

Subject: Installation of Pre-emption Indicating Lights with Type P6 Traffic Controller Cabinets	
Date: January 20, 2015	Author: Kevin Henderson
Bulletin Number: TE-2015-01 Bulletin Type: Requirement	Effective Date: Immediately
Audience	Standards Affected
All involved in the design and installation of new TS2 traffic controllers.	Electrical and Traffic Engineering Manual Traffic Controller Assembly Manual Traffic Controller Design Manual

Background

In the past, blue and white Pre-emption Indicating Lights have been controlled by the TEC-DPE3 pre-emption input modifier card installed in Type M and S traffic controller cabinets. In these installations when the TEC-DPE3 card received a pre-emption request it would begin to flash the white indicating light for the traffic movement making the request and flash the blue indicating lights for all other traffic movements. Once the requested phase is active the flashing white light is then held on steady until the pre-emption request is removed.

The new P6 TS2 traffic controller cabinets do not utilize the TEC-DPE3 input card and thus can no longer be used to control the blue and white Pre-emption Indicating Lights.

Policy

Conductors for the blue and white Pre-emption Indicator Lights shall not be terminated at P6 traffic controller cabinets. Instead they shall terminate in the Pre-emption Cabinet where the pre-emption system will directly control the indicator lights. Note that when the pre-emption system drives these lights the white indicator light will continue flashing through the held pre-emption phase and will not go steady as it does when controlled by a TEC-DPE3 card.

Procedure

All electrical designs of traffic signals utilizing a Type P6 TS2 traffic controller cabinet shall show the Pre-emption Indicator Lights connected to the Pre-emption Cabinet and not the P6 cabinet.

All pre-emption input conductors between the P6 cabinet and the pre-emption system remains the same as it has been with the Type M and S cabinets. Each pre-emption call still requires a pair of conductors between the P6 cabinet and output contacts in the municipal pre-emption system. These output contacts are configured to actively hold closed when no pre-emption request is being made.



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Contact

Steve Drew, Senior Electrical Standards Technologist
Traffic, Electrical, Highway Safety and Geometric Design Section
Engineering Branch
Phone: (250) 387-7688
Email: steve.drew@gov.bc.ca