



Subject: Clarification of the Use of Green Arrow Signal Displays on Traffic Signals at Interchanges.	
Date: July 31, 2005	Author: Ross Casey
Bulletin Number: TE-2005-07 Bulletin Type: Clarification	Effective Date: Immediately
Distribution	Standards Affected
All holders of the Electrical and Traffic Engineering Manual (December, 2003)	Electrical and Traffic Engineering Manual – Section 400.

Background:

Traffic signal displays have historically had green balls to indicate that all legal movements are permitted. As traffic movements have become more complex, green arrows, in conjunction with signing, are being used to indicate the permitted legal movements. Interchanges tend to have very complex movements that would be aided by using green arrow heads instead of green ball heads. An example would be an interchange cross street where a left turn is not permitted and there is a free right turn. The appropriate green signal head would be a straight through green arrow.

Policy:

All new interchange signals designs shall use green arrows instead of green balls, where appropriate.

All existing interchange signals shall be retrofitted with green arrows instead of green balls, where appropriate.

Procedure:

- 1.) Signal Designers and Traffic Engineers shall specify green arrow heads instead of green ball heads where enhanced positive guidance will be provided. Signing shall also be reviewed to confirm conformance with Chapter 2 of the Ministry Manual of Traffic Signs and Pavement Markings.
http://www.th.gov.bc.ca/publications/eng_publications/electrical/MoST_PM.pdf



TECHNICAL BULLETIN

Ministry of Transportation

ENGINEERING BRANCH
TRAFFIC, ELECTRICAL, HWY SAFETY AND
GEOMETRIC STANDARDS. SECTION
BULLETIN NUMBER: **TE-2005-07**

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- 2.) Regional Traffic Engineers, in conjunction with Regional Managers, Electrical Services, shall review each interchange traffic signal in their Region and determine if there are opportunities to install green arrow heads instead of green balls, or combinations of green arrow and green ball heads. . Signing shall also be reviewed to confirm conformance with Chapter 2 of the Ministry Manual of Traffic Signs and Pavement Markings. http://www.th.gov.bc.ca/publications/eng_publications/electrical/MoST_PM.pdf

The various head indication options are shown in Figure 29, Section 400 of the Electrical and Traffic Engineering Manual.

http://www.th.gov.bc.ca/publications/eng_publications/electrical/electrical_and_traffic_eng/2004-Electrical_Signing_Design_Manual/Section%20400/Section%20400.pdf

CONTACT:

Ross Casey, Senior Electrical Standards Technologist
Traffic, Electrical, Highway Safety and Geometric Design Section
Engineering Branch
Phone: (250) 387-7688
Email: ross.casey@gov.bc.ca