONAL SERVICE SIGNS NOT SHOWN.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

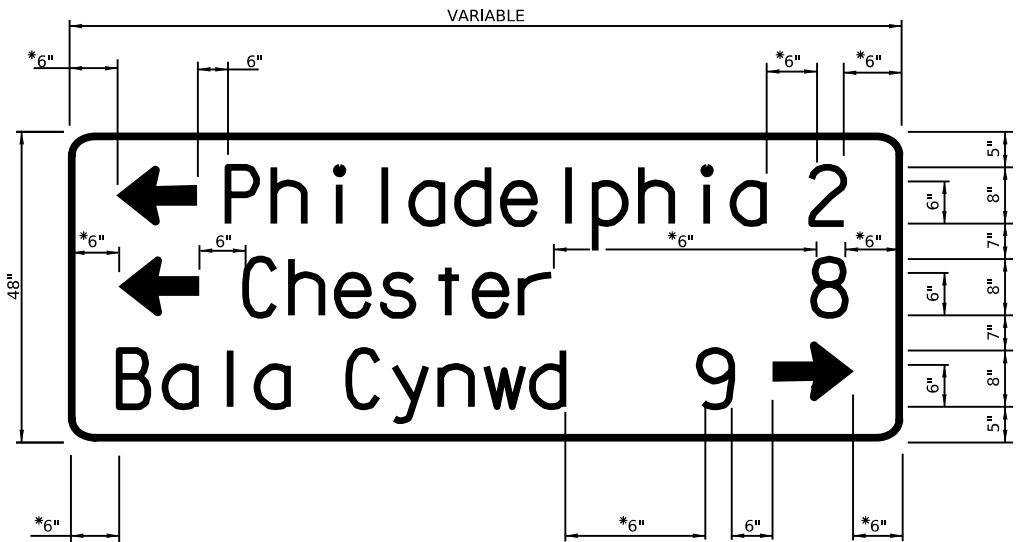
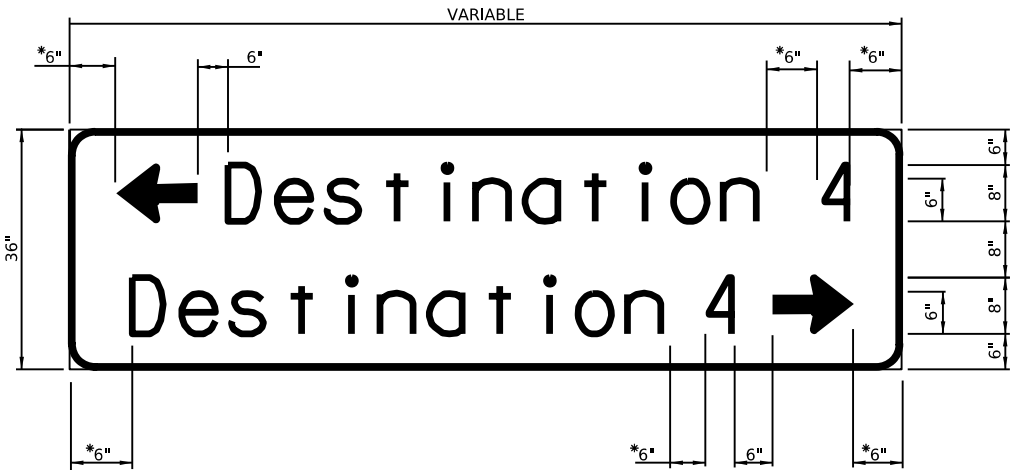
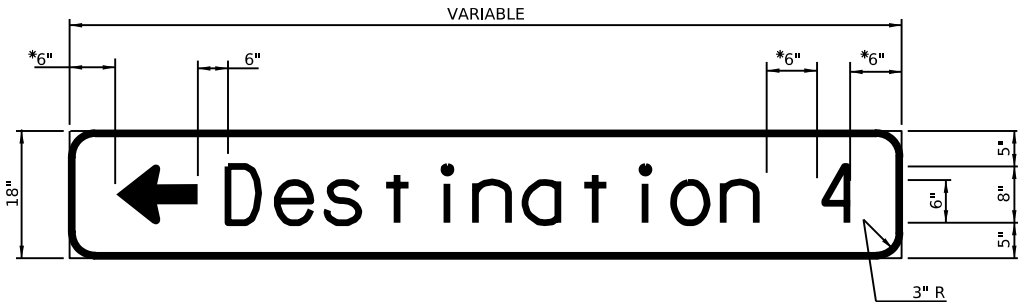
SIGN DETAILS
FREEWAY AND EXPRESSWAY
GUIDE SIGNS

GENERAL MOTORIST
SERVICE SIGNS

RECOMMENDED _____
MANAGER, TRAFFIC ENGINEERING AND
PERMITS SECTION

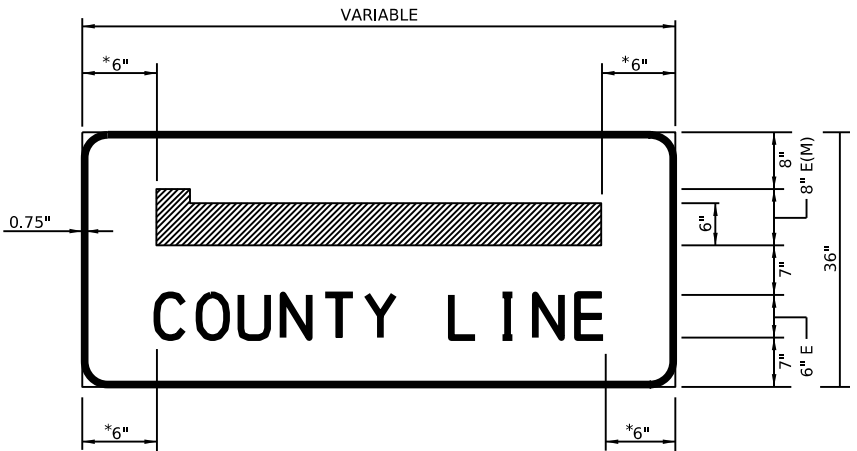
RECOMMENDED _____
CHIEF, HIGHWAY SAFETY AND TRAFFIC
OPERATIONS DIVISION

SHEET 10 OF 13
TC-8701D

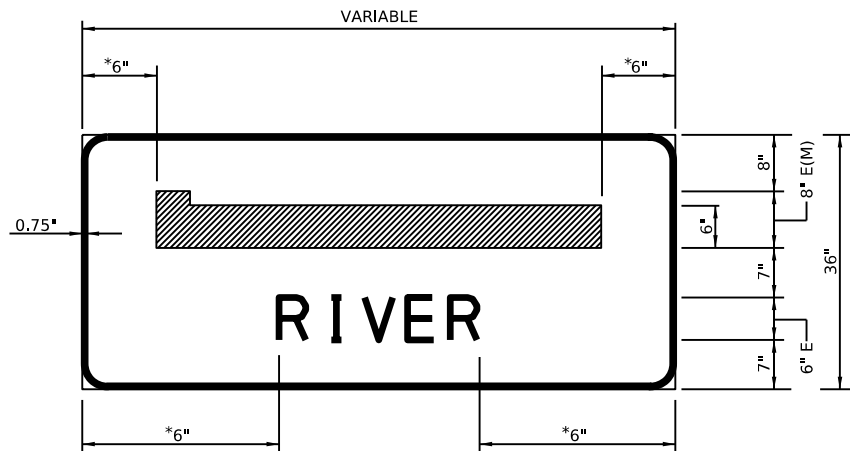


RAMP DESTINATION SIGNS

* INDICATES MINIMUM SPACING



COUNTY BOUNDARY SIGNS



WATERWAY SIGNS

- NOTES:**
1. ALL SIGNS ON THIS SHEET SHALL HAVE A 1.25" BORDER WITH 6" CORNER RADII, UNLESS OTHERWISE NOTED.
 2. REFER TO TC-8700C FOR ARROW DETAILS. TYPE K, TYPE L OR TYPE M ARROWS SHALL BE USED FOR THE RAMP DESTINATION SIGNS.
 3. BOUNDARY AND WATERWAY SIGNS SHALL HAVE WHITE REFLECTORIZED BACKGROUND AND BLUE REFLECTORIZED LEGEND AND BORDER.

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS**

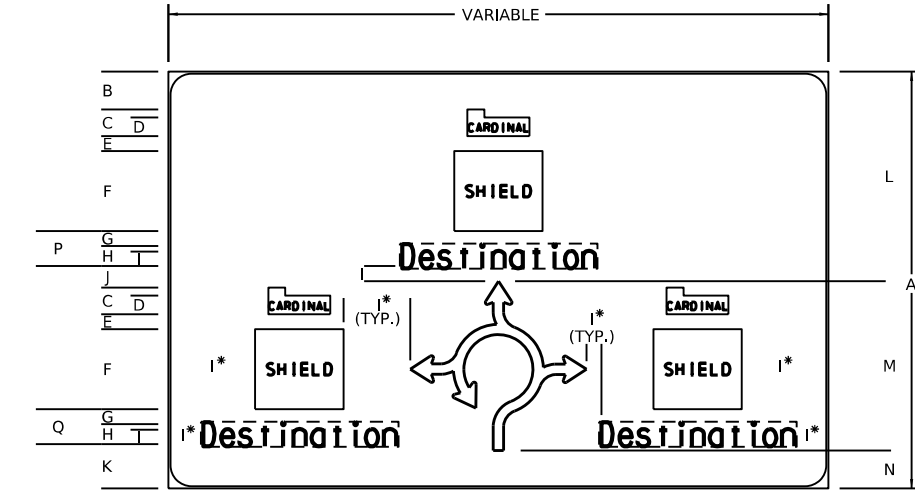
**SIGN DETAILS
FREEWAY AND EXPRESSWAY
GUIDE SIGNS**

**RAMP DESTINATION
AND BOUNDARY SIGNS**

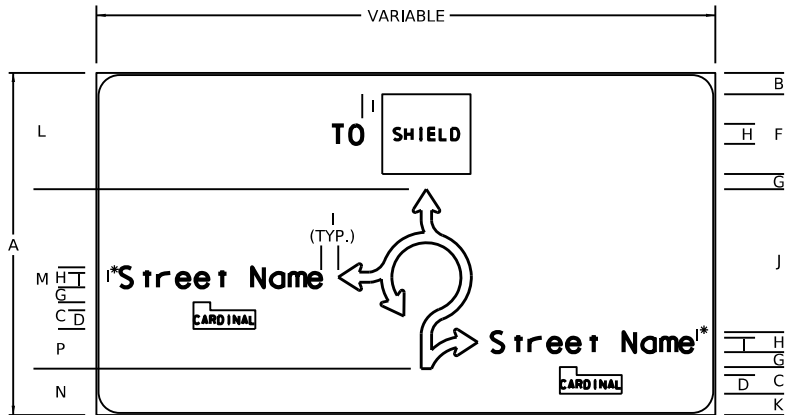
RECOMMENDED _____
MANAGER, TRAFFIC ENGINEERING AND
PERMITS SECTION

RECOMMENDED _____
CHIEF, HIGHWAY SAFETY AND TRAFFIC
OPERATIONS DIVISION

**SHEET 11 OF 13
TC-8701D**

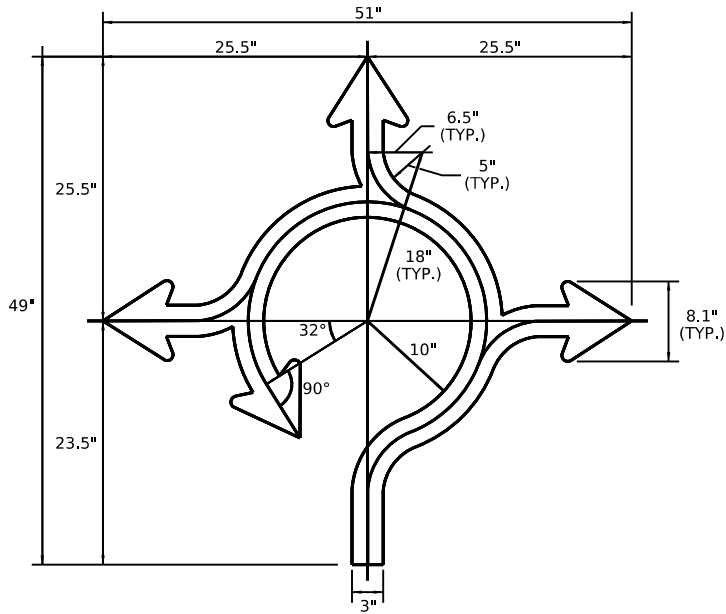


DESTINATIONS	DIMENSIONS (INCHES)																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	O	
DESTINATIONS	114	7	8	6	4	24	4.5	6	4.5	5.8	8.2	58	49	7			
NO DESTINATIONS	102	5.9	8	6	4	24			4.5		7.8	47.2	49	5.8	4.5	10.5	

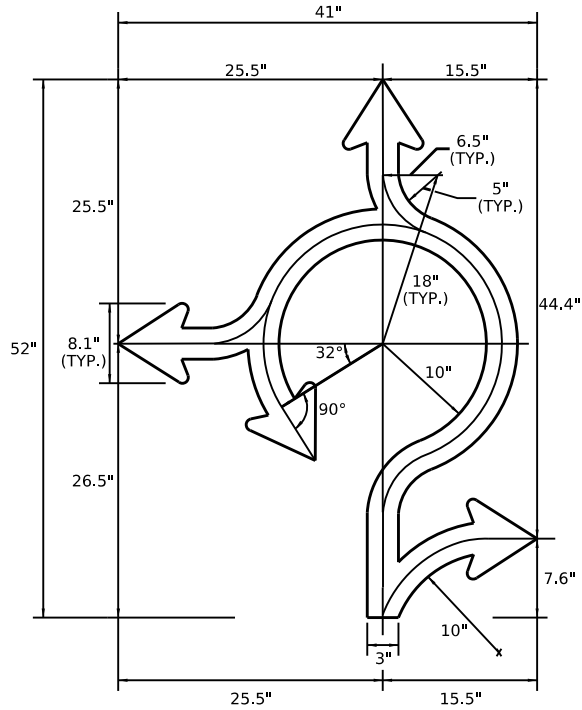


DIMENSIONS (INCHES)													
A	B	C	D	F	G	H	I	J	K	L	M	N	P
102	6.8	8	6	24	4.5	6	4.5	41.4	6.8	35.3	52	14.7	11

* INDICATES MINIMUM SPACING.



ROUNDBABOUT TYPE A

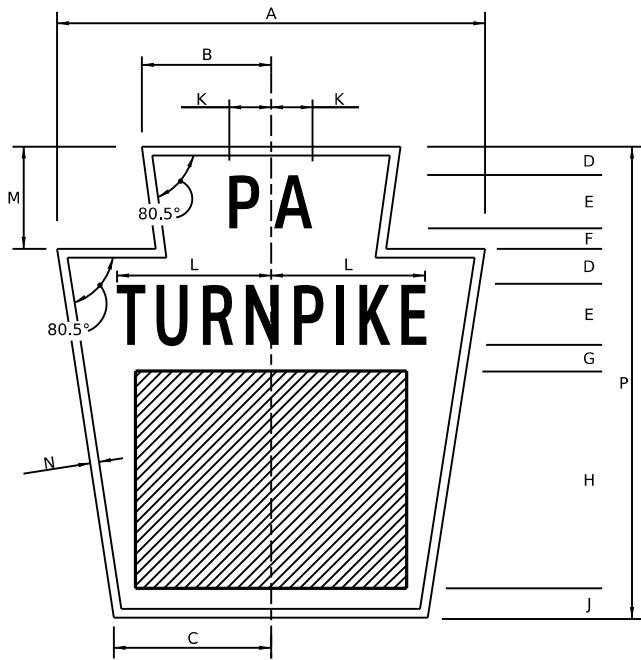


ROUNDBABOUT TYPE B

NOTES:
1. VARIATIONS OF THESE DETAILS MAY BE USED TO DEPICT ACTUAL FIELD CONDITIONS.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

SIGN DETAILS
EXIT DESTINATION
ROUNDBABOUT GUIDE SIGNS



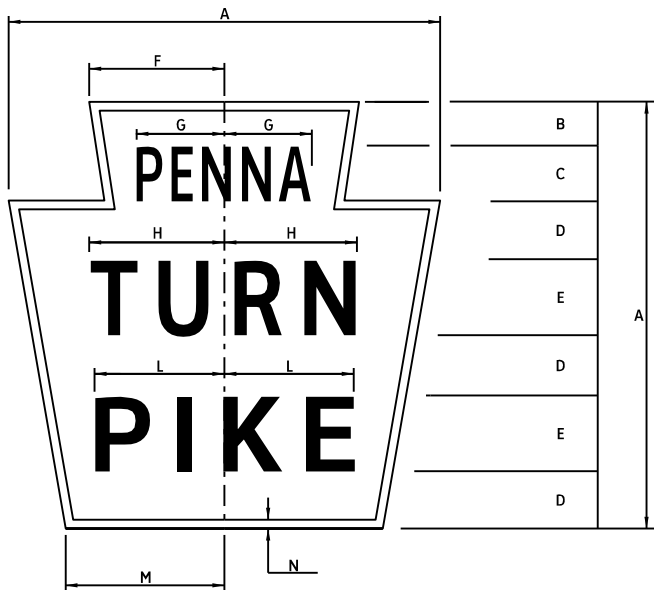
COLOR: GREEN REFLECTORIZED BACKGROUND
WHITE REFLECTORIZED LEGEND AND BORDER

NUMBER OF DIGITS	DIMENSIONS ("						
	A	B	C	D	E	F	G
1 or 2	24	7	8.9	1.5	2.7D	0.8	1.2
	36	10.5	13.3	2.4	4D	1.2	1.8
3	30	10	11.9	1.5	2.7D	0.8	1.2
	45	15	17.8	2.4	4D	1.2	1.8

NUMBER OF DIGITS	DIMENSIONS ("						
	H	J	K	L	M	N	P
1 or 2	12D	1.5	2.3	8.4	5	1	24
	18D*	2.2	3.4	12.6	7.6	1.5	36
3	12D	1.5	2.3	8.4	5	1	24
	18D*	2.2	3.4	12.6	7.6	1.5	36

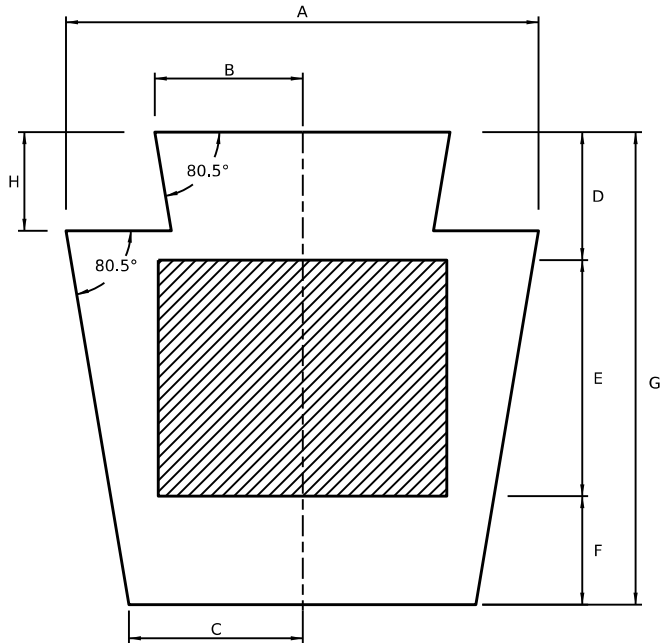
* MAY BE REDUCED TO 16D IF NEEDED TO FIT.

PA. TURNPIKE ROUTE SHIELD
(SEE NOTE 2)



COLOR: GREEN REFLECTORIZED BACKGROUND
WHITE REFLECTORIZED LEGEND AND BORDER

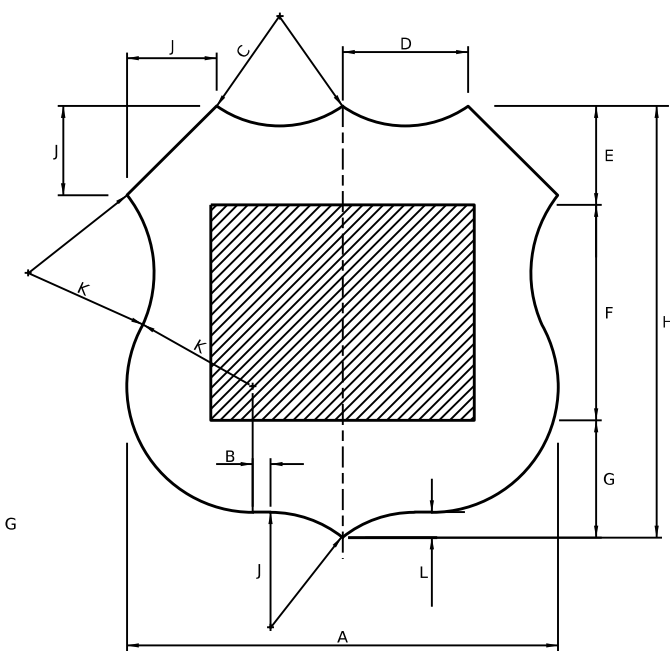
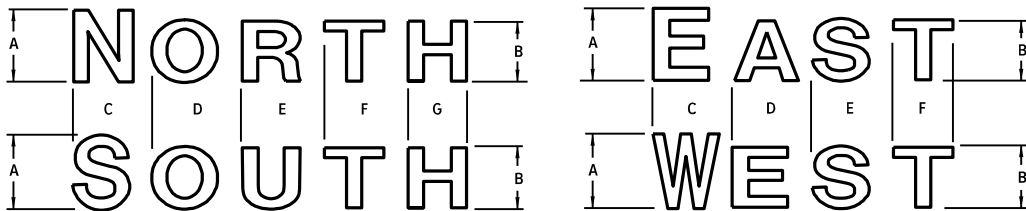
PENNA. TURNPIKE SHIELD



COLOR: WHITE REFLECTORIZED BACKGROUND
BLACK NONREFLECTORIZED LEGEND

NUMBER OF DIGITS	DIMENSIONS ("							
	A	B	C	D	E	F	G	H
1 or 2	24	7	8.9	6.5	12D	5.5	24	5.1
	36	10.5	13.3	9.8	18D	8.2	24	7.6
3	30	10	11.9	6.5	2.7D	5.5	24	5.1
	45	15	17.8	9.8	12D	8.2	24	7.6

PA. SHIELD



COLOR: WHITE REFLECTORIZED BACKGROUND
BLACK NONREFLECTORIZED LEGEND

NUMBER OF DIGITS	DIMENSIONS ("					
	A	B	C	D	E	F
1 or 2	24	1	5	7	5.5	12D
	36	1.5	7.5	10.5	8.2	18D
3	30	3.7	9	10	5.5	12D
	45	5.5	13.5	15	8.2	18D

NUMBER OF DIGITS	DIMENSIONS ("				
	G	H	J	K	L
1 or 2	6.5	24	5	7	2
	9.8	36	7.5	10.5	3
3	6.5	24	5	7	2
	9.8	36	7.5	10.5	3

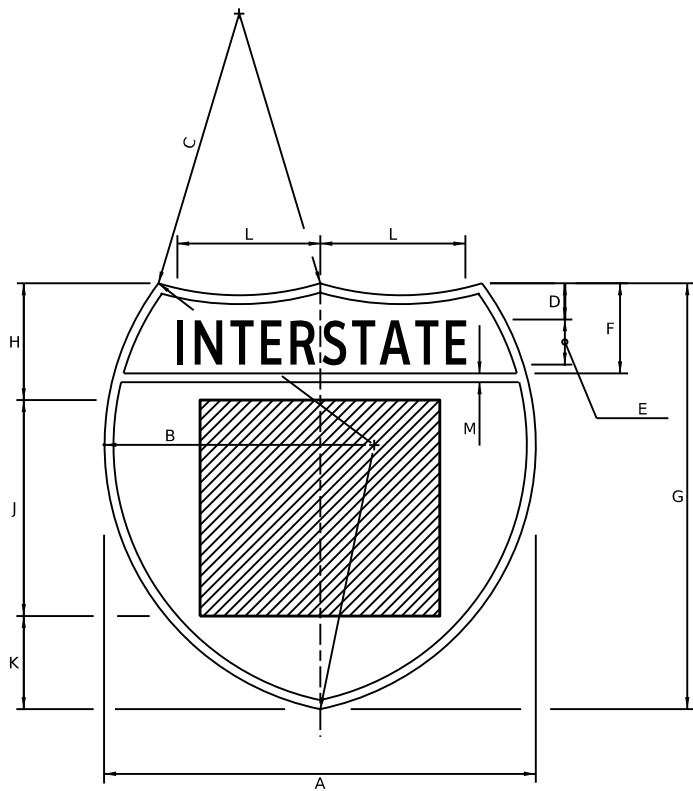
U.S. SHIELD

SERIES E CAPITAL

DIMENSIONS ("						
A	B	C	D	E	F	G
24	1.8	2.7D	2.9	5.4D	7.5	5.3
36	2.8	4D	4.4	8D	11.25	7.9

DIMENSIONS ("			
H	L	M	N
8.9	7.5	8.9	1
13.1	11.2	13.3	1.5

PENNA. TURNPIKE SHIELD



COLOR: WHITE REFLECTORIZED LEGEND AND BORDER
RED REFLECTORIZED TOP BACKGROUND
BLUE REFLECTORIZED BOTTOM BACKGROUND

NUMBER OF DIGITS	DIMENSIONS ("					
	A	B	C	D	E	F
1 or 2	24	15	15	2	2.5	4.9
	36	22.5	22.5	3	3.75	7.4
3	30	17	24	2	2.5	4.9
	45	25.5	36	3	3.75	7.4

NUMBER OF DIGITS	DIMENSIONS ("					
	G	H	J	K	L	M
1 or 2	24	6.5	12D	5.5	7.8	0.5
	36	9.8	18D	8.2	11.8	0.8
3	24	6.5	12D	5.5	7.8	0.5
	36	9.8	18D	8.2	11.8	0.8

INTERSTATE SHIELD

NOTES:

- THESE IRREGULAR-SHAPED SHIELDS SHALL BE FABRICATED FROM TYPE III OR IV REFLECTIVE SHEETING AND SHALL BE USED ON ALL GUIDE SIGNS IN LIEU OF THOSE SHIELDS DEPICTED IN PUBLICATION 236.
- THE PA TURNPIKE ROUTE SHIELD SHALL ONLY BE USED WITH PA NUMBERED TRAFFIC ROUTES, i.e., NOT WITH INTERSTATE ROUTES SUCH AS I-76, I-276, I-476, ETC.

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS**

**SIGN DETAILS
FREEWAY AND EXPRESSWAY
GUIDE SIGNS**

CARDINALS AND SHIELDS