



1. WIDTH OF DIAGONALS ARE AS FOLLOWS: 245 MPH - 12" WIDE <45 MPH - 8" WIDE

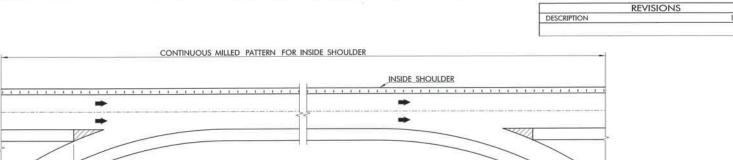
				BAS
000000000000000000000000000000000000000	SHOULDER 4" DOUBLE YELLOW BARRIER LINE	-4" WHITE EDGE LINE	ITEM NO.	
			854(A)	TRAFFIC STRIPE (P.
			854(B)	TRAFFIC STRIPE (P.
			855(A)	TRAFFIC STRIPE (P
******			855(A)	TRAFFIC STRIPE (PI
	<u>''</u>		855(A)	TRAFFIC STRIPE (P
4" DASHED YELLOW LANE LINE		4" SOLID YELLOW BARRIER LINE	855(A)	TRAFFIC STRIPE (P
C4 DASHED TELLOW LANE LINE			855(B)	TRAFFIC STRIPE (P
			856(A)	TRAFFIC STRIPE (M
			856(A)	TRAFFIC STRIPE (M
			856(A)	TRAFFIC STRIPE (M
TW	O LANE RURAL ROADWAY PAVEMENT MARKINGS	S	856(A)	TRAFFIC STRIPE (M
111	S BUILDING TOTAL TOTAL TOTAL	=	050/01	TOVERTO CEDIDE AN

	BASIS OF PAYMENT						
ITEM NO.	ITEM	UNIT					
854(A)	TRAFFIC STRIPE (PAINT) (4" WIDE)	LF					
854(B)	TRAFFIC STRIPE (PAINT) (ARROW, WORDS, OR SYMBOLS)	EA					
855(A)	TRAFFIC STRIPE (PLASTIC) (4" WIDE)	LF					
855(A)	TRAFFIC STRIPE (PLASTIC) (6" WIDE)	LF					
855(A)	TRAFFIC STRIPE (PLASTIC) (8" WIDE)	LF					
855(A)	TRAFFIC STRIPE (PLASTIC) (24" WIDE)	LF					
855(B)	TRAFFIC STRIPE (PLASTIC) (ARROW)	EA					
856(A)	TRAFFIC STRIPE (MULTI-POLYMER) (4" WIDE)	LF					
856(A)	TRAFFIC STRIPE (MULTI-POLYMER) (6" WIDE)	LF					
856(A)	TRAFFIC STRIPE (MULTI-POLYMER) (8" WIDE)	LF					
856(A)	TRAFFIC STRIPE (MULTI-POLYMER) (24" WIDE)	LF					
856(B)	TRAFFIC STRIPE (MULTI-POLYMER) (SYMBOLS, WORDS, ETC)	EA					

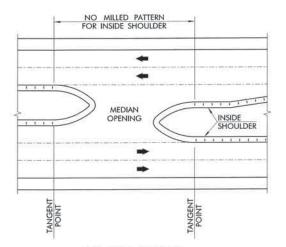
DATE:4/9/12_ TRAFFIC STANDARD

PAVEMENT MARKING (FIFTH LANE AND TWO LANE RURAL)

2009 SPECIFICATIONS

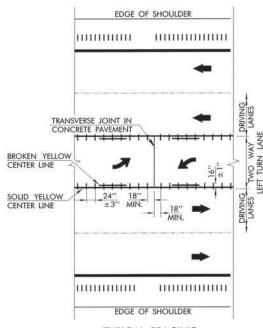


GENERAL LAYOUT AT ENTRANCE RAMP



GENERAL LAYOUT
INSIDE SHOULDERS AND MEDIAN OPENING

GENERAL LAYOUT AT EXIT RAMP



TYPICAL SPACING
TWO WAY LEFT TURN LANES
(TWLTL)

GENERAL NOTES

NO MILLED PATTERN

4" DOUBLE YELLOW SOLID LINE (NOTE 3)

1/2" MIN. 5/8" MAX. NO MILLED PATTERN

END OF BRIDGE OR APPROACH SLAB

-

DIRECTION OF TRAFFIC

CENTERLINE RUMBLE STRIP

24"±3"

DIRECTION OF TRAFFIC

TYPICAL SECTION THROUGH CONTINUOUS MILLED PATTERN CENTERLINE RUMBLE STRIP

(SEE NOTE 4 FOR ADDITIONAL APPLICATIONS)

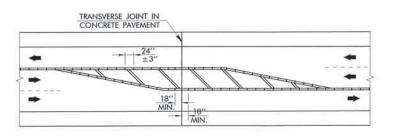
7"±1"

NO MILLED PATTERN

GENERAL LAYOUT FOR CENTERLINE RUMBLE STRIP AT INTERSECTIONS AND BRIDGES

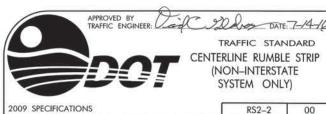
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 ODOT STANDARD SPECIFICATIONS.
- 2. WHERE A DRIVEWAY INTERSECTS THE HIGHWAY, THE CENTERLINE RUMBLE STRIP SHALL NOT BE BROKEN. THERE COULD BE EXCEPTIONS TO THIS POLICY IF THE FIELD DIVISION ENGINEER, OR HIS/HER REPRESENTATIVE, DETERMINES THE DRIVEWAY TO BE A HEAVILY USED COMMERCIAL, INDUSTRIAL OR SUBDIVISION DRIVEWAY, IF AN EXCEPTION IS MADE, THE LOCATION AND EXTENT OF THE BREAK IS TO BE DETERMINED BY THE FIELD DIVISION ENGINEER OR HIS/HER REPRESENTATIVE.
- 3. APPLY PAVEMENT MARKINGS OVER THE CENTER LINE AND TWO WAY LEFT TURN LANE RUMBLE STRIP FOR NORMAL PAVEMENT MARKING SPACING.
- 4. PAYMENT FOR THIS PAY ITEM SHALL BE BASED ON THE TOTAL LINEAR FEET.

 GAPS, FOR EXAMPLE, ACROSS STREETS, OTHER HIGHWAYS, MEDIAN OPENINGS,
 RAMPS, AND TRANSVERSE JOINTS, SHALL BE EXCLUDED. THIS PAY ITEM IS
 TO BE USED FOR CENTERLINE, TWO WAY LEFT TURN LANES, AND INSIDE
 SHOULDED APPLICATIONS



GENERAL LAYOUT FOR CENTERLINE RUMBLE STRIP AT SUPER TWO TRANISTION (TWO–WAY THREE LANE HIGHWAY)

BASIS OF PAYMENT						
ITEM NO.	ITEM	UNIT				
413 (A)	RUMBLE STRIP – CENTERLINE HMA-CON (4)	L.F.				
413 (C)	RUMBLE STRIP - CENTERLINE PCC-CON (4)	L.F.				



ON CONSTRUCTION PROJECTS IT WILL BE THE CONTRACTORS RESPONSIBILITY TO INSTALL THE NECESSARY TRAFFIC CONTROL BEFORE CONSTRUCTION BEGINS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL DEVICES TO ASSURE A HIGH DEGREE OF BOTH DAY AND NIGHT VISIBILITY, WHICH WILL INCLUDE ANY WASHING, REPLACEMENT ANDOR REPOSITIONING WHERE DEEMED NECESSARY BY THE ENGINEER,

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY NEW OR EXISTING PERMANENT STATE OWNED SIGNS WHICH ARE DAMAGED DUE TO HIS NEGLIGENCE OR CARELESS HANDLING DURING THE CONSTRUCTION OF THIS PROJECT. THIS SHALL BE DONE AT THE CONTRACTORS EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY TRAFFIC CONTROL WORK ZONE AND EXISTING PAVEMENT MARKINGS ON ALL ROADWAYS OPEN TO TRAFFIC WITHIN THE PROJECT. SUFFICIENT QUANTITIES HAVE BEEN PROVIDED FOR MAINTAINING PAVEMENT MARKINGS FOR PRESCRIBED DETOUR ROUTES WHEN DEEMED NECESSARY BY THE ENGINEER.

ALL SIGN BLANK MATERIALS SHALL BE THE OPTION OF THE CONTRACTOR BUT SHALL BE OF SUCH MATERIAL THAT WILL RETAIN A SATISFACTORY APPEARANCE THROUGHOUT THE LIFE OF THE PROJECT.

ALL SIGNS, LIGHTS, FLAGS, ETC. SHALL CONFORM IN SIZE, SHAPE, COLOR, LEGENDS AND APPLICATIONS TO THE STANDARDS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ANDOR OKLAHOMA STATE STANDARD DRAWINGS FOR SIGNS. STANDARD DRAWINGS ARE AVAILABLE FROM THE DEPARTMENT OF TRANSPORTATION. INTERPRETATIONS THAT MAY BE NECESSARY SHALL BE REFERRED TO THE ENGINEER.

REFLECTORIZATION OF TRAFFIC CONTROL DEVICES SHALL BE BY MEANS OF WIDE ANGLE, FLAT TOP REFLECTIVE SHEETING MEETING THE REQUIREMENTS OF 2009, OKLAHOMA STANDARD SPECIFICATIONS

SIGN INSTALLATION

ALL SIGNS SHALL BE SECURELY PLACED OR WEIGHTED TO PREVENT BLOWING OVER, ROCKS, BROKEN CONCRETE OR OTHER SUCH OBJECTS SHALL NOT BE CONSIDERED AN ACCEPTABLE SUBSTITUTE FOR SAND BARS WHEN USED TO OBTAIN ADDED STABILITY FOR MOVABLE SIGNS AND BARRICADES.

SPACING OF SIGNING, ON THE PLANS OR TCS STANDARDS, SHOULD BE NO LESS THAN THE DISTANCES SHOWN. THE DISTANCE BETWEEN SIGNS SHOULD BE INCREASED ON HIGH SPEED OR MORE HEAVILY TRAVELED HIGHWAYS, OR WHERE SIGHT DISTANCE IS RESTRICTED.

IN ALL CONSTRUCTION ZONES, THE 48 INCH X 48 INCH WARNING SIGNS SHALL HAVE ATTACHED THERETO FLORESCENT FLAGS AND TYPE "A" WARNING LIGHTS. THIS SHALL ALGO APPLY WHEN SIGNS ARE USED ON BOTH SIDES OF THE ROADWAY. ADDITIONAL FLASHING LIGHTS MAY BE REQUIRED WHEN SO DESIRED BY THE ENGINEER.

ALL DIAMOND SHAPED CONSTRUCTION WARNING SIGNS ON EXPRESSWAYS OR FREEWAYS SHALL BE 48 INCH X 48 INCH, WITH THE APPROPRIATE ADVISORY SIGN WHERE REQUIRED UNLESS OTHERWISE NOTED IN THE PLANS.

DUE TO THE TEMPORARY NATURE OF CONSTRUCTION, SIGNS WHICH ARE 33 S.F. AND OVER WILL HAVE NO REINFORCING STEEL IN THEIR FOOTINGS.

ALL SIGNS AND SIGN ASSEMBLIES WITH A TOTAL SURFACE AREA OF 10 S.F. OR MORE SHALL BE INSTALLED ON TWO (2) POSTS. THE EXCEPTION BEING SINGLE ROUTE MARKER ASSEMBLIES.

SIGNS MOUNTED ON BARRICADES SHALL BE MOUNTED AS HIGH AS NECESSARY

BARRICADES

ONE (1) WING BARRICADE SHALL BE SET ON EACH SIDE OF THE ROADWAY IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN. THE EXCEPTIONS ARE MINOR CROSS STREETS AND SECTION LINE ROADS WHICH INTERSECT THE WORK AREA.

WING BARRICADES SHALL BE INSTALLED ON TWO (2) BREAKAWAY POSTS.

THE FIVE CATEGORIES OF WORK DURATION AND THIER TIME AT A LOCATION SHALL BE:
A) LONG-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN 3 DAYS.
B) INTERMEDIATE—TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE
THAN 0 NOE DAYLIGHT PERIOD UP TO 3 DAYS, OR NIGHTHIME WORKLASTING MORE
THAN 1 HOUR.
C) SHORT—TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE
THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
D) SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
E) MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

ALL GENERAL NOTES SHOWN BELOW SHALL APPLY TO ALL OF THE STANDARD DRAWINGS IN TCS SERIES

TYPE "A" WARNING LIGHTS SHALL BE USED ON BARRICADES (AS REQUIRED) AND

TYPE "C" WARNING LIGHTS MAY BE USED ON VERTICAL PANELS (OPTIONAL).

CONSTRUCTION NOTES

SHOULD THE REQUIRED WORK ON ANY PROJECT, INCLUDING ANY TRAFFIC CONTROL, OVERLAP OR OTHERWISE INTERFERE WITH THE ON-GOING WORK OR TRAFFIC CONTROL OF ANOTHER PROJECT, IT SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTORS TO COORDINATE THEIR WORK ACTIVITIES TO FACILITATE THE SAFE MOVEMENT OF TRAFFIC THROUGHOUT OR AROUND THEIR COLLECTIVE WORK AREAS, ANY SUCH RECOMMENDED CHANGES SHALL BE SUBMITTED IN WRITING TO EACH PROJECT RESIDENT ENGINEER FOR REVIEW AND APPROVAL

ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR THE SAFE CONDUCT OF TRAFFIC THROUGH THE TEMPORARY TRAFFIC CONTROL ZONE SHALL BE PROMPTLY REMOVED, COMPLETELY COVERED, TURNED AWAY FROM TRAFFIC OR OTHERWISE TAKEN OUT OF SERVICE. DEVICES SHALL NOT BE STORED ALONG THE ROADWAY, WITHIN 15 FEET (15') OF AN OPEN DRIVING LANE, EITHER BEFORE OR AFTER THEY ARE TO BE USED UNILESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, ANDOR BARRIERS INSTALLED FOR OTHER PUPPOSES. THESE DEVICES SHALL BE REMOVED FROM THE TEMPORARY TRAFFIC CONTROL ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS 15 FEET (15') SETBACK, THE CONTRACTOR SHALL DETERMINE ALTERNATE LOCATIONS AND REQUEST THE ENGINEERS APPROVAL TO USE THEM.

TRAFFIC CONTROL DEVICES, WARNING DEVICES, AND BARRIERS SHALL BE KEPT IN CORRECT POSITION, PROPERLY DIRECTED, CLEARLY VISIBLE AND CLEAN AT ALL TIMES. DAMAGED, DEFACED OR DIRTY DEVICES OR BARRICADES SHALL IMMEDIATELY BE REPAIRED, REPLACED OR CLEANED BY THE CONTRACTOR AND APPROVED FOR USE BY THE ENGINEER.

NO EQUIPMENT OR VEHICLES BELONGING TO THE CONTRACTOR, HIS SUB-CONTRACTORS OR EMPLOYEES SHALL BE PARKED OR STOPPED WITHIN 30 FEET (30') OF A LANE CARRYING TRAFFIC, AT ANY TIME, UNLESS REQUIRED BY ONGOING WORK OPERATIONS.

ALL DETOURS AND DIVERSIONS SHOULD BE IN PLACE, WITH SIGNING, STRIPING AND CHANNELIZING DEVICES, AS SHOWN IN THE PLANS OR STANDARD DRAWINGS. BEFORE THEY ARE OPENED TO TRAFFIC.

WHEN IT BECOMES NECESSARY TO CLOSE THE ROAD TO THROUGH TRAFFIC, NO LESS THAN SEVEN DAYS PRIOR TO THE CLOSURE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING INDIVIDUALS OR AGENCIES DESCRIBING THE AFFECTED ROAD AND THE APPROXIMATE DURANTON OF THE CLOSURE. THOSE TO BE NOTIFIED INCLUDE BUT ARE NOT LIMITED TO 1) LOCAL LAW ENFORCEMENT OFFICIALS, 2) LOCAL FIRE OFFICIALS, 3) AMBULANCE SERVICES, 4) LOCAL SCHOOL SUPERINTENDENT, 5) UNITED STATES POSTAL SERVICE, AND 6) CITY OR COUNTY ROAD SUPERINTENDENT.

ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND THIER CONDITIONS THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT, SHALL MEET O.D.O.T'S LATEST "QUALITY STANDARDS FOR TEMPORARY TRAFFIC CONTROL DEVICES". THE O.D.O.T. RESIDENT ENGINEER WILL MAKE FINAL DECISION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES BASED ON THE O.D.O.T. GUIDELINES.

NO GENDER BIAS SIGNS ARE ALLOWED.

ARROW DISPLAY

USE OF AN ARROW DISPLAY, IN THE ARROW OR CHEVRON MODE, SHALL BE LIMITED TO STATIONARY OR MOVING LANE CLOSURES.

AN ARROW DISPLAY, IN THE CAUTION MODE, SHALL BE USED ONLY FOR SHOULDER WORK, BLOCKING THE SHOULDER, ROADSIDE WORK NEAR THE SHOULDER, OR FOR MOBILE OPERATIONS (I.E. STRIPING).

AN ARROW DISPLAY IN THE ARROW OR CHEVRON MODE, SHALL NOT BE USED ON A TWO-LANE, TWO-WAY ROADWAY FOR TEMPORARY ONE-LANE OPERATION.

AN ARROW DISPLAY SHALL NOT BE USED ON A MULTI-LANE ROADWAY TO LATERALLY SHIFT TRAFFIC.

CHANNELIZING DEVICES

IN THOSE AREAS WHERE DRIVERS ARE ASKED TO MAKE A DECISION OR MUST BE GUIDED THROUGH A PRECISE MOVEMENT, BY USE OF CHANNELIZING DEVICES, IT IS ESPECIALLY MIPOPRTANT TO PROVIDE A CLEARLY DEFINED PATH. EXAMPLES OF THIS COULD BE IN DELINEATING A TEMPORARY GORE OR TURNING RADIUS. IN SUCH AREAS THE SPACING OF CHANNELIZING DEVICES MAY BE REDUCED TO 10 FEET FOR SPEEDS OF 40 M.P.H. OR LESS, AND 20 FEET FOR SPEEDS GREATER THAN 40 M.P.H.

WHEN CHANNELIZING DEVICES ARE USED TO DIRECT TRAFFIC ACROSS EXISTING LANE LINES OR EDGE LINES, THE SPACING BETWEEN CHANNELIZING DEVICES SHALL BE REDUCED 50%. SPACING SHOULD ALSO BE REDUCED WHEN CHANNELIZING DEVICES ARE PLACED ON CURVES, HILLS, OR NEXT TO POTENTIAL HAZARDS.

ALL TRAFFIC CONTROL CHANNELIZING DEVICES SHALL MEET MUTCD COLOR REQUIREMENTS.

FLAGGERS MUST BE CLEARLY VISIBLE TO APPROACHING TRAFFIC FOR A DISTANCE SUFFICIENT TO PERMIT PROPER RESPONSE BY MOTORISTS TO THE FLAGGING INSTRUCTIONS, AND TO PERMIT TRAFFIC TO REDUCE SPEED OR STOP BEFORE ENTERING THE TEMPORARY TRAFFIC CONTROL ZONE, FLAGGERS SHALL BE POSITIONED TO MAINTAIN MAXIMUM COLOR CONTRAST BETWEEN THE FLAGGER'S REFLECTIVE CLOTHING AND EQUIPMENT AND THE WORK AREA BACKGROUND.

DURING HOURS OF DARKNESS, FLAGGER STATIONS SHALL BE ILLUMINATED SUCH THAT THE FLAGGER WILL BE CLEARLY VISIBLE TO APPROACHING TRAFFIC. LIGHTS TO BE USED FOR ILLUMINATING THE STATION SHALL BE APPROVED BY THE ENGINEER, REFLECTORIZED PADDLES AND REFLECTORIZED VESTS, SHIRTS OR JACKETS SHALL BE USED FOR NIGHTTIME FLAGGING.

UNLESS OTHERWISE SPECIFIED IN THE PLANS, THE COST OF FLAGGING OPERATIONS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

REVISIONS DESCRIPTION MODIFIED NOTES DATE

MINIMUM STANDARDS FOR TRAFFIC CONTROL DEVICES

(1) WARNING LIGHTS (TYPE A FLASHERS AND TYPE C STEADY BURN)

(A) NOT LESS THAN NINETY (90) PERCENT OF THE TOTAL NUMBER OF LIGHTS BEING USED AT ANY ONE TIME SHALL BE FULLY OPERATIONAL.

(B) NOT MORE THAN THREE (3) LIGHTS ADJACENT TO ONE ANOTHER SHALL BE

(2) ARROW DISPLAY
(A) WHEN IN ARROW MODE, NO MORE THAN TWO (2) LAMPS IN THE STEM AND ZERO (0) LAMPS IN THE HEAD SHALL BE FAILING. THE DIMMING FUNCTION SHALL BE OPERATING PROPERLY.
(B) WHEN IN CAUTION MODE (CORNERS), A MINIMUM OF FOUR (4) LAMPS SHALL BE OPERATIONAL. THE DIMMING FUNCTION SHALL BE OPERATING PROPERLY.
(C) ANY LAMP WHICH IS LIGHTED BUT IMPROPERLY ALIGNED SHALL NOT BE CONSIDERED OPERATIONAL.

(3) CHANGEABLE MESSAGE SIGNS
(A) NOT LESS THAN NINETY (90) PERCENT OF THE PIXELS SHALL BE FUNCTIONAL IN EACH CHARACTER MODULE.

(B) NO SANDBAG BALLASTING OVER 3 FEET IN HEIGHT

(4) PAVEMENT MARKING TAPE

(A) NOT MORE THAN TEN (10) PERCENT OF ALL TAPE, PAINT, MESSAGE OR SYMBOL SHALL BE MISSING

(B) NOT MORE THAN TWO (2) CONSECUTIVE DASHED LINES SHALL BE MISSING.

(C) NOT MORE THAN FIFTY (50) CONTINUOUS FEET OF A SOLID LINE SHALL BE

(5) CONSTRUCTION ZONE PAVEMENT MARKERS
(A) NOT MORE THAN TEN (10) PERCENT OF THE TOTAL NUMBER OF MARKERS SHALL BE MISSING.
(B) NOT MORE THAN THREE (3) CONSECUTIVE MARKERS SHALL BE MISSING.

STRIPING

WHENEVER THE WORK CAUSES THE OBLITERATION OF PAVEMENT MARKINGS, EITHER TEMPORARY OR PERMANENT MARKINGS SHALL BE IN PLACE PRIOR TO OPENING THE ROADWAY TO TRAFFIC. CENTERLINE PAVEMENT MARKINGS SHALL BE PROVIDED AT ALL TIMES FOR ROADWAYS OPEN TO TRAFFIC

THE APPLICATION SURFACES FOR PAVEMENT MARKINGS SHALL BE FREE OF DUST, DIRT, MOISTURE OR OTHER FOREIGN MATTER WHICH WOULD INTERFERE WITH ADHESION, INSTALLATION OF ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED IMMEDIATELY AHEAD OF THE PERMANENT STRIPING OPERATIONS OR RE-STRIPING FOR FOLLOWING CONSTRUCTION PHASES.

WHEN REMOVABLE PAVEMENT MARKINGS TAPE IS TO BE INSTALLED ON NEW CONCRETE PAVEMENT, THE CURING COMPOUND SHALL BE REMOVED PRIOR TO INSTALLATION.

IF REMOVABLE PAVEMENT MARKING TAPE IS INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND FAILS DURING THE FIRST SIX MONTHS OF SERVICE, IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. REPLACEMENT SHALL BE ACCOMPLISHED IN A TIMELY MANNER UPON BEING NOTIFIED, BY THE ENGINEER, OF SUCH FAILURE.

WHEN LANE CLOSURES ARE REQUIRED ON TWO-LANE / TWO-WAY ROADWAYS, THE CONTRACTOR MAY, AT HIS OPTION, UTILIZE A PILOT CAR. IF THE CONTRACTOR ELECTS TO USE A PILOT CAR, CHANNELIZING DEVICES ALONG THE CENTERLINE WILL NOT BE REQUIRED. THE PILOT CAR OPERATOR SHALL BE IN RADIO CONTACT WITH PERSONNEL IN THE TEMPORARY TRAFFIC CONTROL ZONE. MAXIMUM SPEED OF THE PILOT CAR THROUGH THE WORK AREA SHALL BE 25 M.P.H. FULL COMPENSATION FOR FURNISHING AND OPERATING THE PILOT CAR, (INCLUDING DRIVER, RADIOS, AND ANY OTHER EQUIREMT OR LABOR REQUIRED) SHALL BE CONSIDERED AS INCLUDED IN THE COST OF OTHER ITEMS OF WORK.

MISCELLANEOUS

TRAFFIC CONDITIONS MAY NECESSITATE CHANGES IN THE USE ANDOR QUANTITIES OF THE TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLANS OR IN THE STANDARDS. ANY SUCH CHANGES ARE SUBJECT TO APPROVAL BY THE ENGINEER.

ALL CHANNELIZING DEVICES PROVIDED ON THIS PROJECT SHALL BE IN GOOD CONDITION AND SHALL BE APPROVED FOR USE ON THIS PROJECT BY THE ENGINEER.

THE REGULATORY SPEED LIMITS THROUGH THE WORK ZONE MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER WITH THE DOCUMENTED APPROVAL OF THE DIVISION ENGINEER IN ACCORDANCE WITH TITLE 47 OF THE OKLAHOMA MOTOR VEHICLE LAWS.

THE TERMINATION AREA EXTENDS FROM THE DOWNSTREAM END OF THE WORK AREA TO THE TEMPORARY TRAFFIC CONTROL DEVICE SUCH AS "END ROAD WORK" SIGNS, IF POSTED. A SPEED SIGN, OR OTHER SIGNS MAY BE USED TO INFORM ROAD USERS THAT THEY CAN RESUME NORMAL OPERATIONS.

THE CONSTRUCTION SIGNING AND BARRICADE CONTRACTOR SHOULD AFFIX THEIR COMPANY NAME ANDOR LOGO INCONSPICUOUSLY ON EACH TRAFFIC CONTROL DEVICE.

APPROVED BY TRAFFIC ENGINEER: Hald Stage

DATE: 3/21/11

TRAFFIC STANDARD TRAFFIC CONTROL STANDARD TRAFFIC CONTROL CONSTRUCTION NOTES

2009 SPECIFICATIONS

TCS1-1

CONSTRUCTION ZONE PAVEMENT MARKERS

x

SPEED	9.5	TAPER LENGTH (MINIMUM) (FT)		CHA	NUMBER OF CHANNELIZING DEVICES REQUIRED (MINIMUM)			SPACING CHANNELIZING DEVICES (MAXIMUM)		SPEED	
LIMIT M.P.H.	FORMULA	10' OFFSET	11' OFFSET	12' OFFSET	10' OFFSET	11' OFFSET	12' OFFSET	TAPER SECTION (FT.)	THRU TANGENT SECTION (FT.)	DETOUR (DEGREE) (S=0)	LIMIT M.P.H.
20	L = W x52	70	75	80	- 5	5	5	20	40	·	20
25		105	115	125	- 6	6	6	25	50		25
30		150	165	180	6	7	7	30	60	15	30
35	- 00	205	225	245	7	8	8	35	- 70	11	35
40		265	295	320	- 8	9.	9	40	80	8	40
45		450	495	540	- 11	12.	13	45	90	- 6	45
50		500	550	600	- 11	12	13	50	100	- 5	50
65		550	605	660	12	14	15	50	100	4	55
60	L = W x S	600	660	720	13	15	16	50	100	-3	60
65		650	715	780	14	16	17	50	100	2.5	55
70		700	770	840	15	17	18	50	100	2	70
75		750	825	900	16	18	19	50	100	1.8	75

RECOMMENDED CLEAR ZONE DISTANCE (FT) (CONSTRUCTION WORK ZONES) FILL SLOPES

61 OR

FLATTER

10

13

5:1 OR

4.1

12

10

13

16 *

17 *

THE CLEAR ZONE MAY BE LIMITED TO 15 FEET FOR PRACTICALITY AND TO PROVIDE A CONSISTENT * ROADWAY TEMPLATE.

(2) FOR CLEAR ZONES, THE "DESIGN ADT" WILL BE THE TOTAL ADT ON TWO-WAY ROADWAYS AND DIRECTIONAL ADT ON ONE-WAY ROADWAYS IE.G., RAMPS AND ONE ROADWAY OF A DIVIDED

(3) FILL SLOPES WHICH ARE 3:1 OR STEEPER ARE CRITICAL AND MAY REQUIRE A BARRIER THEREFORE

3:1

THECOMMENDED SIGNING TO BE USED THRU LANE TAPER IS (I) CWI-8 ON EVERY OTHER DRUM.

RECOMMENDED SIGNING TO BE USED THRU TANGENT LANES IS (1) R4-7A(R) OR (I) R4-7A(L) (AS APPLIES) ON EVERY OTHER DRUM.

L - TAPER LENGTH IN FEET

W - WIDTH OF OFFSET IN FEET

S = POSTED SPEED OR OFF-PEAK BS PERCENTILE SPEED IN MPH

DESIGN

UNDER 750

750-1500

1500-6000 OVER 6000 UNDER 750

750-1500 1500-6000 OVER 6000

UNDER 750

750-1500 1500-6000

OVER 6000

UNDER 750

750-1500

1500-6000

OVER 6000

UNDER 750

750-1500

1500-6000

OVER 6000

(1) ALL DISTANCES ARE MEASURED FROM EDGE OF THE TRAVEL LANE.

DESIGN

SPEED

40 MPH

OR LESS

45-50 MPH

55

MPH

60

MPH

65-70

PE.	OF	TA	IPER
STE	REA	M	TAPERS

UPSTREAM TAPER MERGING TAPER SHIFTING TAPER SHOULDER TAPER

TWO-WAY TRAFFIC TAPER

CUT SLOPES

4:1 OR

5:1

6:1 OR

FLATTER

10

10

12

13

1/3 L MINIMUM 100 FEET MAXIMUM

L MINIMUM

TAPER LENGTH

1/2 L MINIMUM

100 FEET PER LANE

DOWNSTREAM TAPERS

3.1

OPTIONALS
ъ.

SPEED *	FLARE RATE (MINIMUM)				
40 M.P.H.	9 TO 1				
45 M.P.H.	10 TO 1				
50 M.P.H.	11 TO 1				
56 M.P.H.	12 70 1				
60 M.P.H.	13 TO 1				
65 M.P.H.	14 TO 1				
70 M.P.H.	15 TO 1				
75 M.P.H.	16 TO 1				

	The state of the s
SPEED * (MPH)	LENGTH (FEET)
20 M.P.H.	115
25 M.P.H.	155
30 M.P.H.	200
35 M.P.H.	250
40 M.P.H.	305
45 M.P.H.	360
50 M.P.H.	425
55 M.P.H.	495
60 M.P.H.	570
65 M.P.H.	645
70 M.P.H.	730
75 M.P.H.	820

* POSTED SPEED, OFF-PEAK 85th PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED,

RECOMMENDED DISTAN	CE BETW	EEN SIGN	5 (MIN.)
ROAD TYPE	A (FT)	B (FT)	C (FT)
URBAN (LOW SPEED)	100	100	100
URBAN (HIGH SPEED)	350	350	350
RURAL	500	500	500
EXPRESSWAY /FREEWAY	1,000	1,500	2,640

entra era mer	TOTAL TO CONTINUE CONTINUE						
PEED *	FLARE RATE (MINIMUM)		PAVEMENT	MARKINGS THE	POLICH TEMPOR	ARY TRAFFIC CONTE	OI ZONE
M.P.H.	9 70 1	_	PAVEMENT	FLEX TAB	TAPE	TAPE	PAINT
5 M.P.H.	10 TO 1		DRIVING SURFACE	MARKERS	(REMOVABLE)	(NON-REMOVABLE)	PART
M.P.H.	11 70 1		EXISTING PAVEMENT TO BE REMOVED OR OVERLAYED IN THE NEXT PHASE	x	x	x	х
5 M.P.H.	12 70 1		EXISTING PAVEMENT TO BE LEFT IN PLACE THRU THE NEXT PHASE	×	x		
M.P.H.	13 TO 1	-	TO STATE OF THE PARTY OF THE PA				
5 M.P.H.	14 10 1	Spiral	INTERMEDIATE LIFT	X	×	×	X:
M.P.H.	15 TO 1		MILLED SURFACE	×	x	×	×
5 M.P.H.	16 TO 1		FINAL UFT	×	×		
ED SPEED LIM	T PRIOR TO CONSTRUCTION		EXISTING PAVEMENT TO BE REMOVED OR OVERLAYED IN THE NEXT PHASE	×	x	x	×
		CONCRETE	EXISTING PAVEMENT TO BE LEFT IN PLACE THRU THE NEXT PHASE	×	×		
			FINAL SURFACE	x	×		x

NOTE: USE OF NON-REMOVABLE TAPE (FOILBACK) SHALL BE LIMITED TO THOSE CONDITIONS SHOWN IN THE TABLE.

				C	ROSSOVI	ER CRITE	RIA FOR		ZONES			
WIDTH OF MEDIAN	LAYERAL SHIFT -	\vdash			LEN	TH OF C	ROSSOVER	- LC * 01	1			
			V	30 M.P.H.	35 M.P.H.	40 M.P.H.	45 M.P.H.	50 M.P.H.	55 M.P.H.	60 M.P.H.	65 M.P.H.	70 M.P.H.
(W)	(P)	D.	15°	II.o.	80	6°	5°	4°	3°	2.5°	20	1.80
(FT)	(FT)	R.	382	521	716	955	1146	1433	1910	2292	2865	3183
20	32		219	256	301	348	382	427	493	541	605	637
30	42		250	293	344	398	437	489	565	619	692	730
40	52		277	325	382	443	485	543	628	688	770	812
50	62		301	354	417	483	529	593	685	761	841	886
60	72		324	381	448	519	570	638	738	809	905	955
70	82		344	405	478	554	608	681	787	863	966	1,018
80	92	-	363	428	505	585	643	720	833	914	1,023	1,078
90	102		381	450	531	616	676	758	877	962	1,076	1,135
100	112		398	470	665	544	708	793	918	1,007	1,127	1,189
110	122		414	489	578	672	738	827	958	1,050	1,176	1,240
120	132		429	508	601	698	767	860	995	1,092	1,223	1,290

* CROSSOVER - REVERSE CURVE CONNECTION TYING TWO (2) PARALLEL ROADWAYS.

APPROVED BY TRAFFIC ENGINEER

TRAFFIC STANDARD TRAFFIC CONTROL STANDARD TRAFFIC CONTROL TABLES AND CHARTS

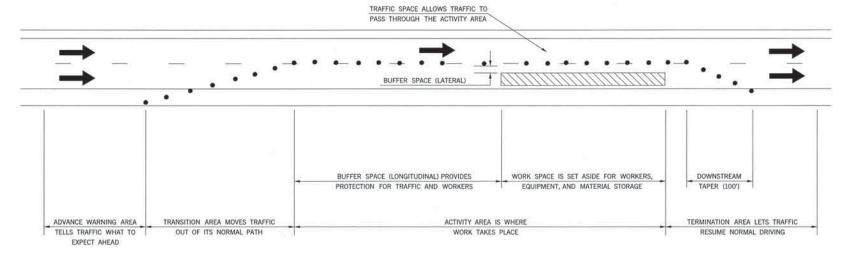
2009 SPECIFICATIONS

TCS2-1

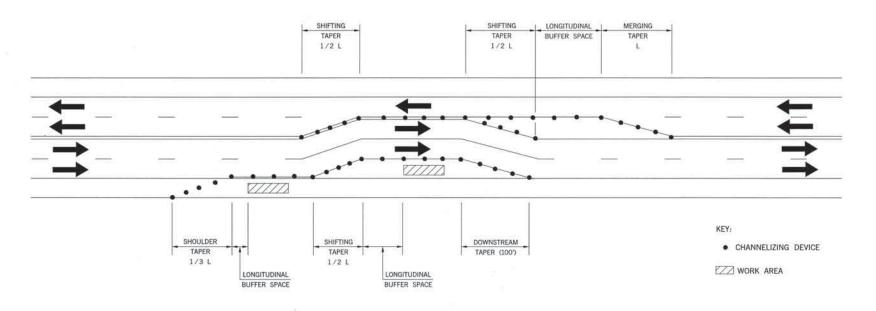
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DATE: 5/23/10

DESCRIPTION REVISIONS DATE
CHANGED TRANSITION NOTATION 5/31/2011



COMPONENT PARTS OF A TEMPORARY TRAFFIC CONTROL ZONE



TAPERS AND BUFFER SPACE

TEMPORARY TRAFFIC CONTROL ELEMENTS

APPROVE TRAFFIC

APPROVED BY TRAFFIC ENGINEER: Wild Shady

DATE:5/31/2011

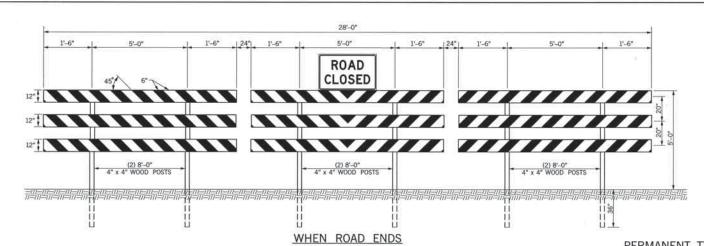
TRAFFIC STANDARD

TRAFFIC CONTROL STANDARD
TEMPORARY TRAFFIC CONTROL ELEMENTS

2009 SPECIFICATIONS

TCS3-1

\$\$date\$\$



ORANGE STRIPES

WHITE STRIPES

TYPE "C" WARNING LIGHT (OPTIONAL)

DIRECTION INDICATOR BARRICADE

BLACK (NON-REFLECTORIZED)

ORANGE STRIPES

WHITE STRIPES

BACKGROUND: FLUORESCENT ORANGE

REVISIONS CHANGED TYPE 'C' LIGHT TO OPTIONAL 3/15/2011 FOR T-INTERSECTIONS

PERMANENT TYPE III(A/B) BARRICADE

NOTES: A PERMANENT BARRICADE TYPE III(A) SHALL CONSIST OF NINE (9) PANELS AND SIX (6) POSTS.

TYPICAL INSTALLATION AS SHOWN IS FOR AN ABSOLUTE

BARRICADES SHOULD NOT BE PLACED PARALLEL TO TRAFFIC IF NOT OUTSIDE OF CLEAR ZONE.

PERMANENT BARRICADE TYPE III(B) WILL BE IDENTICAL TYPE III(A) WITH NINE (9) ADDITIONAL REFLECTOR 34"x12" LUMBER PANELS ATTACHED TO THE BACK SIDE OF THE BARRICADE.

NOTES: FOR WOODEN BARRICADES NOMINAL LUMBER DIMENSIONS WILL BE SATISFACTORY.

FOR RAILS LESS THAN 3 FEET LONG, 4 INCH WIDE STRIPES SHALL BE USED.

TYPE III BARRICADES SHALL BE CONSTRUCTED USING A MINIMUM OF TWO (2) POSTS.

FOR WOODEN BARRICADES, PANEL THICKNESS SHALL NOT EXCEED ONE-HALF INCH (1/2").

BARRICADES SHOULD NOT BE PLACED PARALLEL TO TRAFFIC IF NOT OUTSIDE OF CLEAR ZONE

PROJECTS WITH WORK LIMITS OF 2.0 MILES OR MORE IN LENGTH WILL REQUIRE THE G20-1A SIGN. THE SIGN (G20-1A) WILL BE REQUIRED ON ONE SIDE OF A 2-LANE ROADWAY AND BOTH SIDES OF A DIVIDED HIGHWAY.

ALL BARRICADE STRIPES SHALL BE RETROREFLECTIVE. COLOR: BACKGROUND - WHITE (REFLECTORIZED)

DIAGONAL STRIPES - FLUORESCENT ORANGE (REFLECTORIZED)

IF BARRICADES ARE USED TO CHANNELIZE PEDESTRIANS, THERE SHALL BE CONTINUOUS DETECTABLE BOTTOM AND TOP RAILS WITH NO GAPS BETWEEN INDIVIDUAL BARRICADES TO BE DETECTABLE TO USERS OF LONG CANES. THE BOTTOM OF THE BOTTOM RAIL SHALL BE NO HIGHER THAN 6 INCHES ABOVE THE GROUND SURFACE. THE TOP OF THE TOP RAIL SHALL BE NO LOWER THAN 36 INCHES ABOVE THE GROUND SURFACE.

SIGNS MOUNTED ON TYPE III BARRICADES SHOULD NOT COVER MORE THAN 50 PERCENT OF THE TOP TWO RAILS OR 33 PERCENT OF THE TOTAL AREA OF THE THREE RAILS

SIGNS MOUNTED ON BARRICADES, OR OTHER PORTABLE SUPPORTS, SHALL BE NO LESS

SANDBAGS MAY BE PLACED ON LOWER PARTS OF THE FRAME OR THE STAYS OF BARRICADES TO PROVIDE THE REQUIRED BALLAST.

BALLAST SHALL NOT BE PLACED ON TOP OF ANY STRIPED RAIL BARRICADES SHALL NOT BE BALLASTED BY NONDEFORMABLE OBJECTS SUCH AS ROCKS OR CHUNKS OF CONCRETE. BALLAST SHALL NOT EXTEND INTO THE ACCESSIBLE PASSAGE WIDTH OF

DIRECTION INDICATOR BARRICADE SHALL CONSIST OF A ONE-DIRECTION LARGE ARROW (W1-6) SIGN MOUNTED ABOVE A DIAGONAL STRIPED, HORIZONTALLY ALIGNED, RETRO-REFLECTIVE RAIL.

WHERE BARRICADES EXTEND ENTIRELY ACROSS A ROADWAY, THE STRIPES SHOULD SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH ROAD USERS MUST TURN.

WHERE BOTH RIGHT AND LEFT TURNS ARE PROVIDED, THE BARRICADE STRIPES SHOULD SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE OR

WHERE NO TURNS ARE INTENDED, THE STRIPES SHOULD BE POSITIONED TO SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES.

BASIS OF PAYMENT							
ITEM NO.	ITEM	UNIT					
880(B)	CONSTRUCTION SIGNS	SD					
880(C)	CONSTRUCTION BARRICADES	SD					
880(E)	WARNING LIGHTS	SD					



APPROVED BY

TRAFFIC STANDARD

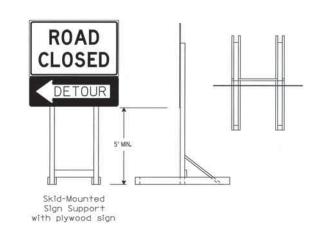
TRAFFIC CONTROL STANDARD TRAFFIC CONTROL DEVICES

2009 SPECIFICATIONS

TCS4-1 T-504

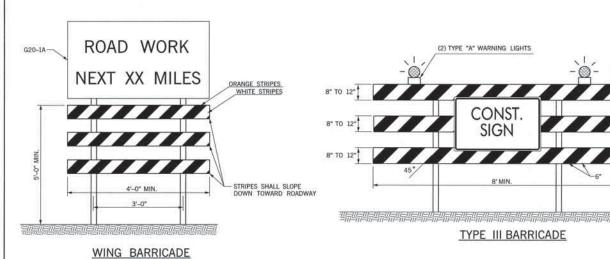
DATE: 3/21/11

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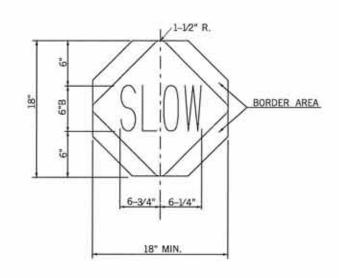
LONG/INTERMEDIATE TERM STATIONARY PORTABLE SIGN SUPPORTS

5 Foot Mounting Height (SKID MOUNTED) (SHALL BE PLACED BEHIND TYPE III BARRICADE)



ORANGE STRIPES WHITE STRIPES TYPE II BARRICADE

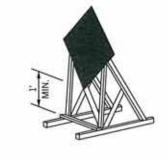
STOP: LEGEND AND BORDER: WHITE (REFLECTORIZED) BACKGROUND: RED (REFLECTORIZED)



SLOW: LEGEND AND BORDER AREA: BLACK (NON-REFLECTORIZED) BACKGROUND: ORANGE (REFLECTORIZED)

STOP-SLOW PADDLE

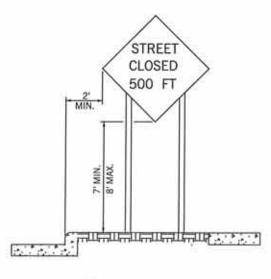




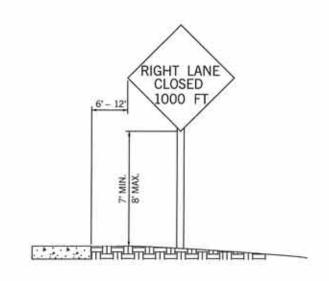
ORANGE FLAGS (OPTIONAL) LAG SIZE 16" x 16" (MIN.)

NOTE: THE BOTTOM OF SIGNS MOUNTED ON BARRICADES OR TEMPORARY SUPPORTS SHALL NOT BE LESS THAN 1 FOOT ABOVE THE TRAVELED WAY.

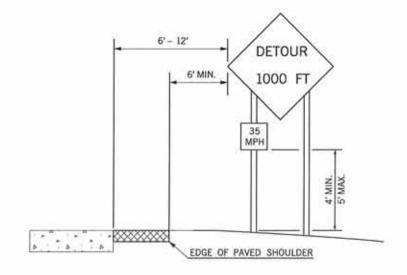
PORTABLE AND TEMPORARY MOUNTINGS METHODS OF MOUNTING SIGNS OTHER THAN ON POSTS



URBAN DISTRICT (WITH CURB)

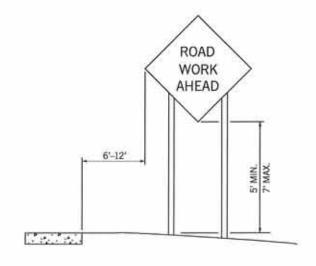


URBAN DISTRICT (WITHOUT CURB)



RURAL DISTRICT WITH ADVISORY SPEED PLATE

HEIGHT AND LATERAL LOCATIONS OF SIGNS - TYPICAL INSTALLATIONS



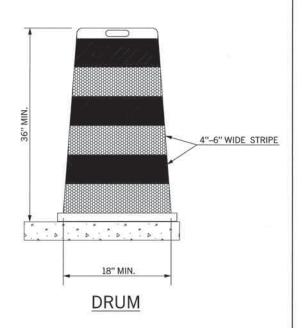
RURAL DISTRICT

TRAFFIC STANDARD

TRAFFIC CONTROL STANDARD TYPICAL SIGN INSTALLATION

2009 SPECIFICATIONS

TCS5-1



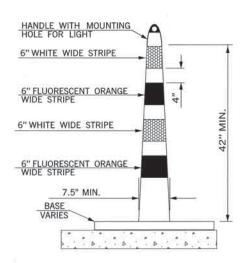
NOTES:

METAL DRUMS SHALL NOT BE USED.

EACH DRUM SHALL HAVE A MINIMUM OF TWO (2) FLUORESCENT ORANGE STRIPES ALTERNATING WITH A MINIMUM OF TWO (2) WHITE STRIPES. THESE STRIPES SHALL CONSIST OF RETROREFLECTIVE SHEETING.

BALLAST SHALL NOT BE PLACED ON TOP OF A DRUM.

DRUMS SHALL NOT BE USED TO DELINEATE AN EDGE DROP OFF IF THEY MUST BE PLACED IN THE DROP OFF AREA BELOW THE LEVEL OF THE DRIVING SURFACE.



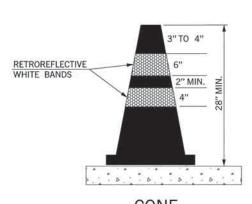
CHANNELIZER CONE

CHANNELIZER CONES USED ON HIGH SPEED ROADWAYS, ON ALL HIGHWAYS DURING NIGHTTIME, OR WHENEVER MORE CONSPICUOUS GUIDANCE IS NEEDED SHALL BE A MINIMUM OF 42 INCHES HIGH.

EACH CHANNELIZERS CONES SHALL HAVE A MINIMUM OF TWO (2) FLUORESCENT ORANGE STRIPES ALTERNATING WITH A MINIMUM OF TWO (2) WHITE STRIPES. THESE STRIPES SHALL CONSIST OF RETROREFLECTIVE SHEETING.

BASE SHALL WEIGH 30 LBS. OR MORE.

NOTES:

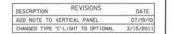


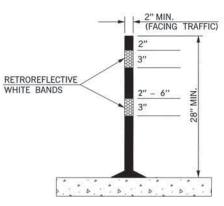
CONE

NOTES:

CONES USED ON HIGH SPEED ROADWAYS, ON ALL HIGHWAYS DURING NIGHTTIME, OR WHENEVER MORE CONSPICUOUS GUIDANCE IS NEEDED SHALL BE A MINIMUM OF 28 INCHES HIGH.

CONES SHALL BE PREDOMINANTLY ORANGE, WITH WHITE RETROREFLECTIVE SHEETING.



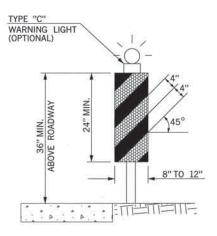


TUBE CHANNELIZER

NOTES

TUBE CHANNELIZERS USED ON HIGH SPEED ROADWAYS, ON ALL HIGHWAYS DURING NIGHTTIME, OR WHENEVER MORE CONSPICUOUS GUIDANCE IS NEEDED SHALL BE A MINIMUM OF 28 INCHES HIGH.

TUBE CHANNELIZERS SHALL BE PREDOMINANTLY ORANGE, WITH WHITE RETROREFLECTIVE SHEETING.

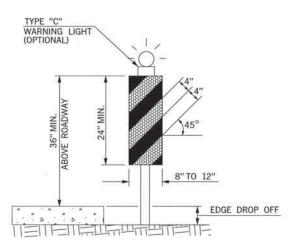


VERTICAL PANEL W/NO DROP OFF

PANEL STRIPE WIDTHS SHALL BE 6 INCHES EXCEPT WHERE PANELS LENGTHS ARE LESS THAN 36 INCHES, THEN 4 INCH WIDE STRIPES MAY BE USED.

MARKINGS FOR VERTICAL PANELS SHALL BE ALTERNATING FLUORESCENT ORANGE AND WHITE RETROEFLECTORIZED STRIPES (SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS).

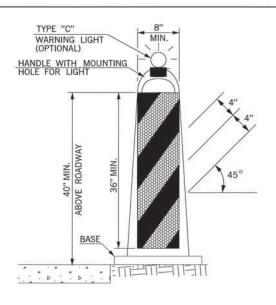
SHALL HAVE A MINIMUM OF TWO (2) FULL FLUORESCENT ORANGE STRIPES.



VERTICAL PANEL W/DROP OFF

ON UNDIVIDED HIGHWAYS, VERTICAL PANELS SHALL HAVE A MINIMUM OF 192 SQUARE INCHES OF RETROREFLECTIVE SHEETING ON EACH PANEL (FRONT AND BACK). WHEN USED ON HIGH SPEED ROADWAYS, VERTICAL PANELS SHALL HAVE MINIMUM OF 270 SQUARE INCHES OF RETROREFLECTIVE SHEETING ON EACH PANEL (FRONT AND BACK). THIS SHALL CONSTITUTE ONE (1) COMPLETE VERTICAL PANEL.

ON DIVIDED HIGHWAYS A VERTICAL PANEL MAY HAVE SHEETING ON ONLY ONE SIDE.



STACKABLE VERTICAL PANEL

NOTES:

- (1) VERTICAL PANEL SIGNS SHALL BE MOUNTED BACK TO BACK WHEN USED FOR TWO-WAY TRAFFIC.
- (2) BASE SHALL BE NO LARGER THAN 28" LONG BY 20" WIDE, AND 2" THICK.
- (3) BASE SHALL WEIGHT 30 LBS. OR MORE.
- (4) THESE DEVICES SHALL BE CONSTRUCTED OF A MATERIAL THAT CAN BE STRUCK WITHOUT DAMAGING VEHICLES ON IMPACT.



BASIS OF PAYMENT								
ITEM NO.	ITEM	UNIT						
880(D)	VERTICAL PANEL	SD						
880(E)	WARNING LIGHTS	SD						
880(F)	DRUMS	SD						
880(G)	TUBE CHANNELIZERS	SD						
880(H)	CONES	SD						
880(G)	CHANNEL I ZER CONES	SD						



APPROVED BY
TRAFFIC ENGINEER: Chuld Small

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
CHANNELIZING DEVICES

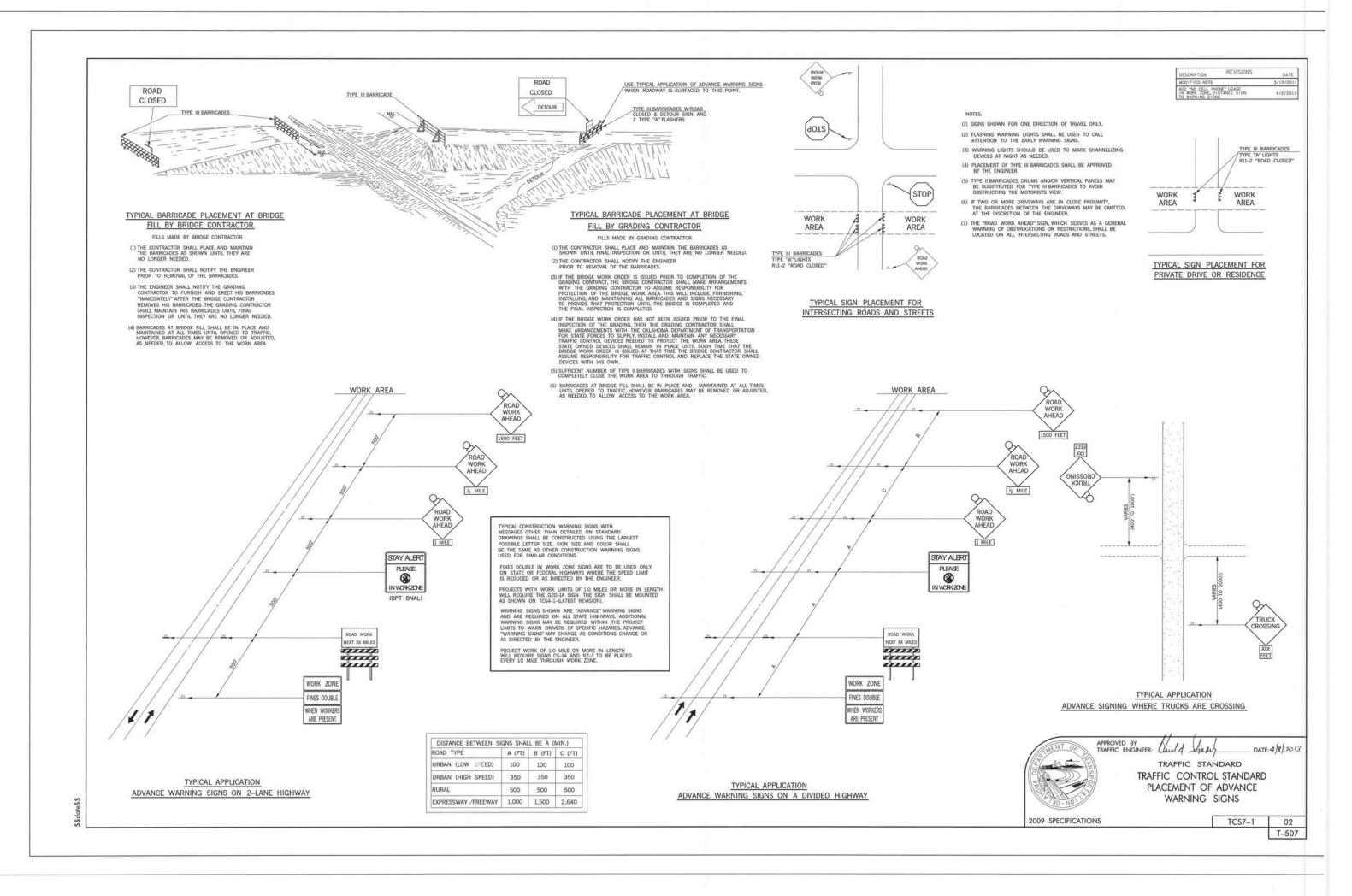
2009 SPECIFICATIONS

TCS6-1

02 T-506

DATE: 3/21/11

.



30 x 30 5.18 SF RI-1E 36 x 36 7.46 SF R1-1F 48 x 48 13.26 SF

COLOR: LEGEND AND BORDER: WHITE (REFLECTORIZED) BACKGROUND: RED (TRANSPARENT REFLECTORIZED)



R1-2 36 x 36 x 36 3.90 SF R1-2E 48 x 48 x 48 6.93 SF R1-2F 60 x 60 x 60 10.83 SF

COLOR: LEGEND AND BORDER: RED (TRANSPARENT REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)



SPEED LIMIT

R2-1(1) 24 x 30 5.00 SF

R2-1E() 36 x 48 12.00 SF

R2-1F() 48 x 60 20.00 SF

BLACK (NON-REFLECTORIZED)

LEGEND AND BORDER:

WHITE (REFLECTORIZED)

COLOR:

BACKGROUND:

BACKGROUND:

WHITE (REFLECTORIZED)

NO RIGHT TURN

R3-1 24 x 24 4.00 SF R3-1E 36 x 36 9.00 SF R3-1F 48 x 48 16.00 SF

WHITE (REFLECTORIZED)

COLOR:

ARROW AND BORDER: BLACK (NON-REFLECTOR I ZED) CIRCLE AND DIAGONAL: RED (TRANSPARENT REFLECTORIZED) BACKGROUND:



NO LEFT TURN

R3-2 24 x 24 4.00 SF R3-2E 36 x 36 9.00 SF R3-2F 48 x 48 16.00 SF

COLOR: ARROW AND BORDER: BLACK (NON-REFLECTOR I ZED) CIRCLE AND DIAGONAL: RED (TRANSPARENT REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)



KEEP RIGHT SIGN

R4-7 24 x 30 5.00 SF R4-7E 36 x 48 12.00 SF R4-7F 48 x 60 20.00 SF

COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND: WHITE (REFLECTORIZED)



KEEP LEFT SIGN

R4-8 24 x 30 5.00 SF R4-8E 36 x 48 12.00 SF R4-8F 48 x 60 20.00 SF

COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)



KEEP RIGHT

R4-7a(R) 24 x 30 5.00 SF 36 x 48 12.00 SF R4-7a(R)E R4-7a(R)F 48 x 60 20.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED)



KEEP LEFT

R4-7a(L) 24 x 30 5.00 SF 36 x 48 12.00 SF R4-7a(L)E R4-7a(L)F 48 x 60 20.00 SF

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND: WHITE (REFLECTORIZED)



DO NOT ENTER

R5-1 30 x 30 6.25 SF R5-1E 36 x 36 9.00 SF R5-1F 48 x 48 16.00 SF

COLOR: SYMBOL::

RED (TRANSPARENT REFLECTORIZED) LEGEND AND BACKGROUND:: WHITE (REFLECTORIZED)



ONE WAY

R6-1(L) 36 x 12 3.00 SF R6-1E(L) 54 x 18 6.75 SF R6-1F(L) 54 x 18 6.75 SF

COLOR: ARROW AND BORDER: WHITE (NON-REFLECTORIZED) LEGEND AND BACKGROUND: BLACK (REFLECTOR I ZED)



ONE WAY

R6-1(R) 36 x 12 3.00 SF R6-1E(R) 54 x 18 6.75 SF R6-1F(R) 54 x 18 6.75 SF

COLOR: ARROW AND BORDER: WHITE (NON-REFLECTORIZED) LEGEND AND BACKGROUND: BLACK (REFLECTORIZED)



STOP HERE ON RED

R10-6 24 x 36 6.00 SF

COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)

NOTES:

WORD SIGNS MAY BE USED IF SYMBOL SIGNS ARE NOT AVAILABLE EITHER IN "STANDARD HIGHWAY SIGNS MANUAL" OR IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) (CURRENT EDITION).

	BASIS OF PAYMENT	
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD

TRAFFIC ENGINEER (AND DATE 6/23/10 TRAFFIC STANDARD

DESCRIPTION REVISIONS

DATE

TRAFFIC CONTROL STANDARD CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS8-1

ROAD CLOSED

ROAD CLOSED

R11-2 48 x 30 10.00 SF

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)

LANE CLOSED

LANE CLOSED

R11-2(LANE) 48 x 30 10.00 SF

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)

ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY

ROAD CLOSED XX MILES AHEAD

R11-3a 60 x 30 12.50 SF

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)

BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY

BRIDGE OUT XX MILES AHEAD

R11-3b 60 x 30 12.50 SF

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)

ROAD CLOSED THRU TRAFFIC

ROAD CLOSED TO THRU TRAFFIC

R11-4 60 x 30 12.50 SF

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: WHITE (REFLECTORIZED)



DETOUR SIGN

M4-8E

24 x 12 2.00 SF 30 x 15 3.13 SF

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)



DETOUR SIGN

M4-9(R) 30 x 24 5.00 SF M4-9(R)E 48×36 12.00 SF M4-9(R)F $60 \times 48 \ 20.00 \ SF$

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)



DETOUR SIGN

M4-9(L) 30 x 24 5.00 SF M4-9(L)E 48×36 12.00 SF M4-9(L)F $60 \times 48 \ 20.00 \ SF$

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)



DETOUR SIGN

M4-9(V) $30 \times 24 = 5.00 \text{ SF}$ M4-9(V)E 48×36 12.00 SF M4-9(V)F $60 \times 48 20.00 \text{ SF}$

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)



DETOUR SIGN

M4-10(R) 48 x 18 6.00 SF

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)



DETOUR SIGN

M4-10(L) 48 x 18 6.00 SF

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)

ROAD WORK NEXT XX MILES

ROAD WORK NEXT XX MILES SIGN

G20-1A 36 x 18 4.50 SF

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)

END ROAD WORK

END ROAD WORK SIGN

G20-2A 36 x 18 4.50 SF

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)

PILOT CAR FOLLOW ME

PILOT CAR FOLLOW ME SIGN

G20-4 36 x 18 4.50 SF

COLOR:

LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)

NOTES:

WORD SIGNS MAY BE USED IF SYMBOL SIGNS ARE NOT AVAILABLE EITHER IN "STANDARD HIGHWAY SIGNS MANUAL" OR IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) (CURRENT EDITION).

ALL DIAMOND SHAPE CONSTRUCTION WARNING SIGNS SHALL BE 48 INCHES X 48 INCHES UNLESS OTHERWISE NOTED IN THE PLANS

	BASIS OF PAYMENT	
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



TRAFFIC STANDARD

TRAFFIC CONTROL STANARD CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS9-1 01



CHEVRON

18 x 24 3.00 SF W1-8 W1-8E 30 x 36 7.50 SF 12.00 SF W1-8F 36 x 48

COLOR: SYMBOL AND BORDER: BLACK (NON-REFLECTOR IZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR I ZED)



STOP AHEAD 48 x 48 16.00 SF

W3-1 COLOR: BORDER AND ARROW: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED) SYMBOL:

WHITE BORDER ON RED BACKGROUND

(REFLECTOR I ZED)



YIELD AHEAD 48 x 48 W3-2 16.00 SF

COLOR: BORDER AND ARROW: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTOR) ZED WHITE BORDER ON RED BACKGROUND

(REFLECTOR I ZED)



SIGNAL AHEAD

48 x 48 16.00 SF W3-3 COLOR:

SYMBOL AND BORDER: BLACK (NON-REFLECTOR IZED) BACKGROUND:

FLUORESCENT ORANGE (REFLECTORIZED) R = RED (REFLECTOR I ZED)

Y = YELLOW (REFLECTORIZED) G = GREEN (REFLECTORIZED)



BE PREPARED TO STOP SIGN

W3-4 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



SPEED REDUCTION 48 x 48 16.00 SF

COLOR: BORDER AND ARROW: BLACK (NON-REFLECTOR I ZED)

W3-5

BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED) BLACK (NON-REFLECTORIZED)

BLACK BORDER AND TEXT ON WHITE BACKGROUND (REFLECTORIZED)



LEFT LANE ENDS

W4-2(L) 48 x 48 16.00 SF

COLOR: SYMBOL AND BORDER: BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



RIGHT LANE ENDS

W4-2(R) 48 x 48 16.00 SF

COLOR: SYMBOL AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



ROAD NARROWS

W5-1 48 x 48 16.00 SF

COLOR: SYMBOL AND BORDER: BLACK (NON-REFLECTOR (ZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)

COLOR: SYMBOL AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND:

NARRO BRIDGE

NARROW BRIDGE

16.00 SF W5-2 48 x 48

FLUORESCENT ORANGE (REFLECTORIZED)

WORD SIGNS MAY BE USED IF SYMBOL SIGNS ARE NOT AVAILABLE EITHER IN "STANDARD HIGHWAY SIGNS MANUAL" OR IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) (CURRENT EDITION).

DESCRIPTION REVISIONS DATE CHANGE DESIGN NUMBER 07/19/10

ALL DIAMOND SHAPE CONSTRUCTION WARNING SIGNS SHALLBE 48 INCHES X 48 INCHES UNLESS OTHERWISE NOTED IN THE PLANS.

SUPPLEMENTAL SIGNS SHALL ONLY BE USED IN CONJUCTION WITH DIAMOND SHAPE CONSTRUCTION WARNING SIGNS , THE SIZE OF SUPPLEMENTAL SIGNS SHALL BE APPROPRIATE FOR USE WITH A 48 INCH x 48 INCH WARNING SIGN UNLESS OTHERWISE NOTED IN THE PLANS.



ONE LANE BRIDGE

W5-3 48 x 48 16.00 SF

COLOR: SYMBOL AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED) FLUORESCENT ORANGE (REFLECTORIZED)



DIVIDED HIGHWAY

W6-1 48 × 48 16.00 SF

SYMBOL AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND:



DIVIDED HIGHWAY

48 x 48 16.00 SF

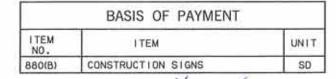
SYMBOL AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



TWO WAY TRAFFIC SIGN

W6-3 48 x 48 16.00 SF

SYMBOL AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



JULAN DATE 8/6/10 TRAFFIC STANDARD

TRAFFIC CONTROL STANDARD CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS11-1

01



ROAD WORK SIGN

W20-1 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTOR (ZED) BACKGROUND:



DETOUR SIGN

W20-2 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED) FLUORESCENT ORANGE (REFLECTORIZED)



ROAD CLOSED SIGN

W20-3 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



STREET CLOSED SIGN

W20-3A 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



ONE LANE ROAD SIGN

48 x 48 16.00 SF W20-4 COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



LEFT LANE CLOSED SIGN

W20-5(L) 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND:

FLUORESCENT ORANGE (REFLECTORIZED)



RIGHT LANE CLOSED SIGN

W20-5(R) 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



FLAGGER SIGN

W20-7 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND:



FLAGGER SIGN

W20-7a 48 x 48 16.00 SF COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED) FLUORESCENT ORANGE (REFLECTORIZED)



WORKERS SIGN

48 x 48 16.00 SF W21-1

COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTOR I ZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)



FRESH OIL SIGN

W21-2 48 x 48 16.00 SF

COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND:



ROAD MACHINERY AHEAD SIGN

48 x 48 16.00 SF W21-3

COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT DRANGE (REFLECTORIZED) FLUORESCENT DRANGE (REFLECTORIZED) NOTES:

WORD SIGNS MAY BE USED IF SYMBOL SIGNS ARE NOT AVAILABLE EITHER IN "STANDARD HIGHWAY SIGNS MANUAL" OR IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) (CURRENT EDITION).

ALL DIAMOND SHAPE CONSTRUCTION WARNING SIGNS SHALL BE 48 INCHES X 48 INCHES UNLESS OTHERWISE NOTED IN THE PLANS,

* SUPPLEMENTAL SIGNS SHALL ONLY BE USED IN CONJUCTION WITH DIAMOND SHAPE CONSTRUCTION WARNING SIGNS, THE SIZE OF SUPPLEMENTAL SIGNS SHALL BE APPROPRIATE FOR USE WITH A 48 INCH x 48 INCH WARNING SIGN UNLESS OTHERWISE NOTED IN THE PLANS.

BASIS OF PAYMENT 1 TEM UNIT ITEM CONSTRUCTION SIGNS 880(B) SD

TRAFFIC STANDARD

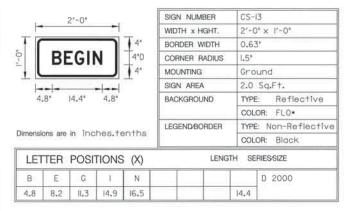
TRAFFIC CONTROL STANDARD CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS14-1

00





SIGN NUMBER

WIDTH x HGHT.

BORDER WIDTH

CORNER RADIUS

MOUNTING

SIGN AREA

BACKGROUND

LEGEND/BORDER

CS-14

3.0 Sq.Ft.

COLOR: FLO*

COLOR: Black

D 2000

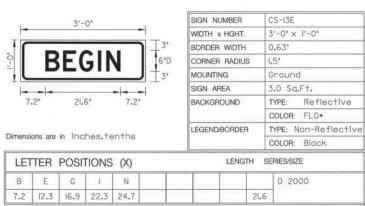
D 2000

LENGTH SERIES/SIZE

13.2

TYPE: Reflective

TYPE: Non-Reflective



SIGN NUMBER

WIDTH x HGHT.

BORDER WIDTH

CORNER RADIUS

MOUNTING

SIGN AREA

BACKGROUND

LEGEND/BORDER

CS-I4E

1.5*

LENGTH SERIES/SIZE

21

19.8

6.0 Sq.Ft.

COLOR: FLO.

COLOR: Black

D 2000

D 2000

TYPE: Reflective

TYPE: Non-Reflective

3'-0"

WORK

7.5" 21"

W O R K

7.5 | 13.6 | 19.2 | 24.3

Z O N E

8.1 13.1 18.7 24.2

Dimensions are in Inches.tenths

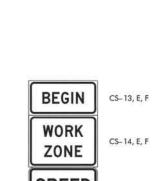
LETTER POSITIONS (X)



4'-0"

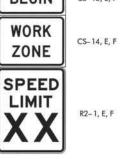
SIGN NUMBER

CS-I3F

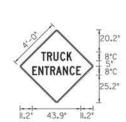


CONSTRUCTION BEGIN WORK ZONE SPEED LIMIT

FLO. = FLUORESCENT ORANGE



					7*	SIGN NU	MBER	CS	5-14F	
	M	In	R	V	8*E	WIDTH x	HGHT.	4'	-0" x	3'-0"
ı	V		חי	N	10 E	BORDER	WIDTH	0.	63*	
Т					6,	CORNER	RADIUS	1.5	in .	
L	7	70	N	F	8*E	MOUNTIN	IG	Gr	oun	d
L		- 0		_	1	SIGN AR	EA	12.	.0 Sc	ą.Ft.
L					7°	BACKGRO	DUND	TY	PE:	Reflective
	1			- 1				CC	OLOR:	FLO*
17	EEV	2	2.01	7	EE			100	2011	1 20
	55'	15,250	2.9*		.55*	LEGENDA	BORDER	-		Non-Reflectiv
	22/12/07/	15,250	2.9" hes.ter		.55*	LEGENDA	BORDER	TY	PE: N	
nensi	ons are	in Inc	7.7.8	nths	.55	LEGENDA	BORDER	TY	PE: N	Non-Reflectiv Black
nensi	ons are	in Inc	hes.ter	nths	.55*	LEGENDA		TY	PE: N	Non-Reflectiv Black IZE
LE W	ons are	in Inc	hes.ter	nths	.55*	LEGENDA	LENGTH	TY	PE: NOLOR:	Non-Reflectiv Black IZE
nensi LE	TTER	POS	ITIONS	nths	55*	LEGENDA	LENGTH	TY CC	PE: NOLOR:	Non-Reflectiv Black IZE



2'-0"

WORK

ZONE

Dimensions are in Inches.tenths

W O R K

5 9.1 12.8 16.2

Z O N E

5.4 8.7 12.5 16.1

Dimensions are in

LETTER POSITIONS (X)

20.2*	SIGN NUMBER	CS-15			
	WIDTH x HGHT	4'-0" x 4'-0"			
JCK 18°C	BORDER WIDTH	0.75*			
ANCE Asc	CORNER RADIUS	1.38*			
25.2"	MOUNTING	Ground			
/	SIGN AREA	16.0 Sq.Ft.			
.9" .2"	BACKGROUND	TYPE: Reflective			
200 PM		COLOR: Yellow			
Inches.tenths	LEGEND/BORDER	TYPE: Reflective			
inches.Tenths		COLOR: Black			
R POSITIONS (X) LENGT	TH SERIES/SIZE			
C K		C 2000			

	3	LETTE	R PC	OSITIC	NS (X)		LENGTH	SE	RIES/SIZE
Т	R	U	С	К						C 2000
9.3	24,5	30.4	36.5	42.5				2	7.7	
E	N	I	R	Α	N	С	Ε			C 2000
1.2	16.7	22.3	27.5	32.7	38.9	45	51,1	4.	3.9	

BASIS OF PAYMENT UNIT 880(B) CONSTRUCTION SIGNS SD

> APPROVED BY
> TRAFFIC ENGINEER: TRAFFIC STANDARD

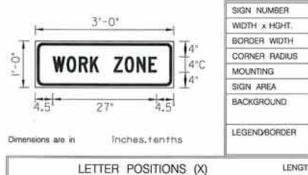
TRAFFIC CONTROL STANDARD CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS19-1 01

T-519

DATE:3/21/11



SIGN NUMBER	CS-16					
WIDTH x HGHT.	3'-0' x 1'-0'					
BORDER WIDTH	0.63'					
CORNER RADIUS	1,5"					
MOUNTING	Ground					
SIGN AREA	3.0 Sq.Ft.					
BACKGROUND	TYPE: Reflective					
	COLOR: Orange					
LEGEND/BORDER	TYPE: Non-Reflective					
	COLOR: Block					

27

T				costs ex-		4'			COF	NER R	ADIUS	1.5"	
1,-0	FI	NFS	no	UBL	F 1	4'8			MOU	INTING		Gro	und
-	L'''	1120	20	UDL		4'			SIGN	AREA	V:	3.0	Sq.Ft.
-					Las	10.			BAC	KGROU	IND	TYPE	: Reflective
	4.4	- 5	27.2*		4.4							COL	OR: White
C.		i.	200	Land.	Jin.				LEG	END/BC	DADER	TYPE	Non-Reflective
Dimensi	ons are	in	Inc	hes.te	mma							COL	OR: Black
			LET	TER F	POSIT	IONS	(X)	,			LENG	TH SE	RIESSIZE
F		N	E	S		D	0	,jj	8	L	E		B 2000
4.4	6.5	7.9	10.5	12.4	14,1	18.1	20.5	23.1	25.7	28	30,1	27.2	

SIGN NUMBER

WIDTH x HGHT.

BORDER WIDTH

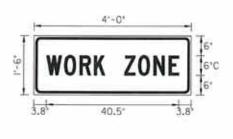
3'-0' x 1'-0"

0.63



SIGN NUMBER	CS-18				
WIDTH x HGHT.	30, × 1,-6,				
BORDER WIDTH	0.63*				
CORNER RADIUS	1,5*				
MOUNTING	Ground				
SIGN AREA	4.5 Sq.Ft.				
BACKGROUND	TYPE Reflective				
	COLOR: White				
LEGENDBORDER	TYPE Non-Reflective				
	COLOR: Black				

	LETTER POSITIONS (X)									LENGTH SERIESSIZE					
W	Н	E	N		W	0	R	К	E	R	S		8 2000		
3	6.1	8.7	10.9	12.6	16.6	19.6	22.2	24.6	27	29,1	31.3	30			
Α	R	E		Р	R	E	5	E	N	T			B 2000		
5.3	8	10.3	11.9	15.9	18.1	20.5	22.4	24.8	26.9	29.2		25.5			



inches.tenths

Dimensions are in

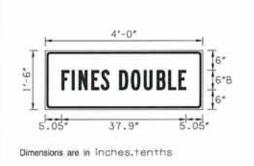
W 0 R K Z 0 N

4.5 8 11.2 14.1 16.3 20.3 23.2 26.3 29.5

SIGN NUMBER	CS-16E
WIDTH x HIGHT.	4'-0' x 1'-6"
BORDER WIDTH	0,63
CORNER RADIUS	1.5*
MOUNTING	Ground
SIGN AREA	6.0 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Orange
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

€ 2000

	W.H. I. HELL		0.000		71007776		COLOR: Black					
9	LETT	ER P	OSITIC	ONS	(X)				LENGT	4 SE	RIES/SIZE	
W	0	R	K		Z	0	N	E			C 2000	
3.8	9	13,8	18.2	21.5	27.5	31.8	36.5	41.2		40.5		



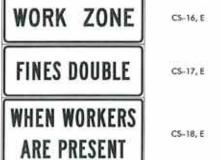
SIGN NUMBER	CS-I7E						
WIDTH x HGHT.	4'-0' x 1'-6'						
BORDER WIDTH	0.63*						
CORNER RADIUS	1,5*						
MOUNTING	Ground						
SIGN AREA	6.0 Sq.Ft.						
BACKGROUND	TYPE Reflective						
	COLOR: White						
LEGEND/BORDER	TYPE: Non-Reflective						
	COLOR: Black						

			LETTE	R PC	DSITIC	NS (X)				LENGTH	SERIES/SIZE
Ė.	1	N	E	5	D	0	IJ	В	L	Ē.		8 2000
5.1	8.2	10.3	14.2	17.1	22.7	26.2	30.1	34	37.5	40.7	37.9	



SIGN NUMBER	CS-I8E					
WIDTH x HGHT.	4'-0" x 2'-0"					
BORDER WIDTH	0.63*					
CORNER RADIUS	1.13"					
MOUNTING	Ground					
SIGN AREA	8.0 Sq.Ft.					
BACKGROUND	TYPE: Reflective					
	COLOR: White					
LEGENDBORDER	TYPE: Non-Reflective					
	COLOR: Black					

LETTER POSITIONS (X)									LENGTH SERIESSIZE			
W	Н	E	N	W	0	R	К	E	R	S		B 2000
3	7.7	11.6	14.9	20.4	24.9	28.8	32.4	36	39.2	42.4	41.9	
Δ	R	E	P	R	E	S	E	N	Ţ			B 2000
6,4	10.5	14	19.3	22.7	26.3	29.1	32.7	35.9	39.3		35.2	



CONSTRUCTION FINES DOUBLE ASSEMBLY

BASIS OF PAYMENT ITEM UNIT ITEM NO.

CONSTRUCTION SIGNS

APPROVED BY TRAFFIC ENGINEER DATE 6/23/10

TRAFFIC STANDARD

TRAFFIC CONTROL STANDARD CONSTRUCTION SIGNS

2009 SPECIFICATIONS

880(B)

TCS20-1

SD