

1 (January 10, 2022)

2 **Automated Flagger Assistance Devices**

3 **General**

4 Where shown on an accepted traffic control plan, the Contractor shall provide,
5 operate and maintain AFADs.

6
7 An AFAD is a self-contained, portable traffic control system that enables a
8 flagger to avoid standing on the roadway while still controlling road users
9 alternating through a single open lane.

10
11 **AFAD Operation**

12 Each AFAD shall be controlled only by a flagger who has been trained on the
13 operation of the AFADs by a manufacturer or supplier representative in
14 addition to the requirements in accordance with Section 1-10.3(1)A. The
15 flagger shall be positioned to visually see both the AFAD and approaching
16 traffic. When this is not feasible, digital alternatives are allowable. The flagger
17 is prohibited from leaving the AFAD unattended at any time while the AFAD is
18 in operation and controlling traffic.

19
20 If AFAD repairs are required, the Contractor shall control traffic with flaggers
21 and stop/slow paddles and the AFAD shall be repaired or replaced within 48
22 hours.

23
24 **AFAD Location and Use**

25 An AFAD shall only be used in situations where there is only one lane of
26 approaching traffic in the direction to be controlled. AFADs shall not be used
27 within 1500 feet of existing or temporary traffic signals. When used at night, the
28 AFAD location shall be illuminated in accordance with Section 1-10.3(1)A.

29
30 The AFAD may be positioned up to the edge of the open travel lane without
31 any lateral clearance, but only the AFAD gate arm can be within the open
32 travel lane when traffic is being stopped. The AFAD shall be delineated by at
33 least 3 transverse channelization devices in advance when not within a closed
34 lane or shoulder.

35
36 The "STOP HERE ON RED" R10-6 (24"x36", B/W) or R10-6a (24"x36", B/W)
37 sign may be attached to the AFAD below the Red/Yellow lens. The AFAD may
38 have a supplemental amber LED changeable message sign with minimum 10-
39 inch characters attached to provide road users additional information, provided
40 it does not block any signal display or signage.

41
42 The Engineer may order adjustments to the location as needed based on
43 traffic and field conditions. The Contractor shall avoid placing the AFAD within
44 or immediately following horizontal and/or vertical curves when feasible.

45
46 **Setup and Takedown**

47 During the setup and take down operation of the work area, the AFAD display
48 shall be set to a yellow flash mode when the signal heads are deployed into
49 normal operating position.

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1 Except during setup prior to use and removal after use, the AFAD shall be
2 removed from the work zone clear zone when not in use unless protected by
3 barrier or guardrail.
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