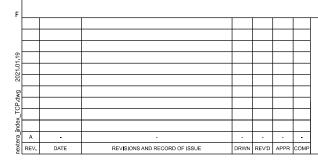


**Appendix L: Traffic Control Plan** 

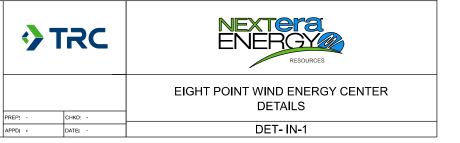
DRAWING NO.	DESCRIPTION	EFFECTIVE DATE	ROAD CROSSING	ROUTE NO.	POSTED SPEED LIMIT
IN-1	INDEX				
619-10	WORK ZONE TRAFFIC CONTROL GENERAL NOTES	01/08/09			
619-11	WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES	01/08/09			
619-12	SIGN TABLE (SHEET 1 OF 2)	05/03/12			
619-12	SIGN TABLE (SHEET 2 OF 2)	01/01/21			
619-20	SHOULDER CLOSURE 2-LANE 2-WAY ROADWAY	01/07/10			
619-60	FLAGGING OPERATION 2-LANE 2-WAY ROADWAY	01/07/10			
TC301	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		PEASE ROAD	-	
TC302	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		RIDGE ROAD	CR61	
TC303	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		RIDGE ROAD	CR61	
TC304	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		RIDGE ROAD	CR61	
TC305	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		RIDGE ROAD	CR61	
TC306	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		FLYNN ROAD	-	
TC307	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		FLYNN ROAD	-	
TC308	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		TOWN LINE ROAD	-	
TC309	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		TOWN LINE ROAD	-	
TC310	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		KING HILL ROAD	-	
TC311	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		CEMETERY HILL ROAD	-	
TC312	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		MAHONEY ROAD	-	
TC313	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		IRISH HILL ROAD	-	
TC314	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		McDONALD ROAD	-	
TC315	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		COLEMAN ROAD	-	
TC316	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		REXVILLE/RILEYVILLE ROAD	CR98	
TC317	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		FROST ROAD	-	
TC318	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		REXVILLE/RILEYVILLE ROAD	CR98	
TC319	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		DOWNEY ROAD	-	
TC320	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		SAUNDERS ROAD	-	
TC321	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		DOWNEY ROAD	-	
TC322	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		DOWNEY ROAD	-	
TC323	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		LEWIS ROAD	-	
TC324	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		KING HILL ROAD	-	
TC325	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		KING HILL ROAD	-	
TC326	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		KING HILL ROAD	-	
TC327	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		KELLY ROAD	-	
TC328	TRAFFIC MANAGEMENT PLAN - SHOULDER CLOSURE		SQUAB HOLLOW ROAD	CR84	

DRAWING NO.	DESCRIPTION	EFFECTIVE DATE	ROAD CROSSING	ROUTE NO.	POSTED SPEED LIMIT
TC401	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		PEASE ROAD	-	
TC402	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		RIDGE ROAD	CR61	
TC403	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		RIDGE ROAD	CR61	
TC404	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	<u> </u>	RIDGE ROAD	CR61	
TC405	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	<u> </u>	RIDGE ROAD	CR61	
TC406	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		FLYNN ROAD	-	
TC407	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		FLYNN ROAD		
TC408	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	<u> </u>	TOWN LINE ROAD		
TC409	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		TOWN LINE ROAD	-	
TC410	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		KING HILL ROAD	<u>-                                      </u>	
TC411	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	<u> </u>	CEMETERY HILL ROAD	<u>-</u> '	
TC412	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	<u> </u>	MAHONEY ROAD	-	
TC413	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		IRISH HILL ROAD	<u>-</u> '	
TC414	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	'	McDONALD ROAD	<u>-</u> '	
TC415	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		COLEMAN ROAD	<u>-</u>	
TC416	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		DOWNEY ROAD	CR98	
TC417	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		FROST ROAD	<u>-</u> '	
TC418	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		REXVILLE/RILEYVILLE ROAD	CR98	
TC419	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		DOWNEY ROAD		
TC420	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		SAUNDERS ROAD		
TC421	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		DOWNEY ROAD	-	
TC422	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		DOWNEY ROAD		
TC423	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		LEWIS ROAD	<u>-</u>	
TC424	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		KING HILL ROAD	-	
TC425	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	!	KING HILL ROAD	, <del></del> -!	
TC426	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	<u> </u>	KING HILL ROAD	<u>-</u>	
TC427	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION	<u> </u>	KELLY ROAD	<u> </u>	
TC428	TRAFFIC MANAGEMENT PLAN - FLAGGING OPERATION		SQUAB HOLLOW ROAD	CR84	
		,		,	



PRELIMINARY NOT FOR CONSTRUCTION

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



- THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCO, REFLECT THE MINIMUM REQUIREMENTS.
- 2. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE SCOPE OF THE TRAFFIC CONTROL PLAN. SUCH CHANGES IN SCOPE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE THIRTY (30) WORKING DAYS DEPORT THE PROPERTY OF THIS PLENTATION OF SICH DEVISIONS. PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
- 3. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.

- 1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 500' LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 2. WHEN TWO OR MORE AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

- THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
- 2. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS
- 3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
- 4. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF MULTI-LANE DIVIDED HIGHWAYS, MULTI-LANE RAMPS, AND ONE-WAY STREETS. IN CASES WHERE LANE RESTRICTIONS REDUCE THE TRAVEL LANE TO ONE LANE, SIGNS SHALL BE POSTED ON THE RIGHT SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE
- SIGNS MOUNTED ON THE MEDIAN OF DIVIDED HIGHWAYS WHERE MEDIAN BARRIER IS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SADDLE TYPE BRACKET, LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
- 6. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD.
  ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE REGIONAL DIRECTOR OR BY
- 7. NYR9-12 MAY BE USED IN PLACE OF NYR9-11.

## CHANNELIZING DEVICES

1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.

- PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY, FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.
- SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.

- THE CONTRACTOR SHALL LOCATE LANE CLOSURES TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.
- 2. THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.

- UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11'. THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE OF PERFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY, SO THAT THE ENGINEER MAY NOTIFY THE REGIONAL PERMIT ENGINEER IN A TIMELY MANNER.

## BARRIER/SHADOW VEHICLES

- BARRIER AND SHADOW VEHICLES SHALL BE REQUIRED AS PER STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
- NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE BARRIER OR SHADOW VEHICLE AND THE ACTIVE WORK AREA (ROLL AHEAD DISTANCE).
- 3. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE A BARRIER VEHICLE IN CONJUNCTION WITH POLICE PRESENCE IN THE WORK ZONE, TO BE INCLUDED IN THE UNIT BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL.



STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL GENERAL NOTES

APPROVED SEPTEMBER 18, 2008

ISSUED UNDER EB 08-036

/S/ DAVID J. CLEMENTS, P.E. DIRECTOR, OFFICE OF TRAFFIC SAFETY AND MOBILITY

619-10

## TABLE NY1-A BARRIER VEHICLE USE REQUIREMENTS (LONG TERM, INTERMEDIATE TERM, AND SHORT TERM STATIONARY CLOSURES)

		USE REQUIREMENTS 4,5					
CLOSURE TYPE	EXPOSURE CONDITION 1	FREEWAY	NON-FREEWAY (PRECONSTRUCTION POSTED SPEED LIMIT)				
		FREEWAI	≥ 45 MPH	35-40 MPH	≤ 30 MPH		
	WORKERS ON FOOT OR IN VEHICLES EXPOSED TO TRAFFIC	REQUIRED <sup>3</sup>	REQUIRED <sup>3</sup>	REQUIRED <sup>3</sup>	OPTIONAL <sup>2</sup>		
LANE CLOSURE	NON-TRAVERSABLE HAZARD (IE. EQUIPMENT, MATERIALS, EXCAVATION) ONLY NO WORKERS EXPOSED	REQUIRED <sup>3</sup>	REQUIRED <sup>3</sup>	OPTIONAL <sup>2</sup>	OPTIONAL <sup>2</sup>		
CHAIR BED, OLOCUPE	WORKERS ON FOOT OR IN VEHICLES EXPOSED TO TRAFFIC	REQUIRED <sup>3</sup>	REQUIRED <sup>3</sup>	OPTIONAL <sup>2</sup>	OPTIONAL <sup>2</sup>		
SHOULDER CLOSURE	NON-TRAVERSABLE HAZARD (IE. EQUIPMENT, MATERIALS, EXCAVATION) ONLY NO WORKERS EXPOSED	REQUIRED <sup>3</sup>	OPTIONAL <sup>2</sup>	OPTIONAL <sup>2</sup>	OPTIONAL <sup>2</sup>		

- THE EXPOSURE CONDITIONS DESCRIBED IN TABLE NY1-A ASSUMES THERE IS NO POSITIVE PROTECTION (TEMPORARY TRAFFIC BARRIER) PRESENT. WHERE WORKERS OR HAZARDS ARE PROTECTED BY A TEMPORARY TRAFFIC BARRIER, BARRIER VEHICLES ARE NOT REQUIRED.
- 2. WHERE THE REQUIREMENT IS "OPTIONAL", EITHER A BARRIER VEHICLE OR THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.
- REQUIREMENTS SHALL INCLUDE PROVIDING A SEPARATE BARRIER VEHICLE FOR EACH CLOSED LANE AND EACH CLOSED PAVED SHOULDER 8' OR GREATER IN WIDTH. IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE BARRIER VEHICLE SHALL BE REPOSITIONED ACCORDINGLY. BARRIER VEHICLES PROTECTING NON-TRANSVERSABLE HAZARDS SHALL REMAIN IN PLACE DURING BOTH WORKING AND NON-WORKING HOURS UNTIL THE HAZARD NO LONGER EXISTS. EXCEPTIONS TO THESE REQUIREMENTS MAY BE MADE, AS APPROVED BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE WHERE BARRIER VEHICLE PLACEMENT WOULD BE INEFFECTIVE OR WOULD INTERFERE WITH THE SAFE
- BARRIER VEHICLES ARE NOT REQUIRED FOR MILLING AND/OR PAVING OPERATIONS, BUT THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.
- BARRIER VEHICLES ARE NOT REQUIRED FOR FLAGGING OPERATIONS, BUT THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE6C-2) SHALL BE PROVIDED.

## TABLE NY1-B SHADOW VEHICLE USE REQUIREMENTS

(MOBILE CLOSURES)									
		USE REQUIREMENTS							
CLOSURE TYPE	EXPOSURE CONDITION	FREEWAY	NON-FREEWAY (PRECONSTRU		SPEED LIMIT)				
	FKI		≥ 45 MPH	35-40 MPH	≤ 30 MPH				
LANE CLOSURE	WHEN ANY WORKER, VEHICLE, OR OTHER HAZARD IS EXPOSED TO TRAFFIC	REQUIRED <sup>2,4</sup>	REQUIRED <sup>2,4</sup>	REQUIRED <sup>2,4</sup>	REQUIRED <sup>2,4</sup>				
SHOULDER CLOSURE	WHEN ANY WORKER, VEHICLE, OR OTHER HAZARD IS EXPOSED TO TRAFFIC	REQUIRED <sup>2,4</sup>	REQUIRED <sup>2,4</sup>	REQUIRED <sup>2,4</sup>	REQUIRED <sup>2,4</sup>				

- 1. A MOBILE CLOSURE SHALL BE USED FOR ANY WORK ACTIVITY THAT MOVES CONTINUOUSLY OR INTERMITTENTLY ALONG THE TRAVELED WAY OR SHOULDER SLOWER THAN THE PREVAILING SPEED OF TRAFFIC. CHANNELIZING DEVICES ARE NOT USED FOR MOBILE CLOSURES.
- 2. SHADOW VEHICLES SHALL BE EQUIPPED WITH AN APPROVED REAR MOUNTED ATTENUATOR (TRUCK MOUNTED OR TRAILER MOUNTED) FOR THE FOLLOWING MOBILE CLOSURES: LANE CLOSURES ON FREEWAYS, LANE CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION POSTED SPEED LIMIT OF 35 MPH OR MORE, SHOULDER CLOSURES ON FREEWAYS, AND SHOULDER CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE.
- 3. FOR MOBILE LANE CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION POSTED SPEED LIMIT OF 30 MPH OR LESS AND MOBILE SHOULDER CLOSURES ON NON-FREEWAY ROADWAYS HAVING A PRE-CONSTRUCTION SPEED LIMIT OF 40 MPH OR LESS, SHADOW VEHICLES ARE NOT REQUIRED TO BE EQUIPPED WITH A REAR MOUNTED
- 4. A SHADOW VEHICLE IS USED TO PROTECT EXPOSED WORKERS (ON FOOT OR IN A VEHICLE) AND SHALL BE REQUIRED A SHADOW VEHICLE IS USED TO PROTECT EXPOSED WORKERS TON FOOT OR IN A VEHICLE AND SHALL BE REQUIRED.

  FOR ALL MOBILE CLOSURES. SHADOW VEHICLE REQUIREMENTS SHALL INCLUDE PROVIDING A SEPARATE SHADOW VEHICLE FOR EACH CLOSED LANE AND EACH CLOSED PAVED SHOULDER 8' OR GREATER IN WIDTH. ADDITIONAL SHADOW VEHICLES MAY BE REQUIRED TO PROMOTE THE SAFE OPERATION OF TRAFFIC AND THE INCREASED PROTECTION OF EXPOSED WORKERS, AS DIRECTED BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE.

## TABLE 6H-4 FORMULAS FOR DETERMINING TAPER LENGTHS

SPEED LIMIT (S) (MPH)	TAPER LENGTH (L) (FT.)	L - TARER LENCTH
(40 MPH) OR LESS	L = WS <sup>2</sup> /60	L = TAPER LENGTH W = WIDTH OF OFFSET (FT.) S = PRECONSTRUCTION POSTED SPEED LIMIT (MPH
(45 MPH) OR MORE	L = WS	

## STANDARD TAPER LENGTHS

LATERAL SHIFT OF TRAFFIC		TEMPORARY TRAFFIC CONTROL ZONE POSTED SPEED LIMIT									
FLOW PATH	(25 MPH)	(30 MPH)	(35 MPH)	(40 MPH)	(45 MPH)	(50 MPH)	(55 MPH)	(60 MPH)	(65 MPH)	(70 MPH)	
4	45	60	85	110	180	200	220	240	260	280	
5	55	75	105	135	225	250	275	300	325	350	
6	65	90	125	160	270	300	330	360	390	420	
7	75	105	145	190	315	350	385	420	455	490	
8	85	120	165	215	360	400	440	480	520	560	
9	95	135	185	240	405	450	495	540	585	630	
10	105	150	205	270	450	500	550	600	650	700	
11	115	165	225	295	495	550	605	660	715	770	
12	125	180	245	320	540	600	660	720	780	840	

TABLE 6C-2 LONGITUDINAL BUFFER SPACE

TABLE NY2-A
PLACEMENT DISTANCE FOR BARRIER VEHICLES

100 FT. 200 FT. 85 FT. 85 FT. 165 FT. 50 FT.

(18000 LBS.)

BARRIER VEHICLE - VEHICLE USED FOR STATIONARY SHOULDER CLOSURES, LANE CLOSURES, AND OTHER STATIONARY WORK ZONES.

TABLE NY2-B

PLACEMENT DISTANCE FOR SHADOW VEHICLES

(18000 LBS.)

SHADOW VEHICLE - VEHICLE USED FOR MOBILE OR SHORT DURATION

MINIMUM DISTANCE SHOWN REFLECTS THE ACTUAL ROLL AHEAD

\* AS DEFINED IN NYSDOT STANDARD SPECIFICATION 619:

MINIMUM DISTANCE SHOWN REFLECTS THE ACTUAL ROLL AHEAD DISTANCE FROM MANUFACTURER.

• AS DEFINED IN NYSDOT STANDARD SPECIFICATION 619:

DISTANCE

PLACEMENT DISTANCE (FT.)

MINIMUM MAXIMUM MINIMUM MAXIMUM

100 FT. | 200 FT. | 100 FT. | 200 FT.

PLACEMENT DISTANCE (FT.)

SHADOW VEHICLES\*\*

MINIMUM MAXIMUM MINIMUM MAXIMUM

230 FT. 330 FT. 180 FT. 280 FT.

180 FT. 280 FT. 150 FT. 250 FT.

100 FT. 200 FT. 100 FT. 200 FT.

(24000 LBS.)

165 FT.

100 FT.

BARRIER VEHICLES\*

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)

PRECONSTRUCTION

SPEED LIMIT

> 55

< 45

45 - 55

PRECONSTRUCTION

> 55

< 45

DISTANCE FROM MANUFACTURER.

POSTED SPEED LIMIT

## TAPER LENGTH FOR TEMPORARY TRAFFIC CONTROL ZONES

TYPE OF TAPER	TAPER LENGTH (L)
MERGING TAPER	L
SHIFTING TAPER	L/2
SHOULDER TAPER	L/3
ONE-LANE, TWO-WAY TRAFFIC TAPER	100 FT. MAXIMUM
DOWNSTREAM TAPER	100 FT. PER LANE

	POSTED SPEED LIMIT					
TYPE OF POSITIVE BARRIER	30 MPH	40 MPH	50 MPH	55 MPH	65 MPH	
TEMPORARY CONCRETE BARRIER	8:1	11:1	14:1	16:1	20:1	
BOX BEAM OR HEAVY POST CORRUGATED BEAM	7:1	9:1	11:1	12:1	15:1	

## TABLE NY6H-3 ADVANCE WARNING SIGN SPACING

ADVANCE WANTED STON SI ACTIVO								
	DISTANC	DISTANCE BETWEEN SIGNS   SIGN LEGEND						
ROAD TYPE	A (FT.)	B (FT.)	C (FT.)	XX	YY			
URBAN (≤ 30 MPH*)	100	100	100	AHEAD	AHEAD			
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD			
URBAN (≥ 45 MPH*)	350	350	350	1000 FT.	AHEAD			
RURAL	500	500	500	1500 FT.	1000 FT.			
EXPRESSWAY / FREEWAY	1000	1500	2640	1 MILE	1/2 MILE			

\* PRECONSTRUCTION POSTED SPEED LIMIT

URBAN: (MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA) SIDEWALKS, BICYCLE USAGE, CURBING, CLOSED DRAINAGE SYSTEMS, DRIVEWAY DENSITIES GREATER THAN 24 DRIVEWAYS PER MILE, MINOR COMMERCIAL DRIVEWAY DENSITIES OF 10 DRIVEWAYS PER MILE OR GREATER, MAJOR COMMERCIAL DRIVEWAYS, NUMEROUS RIGHT OF WAY CONSTRAINTS, HIGH DENSITY OF CROSS STREETS, 85TH PERCENTILE

RURAL: ANY AREA NOT EXHIBITING MORE THAN ONE OF THE ABOVE

EXPRESSWAY: DIVIDED HIGHWAYS FOR TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS.

FREEWAYS/INTERSTATE: LOCAL OR INTER REGIONAL HIGH-SPEED, DIVIDED, HIGH-VOLUME FACILITIES WITH FULL OR PARTIAL CONTROL OF ACCESS.

## TABLE 619-4 FLARE RATES FOR POSITIVE BARRIER

	POSTED SPEED LIMIT					
TYPE OF POSITIVE BARRIER	30 MPH	40 MPH	50 MPH	55 MPH	65 MPH	
TEMPORARY CONCRETE BARRIER	8:1	11:1	14:1	16:1	20:1	
BOX BEAM OR HEAVY POST CORRUGATED BEAM	7:1	9:1	11:1	12:1	15:1	
	TEMPORARY CONCRETE BARRIER	TYPE OF POSITIVE BARRIER 30 MPH TEMPORARY CONCRETE BARRIER 8:1	TYPE OF POSITIVE BARRIER         30   40   40   40   40   40   40   40	TYPE OF POSITIVE BARRIER         30   40   50   50   60   60   60   60   60   6	TYPE OF POSITIVE BARRIER         30   40   50   55   MPH   MPH	

CHARACTERISTICS.

## **WORK DURATION DEFINITIONS**

LONG-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.

INTERMEDIATE-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTIME WORK LASTING MORE THAN 1 HOUR.

SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.

SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.

ARROW PANEL TRAILER OR SUPPORT 999  $\vdash$ CHANGEABLE MESSAGE SIGN (PVMS) CHANNELIZING DEVICE CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR DIRECTION OF TEMPORARY TRAFFIC DETOUR  $\Rightarrow$ DIRECTION OF TRAFFIC FLAGGER FLAG TREE PAVEMENT MARKINGS THAT SHALL BE ///// REMOVED FOR A LONG TERM PROJECT SIGN, TEMPORARY TEMPORARY BARRIER -TEMPORARY BARRIER WITH WARNING LIGHTS  $\bigcirc$ TRAFFIC OR PEDESTRIAN SIGNAL TYPE III BARRICADE മ WARNING LIGHTS WORK SPACE

WORK ZONE TRAFFIC CONTROL LEGEND

ARROW PANEL, CAUTION MODE

ARROW PANEL

DESCRIPTION

SYMBOL

•••••

MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION

WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES

APPROVED SEPTEMBER 18, 2008

WORK VEHICLE

/S/ DAVID J. CLEMENTS, P.E. DIRECTOR, OFFICE OF TRAFFIC SAFETY AND MOBILITY 619-11

ISSUED UNDER EB 08-036

WORK ZONE TRAFFIC CONTROL SIGN TABLE								
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	FREEWAY			
STATE LAW LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS	NYR9-11	В	24"X42"	48"X84"	48"X84"			
STATE LAW FINES DOUBLED FOR SPEEDING IN WORK ZONES	NYR9-12	В	24"X36"	36"X54"	48"X72"			
RUMBLE STRIPS	NYW4-17	A	36"X36"	48"X48"	48"X48"			
WET PAINT	NYW8-30	Α	48"X24"	48"X24"	48"X24"			
STAY IN LANE	NYW8-31	A	48"X24"	48"X24"	48"X24"			
DO NOT PASS	NYW8-32	Α	48"X24"	48"X24"	48"X24"			
LANE CLOSED	NYW8-33	Α	48"X24"	48"X24"	48"X24"			
STOP	R1-1	D	36"X36"	36"X36"	48"X48"			
YELD	R1-2	E	36"X36"X36"	48"X48"X48"	60"X60"X60"			
SPEED LIMIT XX	R2-1	В	24"X30" OR 30"X36" (SEE NOTE 5)	36"X48"	36"X48"			
END Higher Fines Zone	R2-11	В	24"X30"	36"X48"	36"X48"			
END WORK ZONE SPEED LIMIT	R2-12	В	24"X36"	36"X54"	36"X54"			
DO NOT PASS	R4-1	В	24"X30"	36"X48"	36"X48"			
VA	R4-7	В	24"X30"	36"X48"	36"X48"			
7	R4-7c Narrow	В	18"X30"					
₹V	R4-8	В	24"X30"	36"X48"	36"X48"			
	R4-8c Narrow	В	18"X30"					
STAY IN LANE	R4-9	В	24"X30"	36"X48"	36"X48"			
DO NOT ENTER	R5-1	E	36"X36"	36"X36"	48"X48"			
PEDESTRIAN CROSSWALK	R9-8	В	36"X18"	36"X18"				
SIDEWALK CLOSED	R9-9	В	24"X12"	24"X12"				
SIDEWALK CLOSED USE OTHER SIDE USE OTHER SIDE	R9-10L R9-10R	В	24"X12"	24"X12"				
SIDEWALK CLOSED AHEAD CROSS HERE SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L R9-11R	В	24"X18"	24"X18"				
CROSS HERE  SIDEWALK CLOSED CROSS HERE	R9-11 aL R9-11 aR	В	24"X12"	24"X12"				
STOP HERE ON RED	R10-6	В	24"X36"	24"X36"				
ROAD CLOSED	R11-2	В	48"X30"	48"X30"	48"X30"			

	WORK ZONE	TRAFF	IC CONTROL S	IGN TABLE		
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	FREEWAY	
ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY	R11-3a	В	60"X30"	60"X30"		
<b>S</b>	W1-4L W1-4R	A	36"X36"	48"X48"	48"X48"	
(1) (1)	W1-4bL W1-4bR	A	36"X36"	48"X48"	48"X48"	
111	W1-4cL W1-4cR	A	36"X36"	48"X48"	48"X48"	
<b>—</b>	W1-6L	A	40111/0.411	CONVIOU	COUNTOU	
<b></b>	W1-6R	A	48"X24"	60"X30"	60"X30"	
	W1-8L	A (NO BORDER)				
<b>&gt;</b>	W1-8R	A (NO BORDER)	18"X24"	30"X36"	30"X36"	
	W3-1	A <sup>4</sup>	36"X36"	48"X48"	48"X48"	
	W3-2	A <sup>4</sup>	36"X36"	48"X48"	48"X48"	
	W3-3	A <sup>4</sup>	36"X36"	48"X48"	48"X48"	
BE PREPARED TO STOP	W3-4	A	36"X36"	48"X48"	48"X48"	
	W3-5	a <sup>4</sup>	36"X36"	48"X48"	48"X48"	
<b>1</b>	W4-1L W4-1R	A	36"X36"	48"X48 <b>"</b>	48"X48"	
	W4-2L W4-2R	A	36"X36"	48"X48"	48"X48"	

ROADWAY DEFINITIONS:

CONVENTIONAL ROAD - A STREET OR HIGHWAY OTHER THAN A FREEWAY, OR EXPRESSWAY.

EXPRESSWAY - A DIVIDED HIGHWAY WITH PARTIAL CONTROL

FREEWAY - A DIVIDED HIGHWAY WITH FULL CONTROL OF ACCESS.

COLOR CODE LEGEND		
CODE	DESCRIPTION	
A	BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND	
В	BLACK LEGEND AND BORDER ON A WHITE BACKGROUND	
С	WHITE LEGEND AND BORDER ON A GREEN BACKGROUND	
D	WHITE LEGEND AND BORDER ON A RED BACKGROUND	
E	RED LEGEND AND BORDER ON A WHITE BACKGROUND	
F	BLACK LEGEND AND BORDER ON A FLOURESCENT YELLOW GREEN BACKGROUND	
G	WHITE LEGEND AND BORDER ON A BLUE AND RED BACKGROUND	

## NOTES:

- 1. DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
- 2. FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE M.U.T.C.D.
- COLORS FOR DIRECTION PLAQUES, ADVANCE TURN ARROWS, AND DIRECTIONAL ARROWS SHALL MATCH THE ROUTE OR INTERSTATE SIGN THAT THEY SUPPLEMENT AS PER THE M.U.T.C.D.
- 4. MULTICOLORED SYMBOL IMPOSED ON SIGN WITH BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND.
- 5. FOR R2-1 SIGN LARGER DIMENSIONS SHALL BE USED WHEN SIGN FACES MULTIPLE LANES ON A CONVENTIONAL ROAD.



## STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

SIGN TABLE (SHEET 1 OF 2)

APPROVED APRIL 1, 2012

ISSUED UNDER EB 12-010

/S/ TODD WESTHUIS, P.E.
DIRECTOR, OFFICE OF
TRAFFIC SAFETY AND MOBILITY

619-12

V	VORK ZONE TR	RAFFIC	CONTROL SIGN	I TABLE	
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	FREEWAY
ROAD	W5-1	A	36"X36"	48"X48"	48"X48"
RAMP	W5-4	A	36"X36"	48"X48"	48"X48"
(II)	W6-3	A	36"X36"	48"X48"	48"X48"
NEXT X MLES	W7-3aP	A	24"X18"	36"X30"	36"X30"
BUMP	W8-1	A	36"X36"	48"X48"	48"X48"
PAVEMENT	W8-3	A	36"X36"	48"X48"	48"X48"
LOOSE	W8-7	A	36"X36"	48"X48"	48"X48"
ROUGH	W8-8	A	36"X36"	48"X48"	48"X48"
LOW	W8-9	A	36"X36"	48"X48"	48"X48"
NO CENTER LINE	W8-12	A	36"X36"		
FALLEN	W8-14	A	36"X36"	48"X48"	48"X48"
GROOVED	W8-15	A	36"X36"	48"X48"	48"X48"
	W8-17	A	36"X36"	48"X48"	48"X48"
SHOULDER DROP-OFF	W8-17p	A	24"X18"	30"X24"	30"X24"
NO SHOULDER	W8-23	A	36"X36"	48"X48"	48"X48"
STEEL PLATE ON PAVEMENT	W8-24	A	36"X36"	48"X48"	48"X48"
CENTER LANE CLOSED AHE AD	W9-3	A	36"X36"	48"X48"	48"X48"
	W11-1L W11-1R	A OR F	36"X36"	36"X36"	
(A) (A)	W11-2L W11-2R	F	36"X36"	36"X36"	
(\$\frac{1}{1}\) (\$\frac{1}\) (\$\frac{1}\	W11-15L W11-15R	F	36"X36"	36"X36"	

<u> </u>			CONTROL SIGN	TABLE	Г
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	FREEWAY
XX	W13-1P	A	24"X24"	30"X30"	30"X30"
ON RAMP	W13-4P	A	36"X36"	36"X36"	36"X36"
NO PASSING ZONE	W14-3	A	48"X48"X36"		
SHARE THE ROAD	W16-1P	SEE NOTE 3 A OR F	18"X24"	24"X30"	
XXX FEET	W16-2P	A	24"X18"	30"X24"	
NEXT XXX FT	W16-4P	SEE NOTE 3 A OR F	30"X24"		
←→	W16-5PL W16-5PR	A	24"X18"		
<b>K</b>	W16-7PL W16-7PR	SEE NOTE 3 A OR F	24"X12"	30"X18"	
AHEAD	W16-9P	SEE NOTE 3 A OR F	24"X12"	30"X18"	
ROAD WORK AHEAD ROAD WORK XXX FT X MILE	W20-1	A	36"X36"	48"X48"	48"X48"
DETOUR AHEAD DETOUR XXX FT X MILE	W20-2	A	36"X36"	48"X48"	48"X48"
ROAD CLOSED AHEAD ROAD CLOSED X MILE	W20-3	A	36"X36"	48"X48"	48"X48"
ONE LANE ROAD ANEA ONE LANE ROAD XXX FT  X MILE	W20-4	A	36"X36"	48"X48"	48"X48"
LEFT LAWE CLOSED LANE CLOSED LOSED LOSED LANE CLOSED LOSED LANE CLOSED LOSED LANE CLOSED LOSED LAWE CLOSED LAWE CL	<b>W</b> 20-5	A	36"X36"	48"X48"	48"X48"
LEFT LAMES CLOSED VIXXX FT  RIGHT LAMES CLOSE	₩20-5a	A	36"X36"	48"X48"	48"X48"
	W20-7	A	36"X36"	48"X48"	48"X48"

<u> </u>	VORK ZONE TR	AFFIC	CONTROL SIGN	TABLE	
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	FREEWAY
	W21-1	A	36"X36"	48"X48"	48"X48"
SLOW MOVING VEHICLE	W21-4	A	36"X18"	48"X24"	48"X24"
SHOULDER	W21-5	A	36"X36"	48"X48"	48"X48"
LEFT RIGHT SHOULDER CLOSED CLOSED	W21-5aL W21-5aR	A	36"X36"	48"X48"	48"X48"
SHOULDER CLOSED XXX FT X MILE XXX FT X X MILE XX MILE	W21-5bL W21-5bR	A	36"X36"	48"X48"	48"X48"
MOWING AHEAD	W21-8	A	36"X36"	48"X48"	48"X48"
BLASTING ZONE AHEAD BLASTING ZONE DOO FT JZ MILE	W22-1	A	36"X36"	48"X48"	48"X48"
TURN OFF 2-WAY RADIO AND CELL PHONE	W22-2	A	42"X36"	42"X36"	42"X36"
END BLASTING ZONE	W22-3	A	42"X36"	42"X36"	42"X36"
NEW TRAFFIC PATTERN AHEAD	W23-2	A	36"X36"	48"X48"	48"X48"
⟨ <b>₹</b> ⟩⟨ <b>\$</b> ⟩	W24-1L W24-1R	A	36"X36"	48"X48"	48"X48"
\(\frac{\lambda}{\sqrt{3}}\)	W24-1 aL W24-1 aR	A	36"X36"	48"X48"	48"X48"
\(\lambda\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	W24-1bL W24-1bR	A	36"X36"	48"X48"	48"X48"

ROADWAY DEFINITIONS:

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EXPRESSWAY - A DIVIDED HIGHWAY WITH PARTIAL CONTROL OF ACCESS.

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COLOR CODE LEGEND		
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## NOTES

- 1. DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
- 2. FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE  $\mathbf{M.U.T.C.D.}$
- 3. WHEN USED IN CONJUNCTION WITH A BICYCLE SIGN (W11-1) OR PEDESTRIAN CROSSING (W11-2) COLOR CODE SHALL MATCH.



# NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

SIGN TABLE (SHEET 2 OF 2)

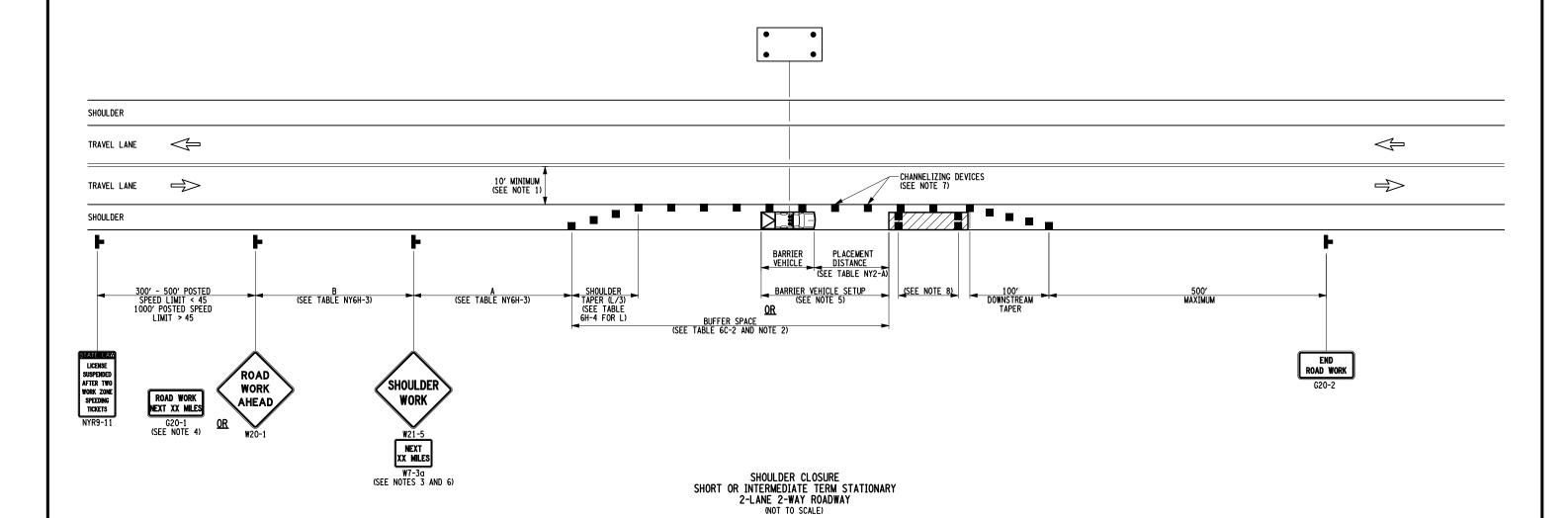
APPROVED APRIL 1, 2012

ISSUED UNDER EB 12-010

/S/ TODD WESTHUIS, P.E.
DIRECTOR, OFFICE OF
TRAFFIC SAFETY AND MOBILITY

ERRATA 1 EFF 01/01/2021 ISSUED WITH EB 20-048 619-12





- WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, USE THE DETAIL FOR SHORT OR INTERMEDIATE TERM STATIONARY FLAGGING OPERATION.
- 2. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
- 3. WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK IS 2 MILES TO 5 MILES, A SUPPLEMENTAL DISTANCE PLAQUE (W7-3d) SHOULD BE USED WITH THE SHOULDER WORK SIGN (W21-5).
- 4. THE ROAD WORK NEXT XX MILES SIGN (G2O-1) MAY BE USED INSTEAD OF THE ROAD WORK AHEAD SIGN (W2O-1) IF WORK LOCATIONS OCCUR OVER A DISTANCE OF MORE THAN 2 MILES.
- 5. FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES NY1-A AND NY2-A ON THE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
- 6. IN THOSE SITUATIONS WHERE MULTIPLE WORK LOCATIONS EXIST WITHIN A LIMITED DISTANCE MAKE IT PRACTICAL TO PLACE STATIONARY SIGNS, THE DISTANCE BETWEEN THE ADVANCE WARNING SIGN AND WORK SHALL NOT EXCEED 5 MILES.
- 7. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
- 8. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.

NOTE: SEE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES" FOR LEGEND OF SYMBOLS AND/OR LETTER CODES USED IN THIS DRAWING.



STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

SHOULDER CLOSURE 2-LANE 2-WAY ROADWAY

APPROVED SEPTEMBER 15, 2009

ISSUED UNDER EB 09-025

/S/ DAVID J. CLEMENTS, P.E. DIRECTOR, OFFICE OF TRAFFIC SAFETY AND MOBILITY

619-20

FILE NAME = 619-20\_010710.dgn DATE/TIME = 09-0CT-2009 10:46 USER = Jturley

EFFECTIVE DATE: 01/07/10

- 1. WHEN PAVED SHOULDERS HAVING A WIDTH OF 8' OR MORE ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK AREA AND DIRECT VEHICULAR TRAFFIC TO REMAIN IN THE TRAVEL WAY.
- 2. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED, ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE.
- 3. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
- 4. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
- TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.
- THE END ROAD WORK SIGN (G20-2) SHALL BE PLACED A MAXIMUM OF 500' PAST THE END OF THE WORK SPACE.
- WHERE DIRECTED BY THE ENGINEER, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE, TWO-WAY TRAFFIC TAPER PRIOR TO ANY HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.

- 8. THE FLAG TREE SHALL BE LOCATED ON THE SHOULDER, AT APPROXIMATELY  $\frac{1}{2}$  THE DISTANCE BETWEEN THE FLAGGER SIGN (W2O-7d) AND THE FLAGGER.
- FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT
- FLAGGER AND FLAG TREE SHALL BE ILLUMINATED TO LEVEL II ILLUMINATION DURING NIGHT TIME OPERATIONS.
- 11. ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6' STAFF.
- 12. CENTERLINE CHANNELIZING DEVICES ARE OPTIONAL AND MAY BE ELIMINATED WHERE SPACE CONSTRAINTS EXIST.

NOTE: SEE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES" FOR LEGEND OF SYMBOLS AND/OR LETTER CODES USED IN THIS DRAWING.



STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

FLAGGING OPERATION 2-LANE 2-WAY ROADWAY

APPROVED SEPTEMBER 15, 2009

ISSUED UNDER EB 09-025 /S/ DAVID J. CLEMENTS, P.E.

619-60

FILE NAME :
DATE/TIME :
USER :

DIRECTOR, OFFICE OF TRAFFIC SAFETY AND MOBILITY EFFECTIVE DATE: 01/07/10

