

## **Arges Training & Consulting**

Mailing Address: P. O. Box 88, Bond Head, Ontario L0G 1B0

Bond Head Office: Tel 905-775-0590; Fax 905-775-5107; e-mail: [redwards@interhop.net](mailto:redwards@interhop.net)

Mississauga Office: Tel 905-274-6257; Fax 905-274-6146; e-mail: [mdharmel@pathcom.com](mailto:mdharmel@pathcom.com)

# MEMORANDUM

**To: Users of the Ontario Traffic Manual**

**From: Milt Harmelink & Rod Edwards**

**Date: May 16, 2001**

**Subject: List of new signs, reflectivity, and effective dates**

In response to a number of requests, we have compiled a list of changes in sign requirements, including new signs, reflectivity requirements, and effective dates, which we thought would be of wider interest to you and your associates or members. This information is shown in the tables below for Regulatory Signs, Warning Signs, and Temporary Conditions Signs.

### 1. Regulatory Signs (Ontario Traffic Manual Book 5)

Sign Number	Sign Name	Reflectivity Requirement	Effective Date
Ra-1	STOP Sign	High-intensity	January 1, 2002
Ra-1t	ALL-WAY Tab Sign		
Ra-2	YIELD Sign		
Rb-10 through Rb-16	TURN CONTROL Signs		
Rb-19	DO NOT ENTER Symbol Sign		
Rb-19t	DO NOT ENTER Tab Sign		
Rb-20	DO NOT ENTER/WRONG WAY Sign		
Rb-21	ONE-WAY Sign (formerly Rb-21A)		
Rb-24	TWO-WAY TRAFFIC Sign		
Rb-25	KEEP RIGHT Sign		
Ra-2t	YIELD Tab Sign	High-intensity	January 1, 2006
Rb-31	DO NOT PASS Sign		
Rb-36	YIELD CENTRE LANE TO OPPOSING TRAFFIC Sign		
Rb-91	YIELD TO ONCOMING TRAFFIC Sign (formerly TC-43)		January 1, 1995 (not 2006 as shown in Bk 5)
Rb-92	ROAD CLOSED Sign (formerly TC-46)		

The following regulatory signs have been added as new signs (all engineering grade except as noted, use is optional rather than mandatory) or have been renumbered:

<b>Sign Number</b>	<b>Sign Name</b>	<b>Change?</b>
Ra-9A	CROSS OTHER SIDE Sign	Previously Ra-9Alt
Rb-1A	MAXIMUM SPEED Sign with KM/H included	Previously Rb-1Alt
Rb-7t	KM/H Tab Sign	Previously Rb-7
Rb-39	LANE USE RESTRICTION Sign (trucks, overhead)	New added sign; applies to all trucks, not just those over 6.5 m long
Rb-39A	LANE USE RESTRICTION Sign (trucks, ground-mounted)	See comment above
Rb-62A	NO HEAVY TRUCKS Sign (with time restriction)	New sign
Rb-96	TRUCKS ENTER INSPECTION STATION WHEN LIGHTS FLASHING Sign	Previously G.s-16 (in King's Highway Guide Signing Policy Manual)
Rb-97	VEHICLES OVER 5 TONNES MUST HAVE VALID TRANSPONDER Sign	New sign (for electronic tolling on Highway 407)
Rb-84t	BEGINS Tab Sign	Previously Rb-84ta
Rb-85t	ENDS Tab Sign	Previously Rb-84tb
Rb-88	3 OR MORE PERSONS Sign	New sign (for designated car pool lanes)
Rb-89	SCHOOL BUS LOADING ZONE Sign	Previously Rc-5
Rb-90A, Rb-90B	CONSTRUCTION ZONE BEGINS/ENDS Signs	Previously TC-41A, TC-41B
Rb-91	YIELD TO ONCOMING TRAFFIC SIGN	Previously TC-43 (high-intensity as of January 1, 1995)
Rb-92	ROAD CLOSED Sign	Previously TC-46 (high-intensity as of January 1, 1995)
Rb-93	DISABLED PARKING PERMIT Sign	Previously Rc-6
Rb-94	DISABLED STANDING EXEMPTION Sign	New sign
Rb-95	DISABLED STOPPING EXEMPTION Sign	New sign
Rc-10	NO IN-LINE SKATING Sign	New sign
Rc-11	KEEP OFF MEDIAN Sign	Previously Rb-74
Rc-12	NO PEDESTRIANS Sign	Previously Rb-66
Rc-13	FASTEN SEAT BELT Sign	Previously G.s-13
Rc-13t	COMPULSORY Tab Sign	Previously G.s-13t

## 2. Warning Signs (Ontario Traffic Manual Book 6)

There has been no change in the warning signs requiring high-intensity sheeting, and the requirement for high-intensity sheeting on those signs is January 1, 2002. The signs requiring high-intensity sheeting on that date are as follows:

Sign Number	Sign Name	Reflectivity Requirement
Wa-8	CHECKERBOARD Sign	High-intensity January 1, 2002
Wa-8L	CHECKERBOARD Sign (Left Arrow Version)	
Wa-8R	CHECKERBOARD Sign (Right Arrow Version)	
Wa-8LR	CHECKERBOARD Sign (Both Directions) (previously called Wa-8(L+R))	
Wa-9	CHEVRON ALIGNMENT Sign	
Wa-17	DOUBLE ARROW Sign	
Wa-32	RAMP SPEED KM/H Sign	
Wa-32t	KM/H Tab Sign	
Wa-33L	OBJECT MARKER Sign (Left Version)	
Wa-33R	OBJECT MARKER Sign (Right Version)	
Wa-33LR	OBJECT MARKER Sign (Both Directions) (previously called Wa-133)	

The following warning signs have been added as new signs (all engineering grade, use is optional rather than mandatory, except as noted) or have been renumbered:

Sign Number	Sign Name	Change?
Wa-7t	ADVISORY SPEED Tab Sign	Previously Wa-7
Wa-15A	Y-INTERSECTION Sign (Controlled)	Previously Wa-15
Wa-18t	HIDDEN INTERSECTION Tab Sign	Previously Wa-18
Wa-15	Y-INTERSECTION Sign (Uncontrolled)	New sign
Wa-22t	BUMP Tab Sign	New sign (*re-introduction of an earlier educational tab)
Wa-1123L	LANE ENDS Sign (Overhead)	New sign (note oversize)
Wa-23Lt	LEFT LANE ENDS Tab Sign	New sign*
Wa-23Rt	RIGHT LANE ENDS Tab Sign	New sign*
Wa-28t	ROAD NARROWS Tab Sign	New sign*
Wa-32A	RAMP SPEED Sign	New sign*
Wa-32t	KM/H Tab Sign	New sign*
Wa-34t	DIVIDED ROAD BEGINS Tab Sign	New sign*
Wa-35t	DIVIDED ROAD ENDS Tab Sign	New sign*
Wa-70t	NARROW BRIDGE Tab Sign	New sign*

Sign Number	Sign Name	Change?
Wa-72	DIVIDED ROAD INTERSECTION AHEAD Sign	New sign
Wa-73	DO NOT BLOCK INTERSECTION Sign	New sign
Wa-74	SPEED HUMP Sign	New sign
Wa-74t	SPEED HUMP Tab Sign	New sign
Wa-75	TRUCK OVERTURNING Sign	New sign
Wa-76	OVERHEIGHT Sign (with flashers)	New sign
Wa-76t	WHEN FLASHING Tab Sign	New sign
Wb-7	RAMP METERED WHEN FLASHING Sign (with amber flashers)	New sign
Wc-18	SNOWMOBILE CROSSING Sign	New design, shows snowmobile on horizontal line (as in pedestrians sign) rather than approaching the road); implementation date Jan 1, 2003
Wc-18t	SNOWMOBILE CROSSING Tab Sign	New sign*
Wc-21t	WATER OVER ROAD Tab Sign	New sign*
Wc-22	HORSE WITH RIDER Sign	New sign
Wc-23	HORSE-DRAWN VEHICLE Sign	New sign
Wc-25 (L or R)	FIRE TRUCK ENTRANCE Sign	New sign
Wc-25t	FIRE TRUCK ENTRANCE Tab Sign	New sign
Wc-26	SCHOOL BUS STOP AHEAD Sign	New sign
Wc-26t	SCHOOL BUS STOP AHEAD Tab Sign	New sign
Wc-28	WAIT FOR GAP Sign	New sign (for pedestrians)
Wc-29	TWO STAGE PEDESTRIAN CROSSING Sign	New sign
Wc-4B	RAILWAY CROSSING AHEAD Sign (on crossroad or sideroad)	New sign
Wc-5t	SLIPPERY WHEN WET Tab Sign	New sign*
Wc-6t	WATCH FOR FALLEN ROCK Tab Sign	New sign*
Wc-7t	SENIORS Tab Sign	New sign
Wc-8	TRUCK ENTRANCE Sign	New design; implementation date January 1, 2003
Wc-8t	TRUCK ENTRANCE Tab Sign	New sign*
Wa-30A	TEMPORARY BRIDGE Sign	Revised text; previously Bailey Bridge
Wb-3	NEW Sign	Colour now includes strong yellow-green
Wc-5	SLIPPERY WHEN WET Sign	New design; rain droplets added to sign to aid comprehension; implementation date Jan 1, 2003
Wc-10	SCHOOL BUS ENTRANCE Sign	New sign, replaces text-only SCHOOL BUS TURNING Sign; design similar to new TRUCK ENTRANCE Sign

### 3. Temporary Conditions (Ontario Traffic Manual Book 7)

The reflectivity requirements for temporary conditions signs and devices are as shown in the following table:

Sign Number	Sign Name	Reflectivity Requirement	Effective Date	
TC-3	LANE CLOSED AHEAD Sign	High-intensity	January 1, 1995	
TC-7	DETOUR-TURN OFF/DIVERSION Sign			
TC-12	FLASHING ARROW BOARD Sign			
TC-18	CHEVRON ALIGNMENT Sign		January 1, 2002	
TC-22	TCP STOP/SLOW Paddle ("Stop" side)		January 1, 1995	
Rb-91	YIELD TO ONCOMING TRAFFIC Sign		January 1, 2001	
Rb-92	ROAD CLOSED Sign		January 1, 1995	
TC-51A,B,C	Traffic Cones (these cones now require reflective collars; TC-51B (70 cm) becomes the standard cone, except for zone painting)		January 1, 2002 (immediately if used at night)	
TC-52	Construction Marker		January 1, 1995	
TC-53	Barricades			
TC-54	Flexible Drum (Barrel)			
TC-1	CONSTRUCTION AHEAD Sign			
TC-1A	CONSTRUCTION AHEAD 1 KM Sign		High-reflectivity micro-prismatic fluorescent (e.g., diamond grade or equivalent)	January 1, 2003 (recommended after January 1, 2001)
TC-1B	CONSTRUCTION AHEAD 2 KM Sign			
TC-2A	ROAD WORK Sign (ground-mounted, w/flags)			
TC-2B	ROAD WORK Sign (post-mounted, diamond)			
TC-4	LANE CLOSURE ARROW Sign			
TC-9	ROADSIDE DIVERSION WARNING Sign (may now have 1, 2, or 3 arrows)			
TC-16E	REVERSE CURVE Sign (may now have 1, 2, or 3 arrows)			
TC-21	TRAFFIC CONTROL PERSON AHEAD Sign			
TC-22	TCP STOP/SLOW Paddle ("Slow" side)	January 1, 2001		
	Double-sided SLOW Paddle	January 1, 2003		
All other Temporary Conditions signs		Engineering grade		

**Notes:**

1. Except for the TC-12, signs may be upgraded to higher reflectivity sheeting, where desirable to do so.
2. Sign size for TC-2A, TC-2B and TC-21 also increases to 90 cm x 90 cm on January 1, 2003
3. The shape of the TC-22 is octagonal, as of January 1, 2001. The double-sided SLOW Paddle is diamond-shaped.

The following temporary conditions signs have been added as new signs (mostly engineering grade except as noted; and use is generally optional rather than mandatory, except as noted) or have been renumbered:

<b>Sign Number</b>	<b>Sign Name</b>	<b>Change?</b>
TC-1B	CONSTRUCTION AHEAD 2 KM Sign	Previously TC-1A for either 1 km or 2 km ahead. (diamond grade)
TC-5A	DETOUR AHEAD 1 KM Sign	Previously TC-6
TC-5B	DETOUR AHEAD 2 KM Sign	Previously TC-6
TC-7tA	ROAD CLOSED Tab Sign	Previously TC-7t
TC-7tB	LOCAL TRAFFIC ONLY Tab Sign	Previously TC-8t
Rb-90A, B	CONSTRUCTION ZONE BEGINS/ENDS Sign	Previously TC-41A, B
Rb-91	YIELD TO ONCOMING TRAFFIC Sign	Previously TC-43 (high intensity)
Rb-92	ROAD CLOSED Sign	Previously TC-46 (high intensity)
TC-3tA	300 M Tab Sign	New sign
TC-9(L or R)(2)	ROADSIDE DIVERSION WARNING Sign (2 arrows)	New sign (diamond grade)
TC-9(L or R)(3)	ROADSIDE DIVERSION WARNING Sign (3 arrows)	New sign (diamond grade)
TC-10E (L or R)	DETOUR MARKER (like TC-10A, but with arrow part sloping up to left or right)	New sign
TC-10F (L or R)	DETOUR MARKER (like TC-10B, but with arrow sloping up to left or right)	New sign
TC-11	NARROW LANES Sign	New sign
TC-11t	TRUCKS USE CENTRE LANE Tab Sign	New sign
TC-11tA	FOR XX KM Tab Sign	New sign
TC-16E (L or R)(2)	REVERSE CURVE Sign (2 arrows)	New sign (diamond grade)
TC-16E (L or R)(3)	REVERSE CURVE Sign (3 arrows)	New sign (diamond grade)
TC-19	GROOVED PAVEMENT Sign	New sign
TC-19t	GROOVED PAVEMENT Tab Sign	New sign
TC-20	PREPARE TO STOP Sign	New sign
TC-20A	PREPARE TO STOP Sign (with amber flashers)	New sign
TC-20At	WHEN FLASHING Tab Sign	New sign
TC-23A	REMOTE CONTROL DEVICE AHEAD Sign	New sign
TC-23At	PREPARE TO STOP Tab Sign	New sign
TC-24	UNEVEN LANES Sign	New sign
TC-27	DO NOT PASS WHEN FLASHING Sign (pilot vehicles)	New sign
TC-31	TRUCK ENTRANCE Sign	New design; by January 1, 2003
TC-31A	TRUCK ENTRANCE Sign (with amber flashers)	New design; by January 1, 2003
TC-33A	LOW CLEARANCE AHEAD XX M Sign	New sign
TC-33B	LOW CLEARANCE XX M Sign	New sign

<b>Sign Number</b>	<b>Sign Name</b>	<b>Change?</b>
TC-35	RAMP CLOSED AHEAD Sign	New sign
TC-40	PEDESTRIAN DIRECTION Sign	New sign

If you have any questions, please give us a call.

Yours truly,

Milt Harmelink & Rod Edwards