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**General Notes**

1. All work shall comply with the latest edition of the County of Sacramento Standard Construction Specifications, County of Sacramento Improvement Standards, applicable Caltrans Standards, the California Manual of Uniform Traffic Control Devices (CaMUTCD) and other applicable provisions.

2. A minimum of one person shall be assigned to provide full time continuous monitoring and maintenance of traffic control devices.

3. All cones shall be 28 inches min. in height. Cones used during night time hours shall be equipped with retro reflective bands (or sleeves). Maximum cone spacing shall be as indicated but shall not be greater than 50 ft.

4. The W13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when work is not protected by a fixed barrier. Any other use of W13-1P or C17 series signs may only be considered when an engineering analysis concludes that a reduction of traffic speeds may help to improve traffic safety. C17 series signs may be used only when workers are actively engaged in construction activities. Speed reductions if justified, shall be lowered in 10 mph increments using C17 / W13-1P signage until the justified speed is obtained.

5. G20-2 "END ROAD WORK" sign shall be placed at the end of areas controlled by temporary traffic controls.

6. County inspector may direct the utility/contractor to discontinue operations at any time if the inspector determines that the work creates an undue safety risk or severe traffic congestion.

7. Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first and shall be placed progressively towards the work area.

8. Existing signs that may conflict with temporary traffic control devices shall be covered.

9. Flaggers shall wear approved safety vest, be equipped with stop / slow paddles and shall be in sight of each other or in direct communications at all times.

10. Minimum traffic lane widths shall be as follows:

- 10-feet where no fixed lateral obstructions exists
- 11-feet where fixed lateral obstruction (k-rail) exists on one side of lane
- 12-feet where fixed lateral obstruction exists on both sides of lane

11. Construction signage shall be promptly removed or covered whenever the message is not applicable or not in use.

12. Driveway access shall be maintained at all times unless other arrangements have been made through the affected property owner.

13. Buffer and taper areas shall remain clear of vehicles and equipment (except for appropriate TCP devices) at all times.

14. Work involving modifications to normal traffic signal operations shall be coordinated with the Sac County Traffic Operations center.

15. On roadways where parking is allowed, temporary "No Parking" signage may be placed where roadway widths are inadequate.

16. Contractor shall coordinate with county inspector to verify, identify and address conflicts with other planned or ongoing projects in the area.

17. If construction obstructs existing bus stop, the contractor shall coordinate work with Regional Transit (RT), 48 hours in advance of work and make provisions acceptable with RT to provide an alternative temporary location.

18. Contractor shall contact schools affected by construction to determine if school is in session. If school is in session, no traffic affecting construction activities shall take place 30 minutes before and 30 minutes after the arrival (AM) or departure (PM) bells. Contractor shall also notify any fire station which may be affected by construction activities.

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**Instructions For Using Templates**

1. Standard Traffic Control Templates are for use on projects requiring short duration (one day or less) traffic control measures and shall not be used on roadways with 3 or more lanes in any direction or at the following locations:

   - **Street**
   - **Limits**
   - Arden Way
   - Sac. City Limits to Eastern Ave.
   - Auburn Blvd.
   - Watt Ave. to Winding Way
   - Fair Oaks Blvd.
   - Sac City Limit to Sunrise Blvd.
   - Florin Rd.
   - Sac City Limit to Stockton Blvd.
   - Folsom Blvd.
   - Sac City Limit to Bradshaw Rd.
   - Fulton Ave.
   - All
   - Greenback Lane
   - All
   - Hazel Ave.
   - All
   - Howe Ave.
   - Folsom Blvd. to Alta Arden Express Way
   - Madison Ave.
   - Citrus Heights City Limits to Hazel Ave.
   - Sunrise Blvd.
   - All
   - Watt Ave.
   - Antelope Rd. to Kiefer Blvd

   Plans at these locations shall be site specific and require specific review and approvals.

2. Work covered under these Standard Traffic Control Templates shall be limited to week days between the hours of 8:00 am to 3:30 pm. Work outside of these working hours requires specific approval. In accordance with Section 7-8.06 of County of Sacramento Standard Construction Specifications, work shall be suspended and no activities that interfere with public traffic shall be conducted on designated streets during holiday season (defined as the four-day Thanksgiving weekend and December 8 through January 1) - See Holiday Moratorium Maps.

3. Use of Standard Traffic Control Templates does not relieve the user of other requirements, including 24 hour notification prior to beginning work. For emergency work, notification shall be provided within 1 hour of dispatch as defined in Section 7-8.03 of the County Standard Construction Specifications. Authorized utilities will not be required to provide notification if the work does not involve excavation and does not obstruct or modify pedestrian, bicycle or vehicular traffic patterns.

4. Users of these Standard Traffic Control Templates shall review field conditions prior to beginning work. Users shall determine specific aspects of the roadway at the work location; determine the most appropriate template to be used for the proposed work; complete data table and revise the template with notes and sketches as appropriate to delineate actual field conditions. Locations where templates do not reasonably depict actual field conditions shall be submitted for review.

5. Revised Standard Traffic Control Template shall be on site at all times in which traffic controls are in place and available for review by the County inspector.

6. Failure to comply with these requirements shall be considered an encroachment violation and may be subject to penalties as indicated in Section 12.08 of the County code.
SIGN COLOR LEGEND

(OB) ORANGE & BLACK
(RW) RED & WHITE
(BW) BLACK & WHITE
(BY) BLACK & YELLOW
(RBW) RED, BLACK & WHITE

TYPICAL CONSTRUCTION SIGNS

- Narrow Lane
- Lane Closed
- Road Work Speed Zone Ahead
- Stop
- Yield
- Oncoming Traffic
- Left Lane Must Turn Left
- Right Lane Must Turn Right
- Be Prepared to Stop
- Share the Road
- 25 MPH
- Road Work Ahead
- Detour Ahead
- Road Closed Ahead
- One Lane Road Ahead
- Right Lane Closed Ahead
- Shoulder Work Ahead
## DEVICE SPACING TABLE

### Minimum Taper Lengths

<table>
<thead>
<tr>
<th>Posted Speed</th>
<th>Formula</th>
<th>Buffer Space</th>
<th>10' Offset</th>
<th>11' Offset</th>
<th>12' Offset</th>
<th>Maximum &quot;Cone Spacing&quot;</th>
<th>Sign Spacing</th>
<th>LIDG (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>L 1/3 L 1/3 L</td>
<td>L 1/3 L 1/3 L</td>
<td>L 1/3 L 1/3 L</td>
<td>Long. Taper &amp; LIDG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>L = WS²/60</td>
<td>155' 155' 155'</td>
<td>90' 90' 90'</td>
<td>115' 115' 115'</td>
<td>125' 125' 125'</td>
<td>23' 23' 23'</td>
<td>100' To 200'</td>
<td>94'</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>200' 200' 200'</td>
<td>100' 100' 100'</td>
<td>165' 165' 165'</td>
<td>180' 180' 180'</td>
<td>30' 30' 30'</td>
<td>120' To 250'</td>
<td>113'</td>
</tr>
<tr>
<td>35</td>
<td></td>
<td>250' 250' 250'</td>
<td>105' 105' 105'</td>
<td>225' 225' 225'</td>
<td>245' 245' 245'</td>
<td>35' 35' 35'</td>
<td>140' To 280'</td>
<td>131'</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>300' 300' 300'</td>
<td>110' 110' 110'</td>
<td>290' 290' 290'</td>
<td>320' 320' 320'</td>
<td>40' 40' 40'</td>
<td>160' To 320'</td>
<td>150'</td>
</tr>
<tr>
<td>45</td>
<td></td>
<td>360' 360' 360'</td>
<td>115' 115' 115'</td>
<td>350' 350' 350'</td>
<td>380' 380' 380'</td>
<td>45' 45' 45'</td>
<td>180' To 360'</td>
<td>169'</td>
</tr>
<tr>
<td>50</td>
<td></td>
<td>420' 420' 420'</td>
<td>120' 120' 120'</td>
<td>410' 410' 410'</td>
<td>440' 440' 440'</td>
<td>50' 50' 50'</td>
<td>200' To 400'</td>
<td>197'</td>
</tr>
<tr>
<td>55</td>
<td></td>
<td>490' 490' 490'</td>
<td>125' 125' 125'</td>
<td>480' 480' 480'</td>
<td>510' 510' 510'</td>
<td>55' 55' 55'</td>
<td>220' To 460'</td>
<td>210'</td>
</tr>
<tr>
<td>60</td>
<td></td>
<td>570' 570' 570'</td>
<td>130' 130' 130'</td>
<td>560' 560' 560'</td>
<td>590' 590' 590'</td>
<td>60' 60' 60'</td>
<td>240' To 520'</td>
<td>225'</td>
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<tr>
<td>65</td>
<td></td>
<td>645' 645' 645'</td>
<td>135' 135' 135'</td>
<td>630' 630' 630'</td>
<td>660' 660' 660'</td>
<td>65' 65' 65'</td>
<td>260' To 620'</td>
<td>244'</td>
</tr>
<tr>
<td>70</td>
<td></td>
<td>730' 730' 730'</td>
<td>140' 140' 140'</td>
<td>720' 720' 720'</td>
<td>750' 750' 750'</td>
<td>70' 70' 70'</td>
<td>280' To 720'</td>
<td>263'</td>
</tr>
</tbody>
</table>

*Cones shown on templates are illustration purposes only. Exact number of cones required shall be based on cone spacing, taper lengths, actual field conditions, etc...

---

L = Taper Length
S = Speed
W = Width (Offset from path of travel)

LIDG = Lateral Intrusion Deterrence Gap (Ref: Ontario Traffic Manual -Book 7)

---

Both are based on:
1.) 85th % or if not available, then use
2.) Posted Speed Limit (PSL)

L = Taper Length
S = Speed
W = Width (Offset from path of travel)

LIDG = Lateral Intrusion Deterrence Gap (Ref: Ontario Traffic Manual -Book 7)

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* Cones shown on templates are illustration purposes only. Exact number of cones required shall be based on cone spacing, taper lengths, actual field conditions, etc...
FOR SIGN SPACING
SEE TC-06

SIDE OF ROAD - WORK AREA

OPTIONAL FLAGGER WITH ASSOCIATED SIGNAGE REQUIRED
WHEN VISIBILITY OF ONCOMING TRAFFIC IS LESS THAN 160 FT

LEGEND
- CONE
- ARROW PANEL
- Movable Manner Panel
- WORK AREA
- FLAGGER
- TRAFFIC DIRECTOR

GENERAL NOTES
- See TC-05 for sign descriptions. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper, and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Shows The Road signage required when a center lane plus paved shoulder is less than 14'.
- The W3-1P(35) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.
Note: W13-1 P TO BE PLACED UNDER W20-1, C12(CA) OR W1-3.

LEGEND

- See TC-08 for sign descripters. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-08 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'
- See Sheet TC-15 for pedestrian mitigation.
- Shown: The road signage required when outermost lane plus paved shoulder is less than 14'.
- The W13-1 P (25') shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

GENERAL NOTES

M & O TYPICAL TRAFFIC CONTROL PLANS
SIDE OF ROAD - WORK AREA
TWO LANE TRAFFIC CONTROL
WITH CENTERLINE - ONE LANE
CENTER OF ROAD - WORK AREA

FOR SIGN SPACING
SEE TC-06

10' MIN. CLEAR LANE

SHIFT TAPER (1/2L)

BUFFER

10' MIN. CLEAR LANE

10' MIN. CLEAR LANE

LEGEND

GENERAL NOTES

-See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.

-See TC-18 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.

-Signs may not be substituted.

-Size and distance must be visible at 1000'.

-See Sheet TC-45 for pedestrian mitigation.

-Share The Road signage required when outofit lane plus paved shoulder is less than 14'.

-The W13-1P (22) shall be used when the lane adjacent to work is less than 11' feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON
NAME ________________________

PHONE ________________________

M & O TYPICAL TRAFFIC CONTROL PLANS

CENTER OF ROAD - WORK AREA
TWO LANE TRAFFIC CONTROL WITHOUT CENTERLINE

REZA MOGHISI, CHIEF
DEPARTMENT OF TRANSPORTATION

SACDOT

TC-09
OF 50 SHEETS

11/2010
FOR
SIGN SPACING
SEE TC-06

 MAXIMIZE LANE WIDTH - 10’ MIN. CLEAR

FLAGGER/ASSOCIATED SIGNAGE MUST BE USED WHEN VISIBILITY OF ONCOMING TRAFFIC IS LESS THAN 200 FEET.
WHEN USED, EYE CONTACT MUST BE MAINTAINED BETWEEN FLAGGERS OR USE 2-WAY COMMUNICATION

**LEGEND**

**GENERAL NOTES**

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-05 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and devices must be visible at 1000’.
- See Sheet TC-45 for pedestrian mitigation.
- This Traffic signage required when currentmost lane plan placed shoulder is less than 14’.
- The W3-4 (P002) shall be used when the lane adjacent to work is less than 10 feet and when the work is not protected by a fixed barrier.

**COMPETENT PERSON**

NAME ____________________________
PHONE ____________________________

***REFERENCE TABLES ON TC-05***
FOR SIGN SPACING
SEE TC-06

100' TAPER
(Optional)

BUFFER

MERGE TAPER (L)

MAXIMIZE LANE WIDTH - 10' MIN. CLEAR

LANE Closure

SIDE OF ROAD - WORK AREA

LEGEND

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- The W13-1P(28) shall be used when the lane adjacent to work is less than 11' feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON
NAME 
PHONE 

POSTED
SPEED
LIMIT

TAPER
LENGTH

SPACING
OF CONES

LANE
SPACING

BUFFER
LENGTH

* REFERENCE TABLES ON TC-06
INTERIOR OF ROAD - WORK AREA

LEGEND
- Cone
- Arrow panel
- Walkway message sign
- Barricade
- Work area
- Flagger
- Traffic direction

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and devices must be visible at 1000 ft.
- See Sheet TC-45 for pedestrian mitigation.
- Where the road surface has a paved shoulder less than 14 ft.
- The W1-3(R) shall be used when the lane adjacent to work is less than 11 ft and when the work is not protected by a fixed barrier.

COMPETENT PERSON

NAME
PHONE

M & O TYPICAL TRAFFIC CONTROL PLANS

INTERIOR OF ROAD - WORK AREA

MULTILANE TRAFFIC CONTROL WITH CENTERLINE
HALF ROAD CLOSURE - TWO LAKES
FOR SIGN SPACING SEE TC-06

GENERAL NOTES

- See TC-05 for sign spacing. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000 ft.
- See Sheet TC-06 for pedestrian mitigation.
- Share The Road signage required when outermost lane plus paved shoulder is less than 14".
- Use W13-3P(30) shall be used when the lane adjacent to work is less than 14 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON
NAME __________________________
PHONE _______________________

- REFERENCE TABLES ON TC-06

M & O TYPICAL TRAFFIC CONTROL PLANS
MULTILANE TRAFFIC CONTROL WITH CENTERLINE - LEFT LANE CLOSURE - TWO LANES

SACRT
A.G. MOGHASSI, CHIEF
DEPARTMENT OF TRANSPORTATION

DATE: 7/1/2010

SHRDLU SHEET 10 OF 50
LEGEND

- Cone
- Arrow Panel
- CHAINAGE MESSAGE SIX
- Barricade
- WORK AREA
- FLUORESCENT
- TRAFFIC DIRECTION

GENERAL NOTES

- See TC-06 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Where the road signage required when an outmost lane plus paved shoulder is less than 14'.
- The W1-3-1P(20) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON

NAME

PHONE

M & O TYPICAL TRAFFIC CONTROL PLANS

SIDE OF ROAD - WORK AREA
MULTILANE TRAFFIC CONTROL WITH TWO-WAY LEFT TURN LANE - RIGHT LANE CLOSURE - ONE LANE

TC-15

OF

50 SHEETS

7/7/2010

SACDPT

REZA MOGHISI, CHIEF
DEPARTMENT OF TRANSPORTATION
Note: W13-1P to be placed under C12(CA) or W1-3.
LEGEND

- See TC-48 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-48 for sign spacing; spacing of cones, taper, and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Strobe The Road signage required when substandard lane plus paved shoulder is less than 14'.
- The W13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

GENERAL NOTES

COMPETENT PERSON

M & O TYPICAL TRAFFIC CONTROL PLANS

SIDE OF ROAD - WORK AREA
MULTILANE TRAFFIC CONTROL WITH TWO-WAY LEFT TURN
LANE - RIGHT LANE CLOSURE - TWO LANES

TC-17
INTERIOR OF ROAD - WORK AREA

FOR SIGN SPACING
SEE TC-06

W1-3(R)

100' TAPER

BUFFER

SHIFT TAPER (1/2 L)

FULL LANE CLEAR

C30(CA) w/ Flag Tree

W20-1

LEGEND

GENERAL NOTES

-See TC-06 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
-See TC-06 for sign spacing, spacing of cones, tapers and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
-(-) Signs may not be substituted.
-(-) Signs and Devices must be visible at 1000'.
-See Sheet TC-45 for pedestrian mitigation.

-Share The Road signage required when assessment lane plus paved shoulder is less than 14'.
-(-) The W-3-15(25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON
NAME: ____________________________
PHONE: ___________________________

POSTED SPEED LIMIT

TAPER LENGTH

SPACING OF CONES

SIGN SPACING

* Warning distances on TC-06

INTERIOR OF ROAD - WORK AREA
MULTILANE TRAFFIC CONTROL WITH TWO-WAY LEFT TURN LANE - DUAL RIGHT LANE CLOSURE - TWO LANES

REZA MOGHASSI, CHIEF
DEPARTMENT OF TRANSPORTATION

TC-18
7/1/2010
**GENERAL NOTES**

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spotting of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be subdivided.
- Signs and devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigations.
- Where a Road signage is required when the unimproved or shoulder is less than 14',
- The W13-1(TC25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

**COMPETENT PERSON**

**NAME**

**PHONE**

---

**REFERENCES**

**REZA MOGHISI CHIEF DEPARTMENT OF TRANSPORTATION**

**SACDOT**

**M & O TYPICAL TRAFFIC CONTROL PLANS**

**CENTER OF ROAD - WORK AREA**

MULTILANE TRAFFIC CONTROL WITH TWO-WAY LANE - LEFT LANE CLOSURE - TWO LANES

**JOB NO.**

**DRAWN**

**CHECKED**

**DATE**

**ST"**
SIDE OF ROAD - WORK AREA

FOR SIGN SPACING
SEE TC-06

RAISED OR PAINTED MEDIAN (DOUBLE DOUBLE YELLOW STRIPE)

LEGEND

GENERAL NOTES

- See TC-05 for sign descriptions. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-05 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and devices must be visible at 1000'
- See Sheet TC-45 for pedestrian mitigation.
- Signs required when outermost lane plus paved shoulder is less than 14'
- The W13-1P(S) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a median barrier.
- This plan DOES NOT apply to signalized or multi-way stop interchanges.

EXHIBIT Y - TC-06

REGIONAL TRANSPORTATION COMMISSION

SACRAMENTO VALLEY REGIONAL TRANSPORTATION DISTRICT

REGULATIONS:

I. GENERAL

A. This plan includes the following elements:

1. Cone
2. Arrow Panel
3. Work Area
4. Changeable Message Sign
5. Flagger
6. Traffic Direction

B. All signs shall have a black legend and border on an orange background, unless otherwise noted on the drawing.

C. Sign spacing, spacing of cones, taper and buffer lengths shall be as specified in TC-05.

D. Signs may not be substituted.

E. Signs and devices must be visible at 1000'

F. See Sheet TC-45 for pedestrian mitigation.

G. Signs required when outermost lane plus paved shoulder is less than 14'

H. The W13-1P(S) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a median barrier.

I. This plan DOES NOT apply to signalized or multi-way stop interchanges.
INTERIOR OF ROAD - WORK AREA

FOR SIGN SPACING
SEE TC-06

---

10' MIN. CLEAR LANE

100' TAPER (Optional)

BUFFER

M看重 TAPER (L)

RAISED OR PAINTED MEDIAN (DOUBLE DOUBLE YELLOW)

CHEVRON MODE (SEE NOTE)

---

---

LEGEND

- Cone
- Arrow Panel
- Changeable Message Sign
- Barricade
- Work Area
- Flagger
- Traffic Direction

GENERAL NOTES

- See TC-06 for sign description. All warning signs shall have a black legend and a border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Stare the Road signage required when outermost lane plus paved shoulder is less than 14'.
- The W1-1 (1925) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

---

COMPETENT PERSON

NAME: __________________________
PHONE: _________________________

---

M & O TYPICAL TRAFFIC CONTROL PLANS

INTERIOR OF ROAD - WORK AREA
MULTILANE TRAFFIC CONTROL WITH RAISED MEDIAN
LEFT LANE TRAFFIC CONTROL - TWO LANE

---

SIGNATURE

SAGDOT

DEPARTMENT OF TRANSPORTATION

RIZA MOOHISI, CHIEF

7/1/2010
WORK BEYOND THE SHOULDER

*May be used for work adjacent to the shoulder, otherwise use Workers Sign (W21-1a).

*Workers Sign (W21-1a) may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more behind edge of any roadway.

**Legend**

- Cone
- Arrow Panel
- Chargeable Message Sign
- Barricade
- Work Area
- Flagger
- Traffic Direction

**General Notes**

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and devices must be visible at 100ft.
- See Sheet TC-45 for pedestrian mitigation.
- Share the road signage required when outermost lane plus shoulder is less than 14'.
- The W1-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

**Competent Person**

Name ____________________
Phone ____________________

**Table**

<table>
<thead>
<tr>
<th>POSTED SPEED LIMIT</th>
<th>PAPER LENGTH</th>
<th>SPACING OF CONES</th>
<th>SIGN SPACING</th>
<th>BUFFER LENGTH</th>
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</thead>
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* Reference Tables on TC-06

M & O TYPICAL TRAFFIC CONTROL PLANS

WORK BEYOND THE SHOULDER

Reza Moghissi, Chief
DEPARTMENT OF TRANSPORTATION
SACDOT

Sheet 7/1/2010

TC-25 of 50 SHEETS
SHOULDER WORK

FOR SIGN SPACING
SEE TC-06

W20-1
ROAD WORK AHEAD

C12(CA) (OPTIONAL)
W11-1/18-1 COMBO
TRUCK-MOUNTED ATTENUATOR
(Optional)

W13-1P
See Gen. Note

10' MIN. CLEAR LANE

SHOULDER TAPER (1/3L)

LEGEND

1. CONE
2. ARROW PANEL
3. CHANGABLE MESSAGE SIGN
4. BARRIAGE
5. WORK AREA
6. FLAGGER
7. TRAFFIC DIRECTION
8. SIGN

GENERAL NOTES

- See TC-06 for sign descriptions. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000 feet.
- See Sheet TC-46 for pedestrian mitigation.
- Street the speed signage required when sustained lane plus shoulder is less than 14'
- W13-5 (POS) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON
NAME
PHONE

M & O TYPICAL TRAFFIC CONTROL PLANS

SHOULDER WORK
WITH MINOR ENCROACHMENT

TC-26
OF 50 SHEETS
**Right Turns May Be Restricted**

**Legend**
- Cone
- Arrow Panel
- Changeable Message Sign
- Barricade
- Work Area
- Flagger
- Traffic Direction

**General Notes**

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be subcategorized.
- Signs and devices must be visible at 1000'.
- See Sheet TC-05 for pedestrian flagging.
- Store the lane closure required when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

**Competent Person**

- Name ____________________________
- Phone ____________________________

**M & O Typical Traffic Control Plans**

**Side of Road - Work Area**

**Right Lane Closure on Far Side of Intersection**

**Reza Moghissi, Chief Engineer**
**Department of Transportation**

**Sheet TC-28**

**Date** 7/1/2010
**INTERSECTION - WORK AREA**

**GENERAL NOTES**

- See TC-06 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Use the road signage required when custom lane plus paved shoulder is less than 14'.
- The W13-1P(28) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

**COMPETENT PERSON**

NAME ______________

PHONE ______________

**REFERENCES**

- Street Use Plan
- Work Area
- ENFORCEMENT
- OPENING
- CLOSING

**M & O TYPICAL TRAFFIC CONTROL PLANS**

**INTERSECTION - WORK AREA**

CLOSURE AT SIDE OF INTERSECTION

**DATE:** 7/1/2010
INTERIOR OF ROAD - WORK AREA

FOR
SIGN SPACING
SEE TC-05
USE FOR ALL INTERSECTION LEGS

① LEFT OR RIGHT TURN MOVES MAY BE RESTRICTED

---

CHEVRON MODE (SEE NOTE)

MERGE TAPER (L)

10' MIN. CLEAR LANE

30m (100')

---

LEGEND

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, tape and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Mark The Road signage required when outermost lane plan paved shoulder is less than 14'.
- The W13-3P020 shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON

NAME ____________________________

PHONE __________________________

POSTED SPEED LIMIT | BUFFER LENGTH | SPACING OF CONES | BUFFER LENGTH

* REFERENCE TABLES ON TC-06

M & O TYPICAL TRAFFIC CONTROL PLANS

INTERIOR OF ROAD - WORK AREA

LEFT LANE CLOSURE ON FAR SIDE OF INTERSECTION
INTERSECTION - WORK AREA

FOR SIGN SPACING SEE TC-06
USE FOR ALL INTERSECTION LESS

(1) LEFT OR U TURN MOVES MAY BE RESTRICTED

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, tapers and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Share the road signage required when outermost lane plus paved shoulder is less than 14'.
- The W11-1P/1000' shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

M & O TYPICAL TRAFFIC CONTROL PLANS
INTERSECTION - WORK AREA
LEFT LANE CLOSURE AT INTERSECTION

LEGEND

GENERAL NOTES

COMPETENT PERSON
NAME ______________________
PHONE ____________________

* REFERENCE TABLES ON TC-06

POSTED SPEED LIMIT | TAPER LENGTH | SPACING OF CONES | SPACING | BUFFER LENGTH

SACDOT
DEPARTMENT OF TRANSPORTATION
PIZZA PIZZA, CHIEF ENGINEER
7/1/2010
CENTER OF ROAD - WORK AREA

M & O TYPICAL TRAFFIC CONTROL PLANS
CLOSURE IN CENTER OF INTERSECTION

LEGEND
- Cone
- Arrow Panel
- Temporary Message Sign
- Barricade
- Work Area
- Flagger
- Traffic Direction

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-08 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Signs The Road signage required when outmovement lane plus paved shoulder is less than 14'.
- The W11-1/1PES(2) shall be used when the lane adjacent to work is less than 11 feet wide and when the work is not protected by a fixed barrier.

COMPETENT PERSON
NAME _______________________
PHONE _______________________

POSTED SPEED LIMIT
TAPE LENGTH
SPACING OF CONES
SIGN SPACING
BUFFER LENGTH

* REFERENCE TABLES ON TC-06
RIGHT TURN MOVES MAY BE RESTRICTED

LEGEND
- Cone
- Arrow panel
- Changeable message sign
- Barricade
- Work area
- Flagger
- Traffic direction
- Sign

GENERAL NOTES
- See TC-05 for sign description. All warning signs shall have black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and core spacing may be decreased.
- Signs may not be substituted.
- Signs and devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- When the footprint of the lane of travel is less than 14', the W13-1P may be used when the lane adjacent to work is less than 11' and when the work is protected by a fixed barrier.

COMPETENT PERSON
NAME:
PHONE:

M & O TYPICAL TRAFFIC CONTROL PLANS
SIDE OF ROAD - WORK AREA
CLOSURE AT FAR SIDE OF INTERSECTION

SIGN SPACING
- See TC-06

USE FOR ALL INTERSECTION LEGS

FOR
- W20-1
- W11-1
- W18-1
- C12(CA)
- R4-8
- W13-1P
- See Gen. Note

SHIFT TAPER (1/2):
10' MIN CLEAR LANE

FLAG TREE
W20-1

TC-33
08/18
50 SHEETS
INTERIOR OF ROAD - WORK AREA

USE TC-30 FOR TRAFFIC CONTROL ON THE APPROACH

10' MIN CLEAR LANE

SEE TC-06 FOR SIGN SPACING

① RIGHT TURN MOVES MAY BE RESTRICTED

LEGEND

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, tape and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- The sign TC-19-1P(25) shall be used where the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON

NAME ____________________________
PHONE ___________________________

POSTED SPEED

FACTOR LENGTH

SPACING OF

MEAN SPACING

FACTOR LENGTH

* PRECEDENCE TABLES ON TC-06

M & O TYPICAL TRAFFIC CONTROL PLANS

INTERIOR OF ROAD - WORK AREA

LEFT TURN INTERSECTION TRAFFIC CONTROL

WITH LEFT LANE CLOSURE AT FAR SIDE OF INTERSECTION

SACDOT

REZA MOGHADDAM, CHIEF
DEPARTMENT OF TRANSPORTATION

DATE: 7/1/2010

PAGE 1

OF 50 SHEETS
SIDE OF ROAD - WORK AREA

USE TC-28 FOR TRAFFIC CONTROL ON THIS APPROACH

10' MIN. CLEAR LANE

Legend:
- Cone
- Arrow Panel
- Changeable Message Sign
- Barricade
- Flagger
- Sign
- Work Area
- Traffic Direction

General Notes:
- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Tapers. The roadworks required when outermost lane plan paved shoulder is less than 14'.
- The W13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and where the work is not protected by a fixed barrier.

M & O Typical Traffic Control Plans
SIDE OF ROAD - WORK AREA
LEFT TURN INTERSECTION TRAFFIC CONTROL
WITH RIGHT LANE CLOSURE AT FAR SIDE OF INTERSECTION

Sacdot
Reza Mokhtari, Chief
Department of Transportation

Competent Person
Name:
Phone:

Posted Speed Limit | Taper Length | Spacing of Cones | Vision Spacing | Buffer Length

* Reference Tables on TC-06
INTERIOR OF ROAD - WORK AREA

USE TC-30 FOR TRAFFIC CONTROL ON THIS APPROACH

10' MIN. CLEAR LANE

LEGEND

- Cone
- Arrow Panel
- Changeable Message Sign
- Barricade
- Work Area
- Flagger
- Traffic Direction

GENERAL NOTES

- See TC-06 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, hoops, and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Share-the-road signage required when outermost lane plus paved shoulder is less than 14'.
- The W1-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON

NAME ______________________
PHONE ______________________

M & O TYPICAL TRAFFIC CONTROL PLANS

INTERIOR OF ROAD - WORK AREA

LEFT TURN INTERSECTION TRAFFIC CONTROL

WITH LEFT LANE CLOSURE AT FAR SIDE OF INTERSECTION

SACDOTH

7/1/2010
INTERSECTION - WORK AREA

LEGEND

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-08 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased or decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- The W3-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

COMPETENT PERSON

NAME ____________________________
PHONE __________________________

POSTED SPEED LIMIT __________________________
TAPER LENGTH __________________________
SPACING OF CONES __________________________
SIGN SPACING __________________________
BUFFER LENGTH __________________________

* Reference Tables on TC-06
PEDESTRIAN MITIGATION (Temporary Alternation Circulation Path)

General

When crosswalks or other pedestrian facilities are temporarily closed or repositioned, alternate circulation paths are alternatives to existing developed pedestrian environment and are required to achieve the maximum accessibility feasible under existing conditions.

Components

Temporary Alternation Circulation Path (hereafter referred to as ‘path’ or ‘pathway’) shall consist of one or more of the following components: walkways, ramps, curb ramps (including side entry) and landings, blinded transitions, crosswalks, and pedestrian overpasses and underpasses. Elevators, platform lifts, stairs, escalators and elevators shall not be part of a path. A path shall comply with the applicable portions of this document.

Continuous Width

The minimum continuous and unobstructed clear width of a path shall be 1.2 m (4.0 ft) preferably 1.5 m (5.0 ft), exclusive of the width of the pedestrian barriers and channelizing devices. Where a path turns or changes direction, it shall accommodate the continuous passage of a wheelchair or scooter. As with street or highway design for vehicles, additional maneuvering width or length may be needed along curved or angled sidewalks, particularly where the grade exceeds 5%. Individual segments of paths shall have a minimum straight length of 1.2 m (4.0 ft).

California Code of Regulations (CCR) Title 24 Part 2 Chapter 118 sections 113380 and 113382 with Aös 531122 D 46 15000 Standard Accessibility Guidelines (AAG 4) 4.4 Provisions for projecting objects apply across the entire width of the path.

Width or Passway Spans

Paths that are less than 1.5 m (5.0 ft) in clear width shall provide passageways at intervals of 61 m (200 ft) maximum. Passageways at passing spaces shall be 1.5 m (5.0 ft) wide with a distance of 1.5 m (5.0 ft).

Walkways, Curb and Cross Slope

The pathway surfaces shall be level and shall not have a slope greater than 1 to 12 nor a cross slope greater than 2% AAt locations where it is impractical to obtain the required 1 to 12 slope or 2% cross slope, exceptions may be granted on an individual basis depending on the specific site conditions.

Where the walkway of a pedestrian access route is contained within a street or highway berm, its grade shall exceed the general grade established for the adjacent street or highway.

Surface

The surface of the path shall be firm, stable, and slip resistant. The pathway shall be constructed of concrete, asphalt, rock, tile or poured or precast concrete. A slip-resistant surface used for a walking surface shall be 1000 (1 mm) minimum and shall be properly supported to produce a firm stable surface. Compacted soil or aggregate base material is not considered an acceptable surface.

Surface discontinuities shall not exceed 0.01 inch maximum. Changes in level up to 0.01 inch (0.5 mm) may be vertical and without edge treatment. Vertical discontinuities between 0.01 inch and 0.06 inch (0.5 mm and 1.6 mm) maximum shall be levelled to 0.06 inch maximum. The level shall be applied across the entire level change. Changes in level greater than 0.06 inch (1.6 mm) shall be accomplished by means of a ramp that complies with CCR Title 24 Part 2 Chapter 118 sections 113275 and AAG 4.7. Surfaces with individual units laid out of plans and those that are heavily textured, rough, or chipped, shall greatly increase rolling resistance and will subject pedestrians who use wheelchairs, scooters, and rolling walkers to the stressful (and often painful) effects of vibration. It is highly desirable to minimize surface discontinuities, when discontinuities on the path are unavoidable, they shall be widely spaced.

The installation of gratings in the surface of the pathway should be avoided. If gratings are located in path surfaces, then they shall have spaces no greater than 0.3 inch (13 mm) wide in one direction. If gratings have elongated openings, they shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

Location

Sidewalks at the construction location may be closed with adequate detours. Sidewalks may be closed to through traffic and shall not prevent local pedestrian access. Detours shall not increase the path of travel by more than 500 feet. Detour routes shall be limited to existing sidewalks, private properties (see above requirements) and crossings of roadway intersections. To the maximum extent feasible, the alternate circulation path shall be provided on the same side of the street on the disrupted route. Where it is feasible to provide a pedestrian path, a pedestrian path will be provided. Section 603.2 of the California Building Code requires: Uniform Traffic Control Devices for Streets and Highways 2003 Edition (WITCO) approved for use in California, Amended September 26, 2008, specifies that the alternate path provide a similar level of accessibility to that of the existing disrupted route. This may include the incorporation of accessible circulation paths, curb ramps, or other accessibility features.

Pedestrians may be detoured or private property only if written permission from the property owner is obtained along with documentation indicating that the County would not be liable in the event of an accident.

Protection

Where the temporary alternate circulation path is exposed to adjacent construction, excavation drop-offs, traffic, or other hazards, it shall be protected with a pedestrian barricade or channelizing device that is continuous, immovable, stable, rigid, and visible that is free of spilled, jagged, and sharp surfaces/edges; concrete barriers (x-xal) or other similar protective devices. Caution tapes, cones, drums, saw horses, and A Frames are not considered effective barriers for this purpose.

Pedestrians routed into normal bicycle or automobile traffic lanes must be protected from traffic via pedestrian barricade or channelizing device that is continuous, immovable, stable, rigid, and visible that is free of spilled, jagged, and sharp surfaces/edges; concrete barriers (x-xal) or other similar protective devices. Caution tapes, cones, drums, saw horses, and A Frames are not considered effective barriers for this purpose.

Pedestrians routed on the roadway shoulder of locations not normally traveled by bicycles or locations where bicycle traffic has been indicated must be protected with a continuous, immovable, stable, rigid, and visible barrier that is free of spilled, jagged, and sharp surfaces/edges. Pedestrian barricades and channelizing devices shall consist of a well, fence, or enclosures specified in section 6B-58, 6F-63, and 6F-46 of the WITCO. Caution tapes, cones, drums, saw horses, and A Frames are not considered effective substitutions for this purpose. Barriers shall have a bottom or lower continuous rail equivalent to 2 1/2 inches in a vertical orientation and at 42 inches minimum upper rail 35 inches (915 mm) minimum above the ground or walkway surface. Barrier support members shall be provided between the barriers and the pedestrian access route or alternate circulation path.

These pathways shall be well marked with reflective materials to assist both visually impaired pedestrians and vehicles traveling or fois when visibility may be impaired. The reflective materials shall be color yellow conforming to Federal Color Code No. 353519, as shown in Table IV of Standard No. 9599.

During working hours, at least one worker shall be assigned the responsibility of escort elderly, disabled or other pedestrians in need of assistance through the construction site. Worker assigned the responsibility may also participate in other construction activities however, the assigned worker shall be aware of his or her responsibilities for providing this assistance.

Lighting

The pathway is to be continuously and uniformly illuminated at all times. When existing artificial lighting does not continuously and uniformly illuminate the path or there is no artificial lighting, there shall be temporary lights installed, if electrical power is available. Paths are more visible for pedestrian with low vision when a pedestrian barricade or channeling device constrains such as possible. Arrangement of lighting shall affect the ease of seeing. Arrangement of lighting that affects the ease of seeing may include shadows cast by lighting sources, surface reflectance, and the uniformity of the color and texture of the materials making up the walkway surface, pedestrian barricade or channelizing device.

Rules in the Permanent Path of Travel

When there is a hole or opening, e.g. manhole cover, within the permanent path of travel, there shall be a continuous, immovable, stable, rigid, and visible pedestrian barricade surrounding the boundary of the opening which is free of spilled, jagged, and sharp surfaces/edges. There shall also be a clear, unobstructed path and space for pedestrian traffic at a minimum of 1.2 m (4.0 ft) preferably 1.5 m (5.0 ft). The pedestrian barrier/pathway must also meet all requirements as listed above.

M & O TYPICAL TRAFFIC CONTROL PLANS

PEDESTRIAN MITIGATION OP. TYPICAL PEDESTRIAN CONTROL

REZA MOGHISI, CHIEF
DEPARTMENT OF TRANSPORTATION

SACDOT

APR. NO.
00-00

DATE
07/11/2010

SHEET 

TC-45

CIRCLE

PRINT

58/104/12

STANDARD

26/12/

DATE

07/11/2010

REVISION

00-00

STANDARD

MCN

SCALE

1/2 INCH = 10 FT

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DETOUR ONTO PRIVATE PROPERTY
(PREFERRED OPTION)

DETOUR TO OTHER SIDE OF ROAD
(CONTROLLED INTERSECTIONS OR ON RESIDENTIAL ROADWAYS ONLY)

FLANGED PEDESTRIAN CONTROL
(ACCEPTABLE OPTION)

LEGEND

GENERAL NOTES

PEDESTRIAN CONTROL TEMPLATE NOTES

M & O TYPICAL TRAFFIC CONTROL PLANS
MOVING TRAFFIC CONTROL
PEDESTRIAN CONTROL
TYPICAL VARIATIONS
MOVING TRAFFIC CONTROL

LEGEND
- Cone
- Arrow Panel
- Work Area
- Flagger
- Sign
- Changeable Message Sign

GENERAL NOTES
- See TC-06 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigation.
- Share the road signage required when commercial lane plus paved shoulder is less than 14'.
- The W-13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and the work is not protected by a fixed barrier.

1. Eye contact must be maintained between flaggers or use 2-way communication.
2. Come to be warned on pavement adjacent to flagger.
3. Flagger to move w/ work zone.
4. Use 20-1 when distance between signs is less than 2 miles. Use 20-4 when distance is 2 miles or greater.
5. If pedestrian facility is obstructed, provide monitor to escort pedestrian through work zone.

M & O TYPICAL TRAFFIC CONTROL PLANS
MOVING TRAFFIC CONTROL
SHOULDER MAINTENANCE
SINGLE LANE RESTRICTION

COMPETENT PERSON
NAME ______________________
PHONE _____________________

<table>
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<tr>
<th>POSTED SPEED UNIT</th>
<th>TAPER LENGTH</th>
<th>SPACING OF CONES</th>
<th>SIGN SPACING</th>
<th>BUFFER LENGTH</th>
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</thead>
<tbody>
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</tbody>
</table>

* Reference Tables on TC-06
OPTION 4 - PAINTING OPER.

GENERAL NOTES

-See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.

-See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.

-see note TC-06 for pedestrian mitigation.

-See Sheet TC-45 for pedestrian mitigation.

-Notes: The proposed project is subject to change, depending on the existing conditions.

-Note: The W13-1P(25) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.
SHORT DURATION

NOTE: ALL VEHICLES SHALL DISPLAY FLASHING WARNING LIGHTS AT ALL TIMES DURING OPERATION.

LEGEND

**CONES**
**ARROW PANEL**
**BARRIÈRE**
**FLAGGER**
**SIGNAL**
**WORK AREA**
**TRAFFIC DIRECTION**
**CHANGEABLE MESSAGE SIGN**

GENERAL NOTES

- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for cone spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Cones must be visible at 1000ft.
- See Sheet TC-45 for pedestrian mitigation.
- Shore Road signage required when shoulder lane plan panel shoulder is less than 14ft.
- The W1-10010(20) shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a road barrier.

M & O TYPICAL TRAFFIC CONTROL PLANS

SHORT DURATION
60 MINUTES OR LESS
RIGHT OR LEFT LANE TRAFFIC CONTROL

COMPETENT PERSON

NAME ______________________
PHONE ____________________

<table>
<thead>
<tr>
<th>POSTED SPEED LIMIT</th>
<th>BUFFER LENGTH</th>
<th>SPACING OF CONES</th>
<th>SIGN SPACING</th>
<th>BUFFER LENGTH</th>
</tr>
</thead>
</table>

*REFERENCE TABLES ON TC-08*
FOR
SIGN SPACING
SEE TC-06

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- See TC-05 for sign description. All warning signs shall have a black legend and border on an orange background unless otherwise noted on the drawing.
- See TC-06 for sign spacing, spacing of cones, taper and buffer lengths. Sign spacing may be increased and cone spacing may be decreased.
- Signs may not be substituted.
- Signs and Devices must be visible at 1000'.
- See Sheet TC-45 for pedestrian mitigations.
- Share The Road signage required when outermost lane plus paved shoulder is less than 14'.
- The W3-1P[25] shall be used when the lane adjacent to work is less than 11 feet and when the work is not protected by a fixed barrier.

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COMPETENT PERSON
NAME ___________________________
PHONE ___________________________

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M & O TYPICAL TRAFFIC CONTROL PLANS
SHORT DURATION
60 MINUTES OR LESS
MIDIAN WORK

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