

## **PATA 702**

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9. Optional signal configurations shall only be used when physical obstructions make it unreasonable to use the primary configuration.
10. The bottom of the housing of a signal face suspended over the roadway shall be a minimum of 15', but not more than 19' above the pavement. The bottom of the housing of a signal face that is not mounted over the roadway shall be at least 8', but not more than 15' above the sidewalk or, if there is no sidewalk, above the pavement grade at the center of the roadway.
11. The length of yellow change intervals is normally in the range from about 3 seconds to 6 seconds. Use a 5-second yellow change interval, or an appropriate alternative value from Publication 149 based on actual site conditions.
12. An all-red clearance interval must be used. The length of the all-red clearance interval is based on the length of the one-lane, two-way traffic section controlled by the portable traffic control signals and the speed of traffic through that section. Monitor traffic operations during the period of portable traffic control signal usage and adjust the length of the all-red clearance interval to account for site conditions and to provide for safe and efficient traffic operations. Unless otherwise indicated by PennDOT, the minimum length of all-red clearance intervals shall be as indicated on the table on Notes Page 3 of 3.
13. For fixed time and actuated operations, the minimum green interval provided for each approach shall be 10 seconds, unless otherwise indicated by PennDOT. The length of green intervals should be such as to provide for safe and efficient traffic operations. For green intervals, monitor traffic operations as traffic volumes change throughout the period of portable TTC signal usage and adjust green intervals to provide for safe and efficient traffic operations.
14. When not in operation, portable TTC signals shall be removed from the roadside or hooded with material described in Publication 408 Section 901.3(a). All TTC signs related to the TTC signal shall also be removed, covered or turned away from the roadway.
15. All signal heads shall flash red while the TTC signal operates in flashing mode.
16. Additional signs and devices shall be installed as required in Publications 212, 213, actual site conditions and as identified on an approved Traffic Control Plan.
17. Signal modules must be replaced in accordance with the manufacturers' recommendations, and a record of the change must be maintained by the user.
18. In the event of TTC signal failure, traffic must be controlled by flaggers or work must cease and the roadway reopened until adequate TTC can be reestablished.
19. All deficiencies will be subject to work zone liquidated damages as referenced in Publication 408, Section 108.07 unless the portable TTC signals are controlled by a State Agency.
20. PennDOT reserves the right to inspect each portable TTC signal. PennDOT also reserves the right to suspend operation of the portable TTC signal if the user willfully or negligently fails to comply with the conditions contained in Note 1 or fails to make any changes in the operation of the signal, or remove it, when so ordered by PennDOT.