Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
AUTOMATED FLAGGER ASSISTANCE DEVICES (AFADS)
TCP(1-6)-12

GENERAL NOTES
1. Flags attached to signs where shown are Mandatory.
2. AFADS should be placed in work zone.
3. Adequate stopping sight distance must be provided to each AFAD location for approaching traffic. See Table below.
4. Lighted AFADs shall be operated by a qualified/certified flagger. Flaggers operating AFADs shall not be less than 30 feet from the work zone.
5. One flagger may operate two AFADs only when the flagger has an unobstructed view of both AFADs and of the approaching traffic in both directions.
6. When both AFADs are used, a flagger operating one AFAD shall not be operated by the pilot car operator.
7. AFADs shall not be operated within 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are not being observed but road work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
8. Additional Shadow Vehicles may be positioned off the paved surface, next to those shown in order to protect wider work zones.
9. Flaggers should use hand signals or other methods of communication to control traffic.
10. Length of work zone should be based on availability of flaggers to communicate.
11. If the work zone is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain stopping sight distance to the work zone.
12. Channelizing devices on the center line may be omitted when a pilot car is leading traffic and approved by the Engineer.
13. Taper lengths have been rounded off. (Table above).
14. The R1-7aT "WAIT ON STOP" sign and the R1-8aT "GO ON SLOW" sign shall be increased in order to maintain stopping sight distance to the AFAD.
15. The R10-6 "STOP HERE ON RED" arrow sign shall be offset so as not to obscure the AFAD.

Table:

<table>
<thead>
<tr>
<th>Speed (MPH)</th>
<th>Minimum Spacing (FT)</th>
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<td>65</td>
<td>30</td>
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<tr>
<td>70</td>
<td>20</td>
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</tbody>
</table>

*Conventional Roads Only

For construction or maintenance contracts, the requirements for Shadow Vehicles can be found in the appropriate General Notes.

For more information on traffic control and flagging, visit the Texas Department of Transportation website.

Figures:
TCP(1-6)-a
TCP(1-6)-b
TCP(1-6)-c
TCP(1-6)-d
TCP(1-6)-e
TCP(1-6)-f
TCP(1-6)-g
TCP(1-6)-h
TCP(1-6)-i
TCP(1-6)-j
TCP(1-6)-k
TCP(1-6)-l
TCP(1-6)-m
TCP(1-6)-n
TCP(1-6)-o
TCP(1-6)-p
TCP(1-6)-q
TCP(1-6)-r
TCP(1-6)-s
TCP(1-6)-t
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TCP(1-6)-v
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TCP(1-6)-x
TCP(1-6)-y
TCP(1-6)-z
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