

## SUDAS Revision Submittal Form

<b>Status Date:</b>	<u>As of 11/15/2024</u>	<b>Topic:</b>	<u>Automated flagger assistance devices</u>
<b>Manual:</b>	<u>Specifications</u>	<b>Location:</b>	<u>Section 8030, 1.08, A, 3 and 2.06, D</u>

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### Requested Revision:

#### 1.08 MEASUREMENT AND PAYMENT

##### A. Temporary Traffic Control:

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3. **Includes:** Lump sum price includes, but is not limited to, installation, maintenance, and removal of temporary traffic control; total roadway closures with installation and removal of detour signing as shown in the contract documents; removal and reinstallation or covering of permanent traffic control devices that conflict with the temporary traffic control plan; monitoring and documenting traffic control conditions; and flaggers or automated flagger assistance devices (AFAD). When required in the contract documents, the following are also included in traffic control unless a separate bid item is provided: portable dynamic message signs, temporary barrier rail, temporary flood lighting, and pilot cars.

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#### 2.06 FLAGGERS

##### D. Automated Flagger Assistance Device (AFAD)

1. AFADs may be used for flagging operations.
2. Ensure all AFADs meet the current requirements of the MUTCD Section 6E.04 and 6E.06.
  - a. Use RED/YELLOW lens type AFADs as per MUTCD Section 6E.06
  - b. Comply with crashworthiness requirements of Iowa DOT Article 4188.01, B.
  - c. If using AFADs on primary roadways, comply with Iowa DOT Article 4188.11 for remote communication capabilities.
3. Ensure AFAD is operated by trained flaggers who have been instructed how to use the project-specific AFAD. Ensure trained flaggers are available to step in as manual flaggers in case of an AFAD malfunction.
4. Place AFADs where flagger stations are shown on the project plans. Ensure AFADs are clearly visible to approaching traffic, and if used at night, illuminated as flagger stations.
5. Ensure flagger operating an AFAD has direct line of sight to the AFAD location and an unobstructed view of approaching traffic. The use of a camera to monitor the AFAD and/or the approaching traffic is not allowed in lieu of a manual flagger.
6. Ensure flaggers do not perform other duties while operating AFADs and do not leave AFADs unattended at any time while they are in use. Ensure pilot car drivers do not operate AFADs.
7. A single flagger is allowed to operate two AFADs if the following requirements are met:
  - a. The flagger has unobstructed view of both AFADs,
  - b. The flagger has unobstructed view of both directions of approaching traffic, and/or
  - c. The distance between AFAD locations is not greater than 1,000 feet.
8. Immediately replace AFADs with manual flaggers in the event of malfunction.

**Reason for Revision:** Adding an automated flagger assistance device as an option.

**Comments:** None.

<b>Region:</b>	<input type="checkbox"/> West	<input checked="" type="checkbox"/> Central	<input type="checkbox"/> East
<b>Comments:</b>	None.		
<b>Action:</b>	<input type="checkbox"/> Deferred	<input type="checkbox"/> Not Approved	<input checked="" type="checkbox"/> Approved

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<b>Region:</b>	<input checked="" type="checkbox"/> West	<input type="checkbox"/> Central	<input type="checkbox"/> East
<b>Comments:</b>	None.		
<b>Action:</b>	<input type="checkbox"/> Deferred	<input type="checkbox"/> Not Approved	<input checked="" type="checkbox"/> Approved

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<b>Region:</b>	<input type="checkbox"/> West	<input type="checkbox"/> Central	<input checked="" type="checkbox"/> East
<b>Comments:</b>	None.		
<b>Action:</b>	<input type="checkbox"/> Deferred	<input type="checkbox"/> Not Approved	<input checked="" type="checkbox"/> Approved

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**Final Regional Action Summary:** All 3 regions approved.

**Board of Directors Action:** Approved.