TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING

ROADWAY CLASSI- FICATION	POSTED SPEED	SIGN SPACING	MAJOR MA APPROACH	ONSTRUCTION OR AINTENANCE H WARNING IGNS SERIES 2-1 SIGN	MINOR COI O MAJOR MA APPROACH SIG	OTHER WARNING SIGNS	
			STANDARD	MINIMUM ⁴	STANDARD	MINIMUM ⁴	STANDARD
	MPH	FT.(APPRX.)	INCHES	INCHES	INCHES ⁷	INCHES 7	INCHES ⁷
CONVEN.	30	80	48 X 48	36 X 36	30 X 30	24 X 24	30 X 30 OR
	35	120			OR 36 X 36	OR 36 X 36	36 X 36
	40	160				 	
	45	240					
	50	320		USE		USE STANDARD	
↓ .	55	500 ²]	STANDARD SIZE	\	SIZE	+
EXP OR FWY	55	500 ³			48 X 48*	48 X 48*	48 X 48*

*SMALLER SIGN SIZES MAY BE USED WHERE SIGN DESIGNS HAVE NOT BE INCLUDED IN THE STANDARD TRAFFIC SIGNS DESIGN BOOKLET.

GENERAL NOTES:

- 1. SPECIAL OR LARGER SIZE SIGNS MAY BE USED AS MAY BE NECESSARY.
- 2. DISTANCE BETWEEN SIGNS SHOULD BE INCREASED AS REQUIRED TO HAVE 1500' ADVANCED WARNING.
- 3. DISTANCE BETWEEN SIGNS SHOULD BE INCREASED AS REQUIRED TO HAVE 1/2 MILE OR MORE ADVANCE WARNING.
- 4. FOR USE ON SECONDARY ROADS OR CITY STREETS WHERE SPEEDS ARE LOW.
- 5. ONLY DIAMOND SHAPED WARNING SIGN SIZES ARE INDICATED.
- 6. SEE SIGN SIZE LISTING IN APPENDIX A FOR COMPLETE LIST OF ALL AVAILABLE SIGN DESIGN SIZES.
- 7. WHERE TWO SIZES ARE LISTED. SEE SIGN SIZE LIST IN APPENDIX A FOR PROPER SIZE.

TYPICAL TRANSITION LENGTHS AND SUGGESTED MAXIMUM SPACING OF DEVICES

		M T	INIMUM DESII APER LENGTI	RABLE IS **	SUGGESTED MAXIMUM SPACING OF DEVICE		
POSTED SPEED*	FORMULA	10' OFFSET	11' OFFSET	12' OFFSET	ON A TAPER	ON A TANGENT	
30	Address of the Control of the Contro	150'	165'	180'	30'	60'-75'	
35	$L = \frac{WS^2}{60}$	205'	225'	245'	35'	70'-90'	
40		265'	295'	320'	40'	80'-100'	
45	L= WS	450'	495'	540'	45'	90'-110	
50		500'	550'	600'	50'	100'-125'	
55		550'	605'	660'	55'	110'-140'	
60		600'	660'	720'	60'	120'-150'	

- * 85TH PERCENTILE SPEED MAY BE USED ON ROADS WHERE TRAFFIC SPEEDS NORMALLY EXCEED THE
- POSTED SPEED LIMIT.

 ** TAPER LENGTHS HAVE BEEN ROUNDED OFF.

1. TAPER FORMULA END ROAD WORK L = S X W FOR SPEED OF 45 MPH OR MORE. $L = \frac{WS^2}{60}$ FOR SPEEDS OF 40 MPH OR LESS. L = MINIMUM LENGTH OF TAPERS = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85 PERCENTILE SPEED W = WIDTH OF OFFSETBARRICADE OR TRUCK 2. THE MAXIMUM SPACING BETWEEN CHANNELIZING WITH ARANGE FLAGS DEVICES IN A TAPER SHOULD BE APPROXIMATELY OR WARNING LIGHTS EQUAL IN FEET TO THE SPEED LIMIT. 3. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE ADVANCE WARNING SIGNS AND/OR EQUIMPMENT. 4. ALL DISTANCES AND SPACINGS SHOWN ARE APPROXIMATE. 5. THE WORD UTILITY MAY BE SUBSTITUTED FOR ROAD IN ALL SIGNS WHERE APPLICABLE. 6. ONE OR MORE FLAGGER TO BE USED WHERE TRAFFIC, ROAD CONDITIONS, OR TERRAIN FORM ONE LINE LEFT WARRENT THEIR USE. POSTED SPEED OR MIN. DISTANCE 85% SPEED (FEET) (MPH) MERGE 30 OR LESS 120 35 160 240 320 500 CLOSED ---CHANNELIZING DEVICES ∞ARROW PANNEL (OPTIONAL) **∆**OPTIONAL WORK

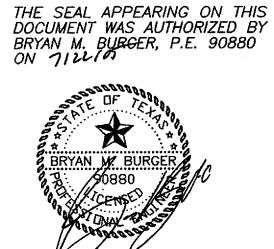
MINOR OPERATION ON 4-LANE DIVIDED ROADWAY WHERE ONE LANE IS CLOSED

◆ DIRECTION OF TRAFFIC

GENRAL NOTES FOR TRAFFIC CONTROL

- 1. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE EARLY WARNING SIGNS.
- 2. DEVICES USED IN A SERIES FOR CHANNELIZATION PURPOSE AT NIGHT SHOULD BE SUPPLEMENTED WITH STEADY BURN LIGHTS OR DELINEATORS AS NEEDED.
- 3. ALL DISTANCES AND SPACINGS SHOWN ARE APPROXIMATE.
- 4. ALL TRAFFIC CONTROL DEVICES USED AT NIGHT SHALL BE REFLECTORIZED OR ILL-UMINATED.
- 5. THE WORD "AHEAD" MAY BE SUBSTITUTED FOR THE ACTUAL DISTANCES ON THE AD-ADVANCE WARNING SIGNS WHERE APPLICABLE.
- 6. THE WORD UTILITY MAY BE SUBSTITUTED FOR ROAD IN ALL SIGNS WHERE AP-PLICABLE.
- 7. WHERE A TAPER IS USED THE TAPER FORMULA IS:
- L= S X W FOR SPEEDS OF 45 MPH OR MORE. L= $\frac{WS^2}{S}$ FOR SPEEDS OF 40 MPH OR LESS.
- WHERE : L = MINIMUM LENGTH OF TAPER
 - S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85
 PERCENTILE SPEED
 - W = WIDTH OF OFFSET
- 8. WHERE CHANNELIZING DEVICES ARE USED THE MAXIMUM SPACING BETWEEN
 CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO
 THE SPEED LIMIT.
- 9. ONE OR MORE FLAGGERS TO BE USED WHERE TRAFFIC, ROAD CONDITIONS, OR TERRAIN WARRANT THEIR USE. IF FLAGGER IS USED TAPER MAY BE REDUCED TO 50'
- 10. APPROPRIATE ADVISORY SPEED PLATES MAY BE USED IN CONJUNCTION WITH WARNING SIGNS WHEN NEEDED.

AS BUILT DATE 3.17.06



RFV	DATE	REMAR	KS								
		T	RA	F	FIC	CO)N	TRO	DL		
	STAF	RBUC	CKS		ADD	ISON	Pl	AZA	ADI	OITIC	N
	S.V	N.C.	BEL	T	LINE	RD.	86	MIDV	VAY	RD.	

CITY OF ADDISON, TEXAS									
LAWRENCE A. CATES & ASSOC., LLP CONSULTING ENGINEERS 14800 QUORUM DRIVE, SUITE 200 (972) 385-2272 DALLAS, TEXAS									
DESIGN	DRAWN DATE		SCALE	NOTES	FILE	NO.			
вмв	CAC	6/04	n/s	D.P.	23113 TAFFCTRL	SD-2			