



NOTES:

- 1) One signal head shall be mounted 1/2 - 1/3 over the thru lane on an arm meeting a minimum 5.0m clearance from the existing roadway surface as per OTM book 12
- 2) The secondary head shall be mounted at a minimum of 2.75m height on the shoulder as per OTM book 12
- 3) The system shall include a countdown system indicating wait time until green. It shall be visible from the set stop bar as per construction drawings or as otherwise advised by the Agency
- 4) The system must be able to operate between at temperature range between -35°C to 50°C
- 5) The System must include solar system to facilitate battery charging
- 6) The battery system must be able to run as back up for 20 hours
- 7) The system must be able to operate on a 120V generator or electrical power service
- 8) The system must be able to operate red flash on start up, conflict or after power failure
- 9) The system must include a non-intrusive vehicle detection system to detect vehicle presence and automatically extend green display duration up to a maximum set green time
- 10) The Vendor shall provide layout of their traffic management plans as per OTM Book 7 and must include the following:
 - Stopbar distances from the portable traffic signal
 - Traveled distance in meters between the opposing stop bars to calculate clearance times
 - Calculated clearance times based on suggested orange speed signs or based on slower truck speeds observed on site as required
- 11) The Vendor shall set equipment or pre-mark with paint or flags the stop bars and portable signal locations. Once completed the Vendor shall provide a minimum of 72 hours advance notice to the Agency's traffic signal section to review layouts, signal timings and traffic management plans

ALL DIMENSIONS IN MILLIMETERS
UNLESS OTHERWISE NOTED



**PUBLIC WORKS
STANDARD DRAWING**

REV. DATE: DECEMBER 2018

APPROVED BY

DRAWN BY

GK

TSS SECTION

STD. DWG. NUMBER

SCALE

4-5-4

N.T.S.

**PORTABLE LANE TRAFFIC SIGNAL
EQUIPMENT LAYOUT**