### SECTION 2800

**TEMPORARY TRAFFIC CONTROL**

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TEMPORARY TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRIERING PERMIT AT LEAST TWO WORKING DAYS BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PREVENT LIFESOUTH PROPERTY IS EXCLUDED WITH THE UNDERSTANDING THAT A PERMIT SHALL BE OBTAINED WITHIN 24 HOURS.

2. CONTRACTOR SHALL, AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULED SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH, BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRE CONSTRUCTION TRAFFIC CONTROL WILL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES MADE BY CONTRACTOR THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SETUP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) OR EQUIVALENT, CERTIFIED WORK SITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORK SITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTIPLE LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS INSUFFICIENT MEDIUM SPACE.

10. ALL BARRIERS IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THE POSTED SPEED LIMIT, NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 5A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRIERS AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE ANDADEQUATE MEANS OF CHANNELIZING PEDESTRIAN AND CYCLE TRAFFIC AROUND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLIGATION OF ANY COMPLETING STRIPPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENCES AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPACITY LETTERING ON BLUE REFLECTORIZED BACKGROUND, ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE JOB AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING A RIGHT-OFF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLANTED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:

1) STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON CONSTRUCTION COORDINATION, LATEST EDITION.

2) THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.

3) SECTIONS 19, 1200, AND 2800 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW/CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE TEMPORARY TRAFFIC CONTROL PLANS ARE NOT SPECIFIED.

26. ADVANCE WARNING SIGNS SHALL BE 36"X36" MIN WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE MUTCD.

27. CONTRACTOR SHALL MAINTAIN A GRAFTITE FREE WORK SITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

REVISIONS

CITY OF ALBUQUERQUE

TEMPORARY TRAFFIC CONTROL

GENERAL NOTES

DRAWN JANUARY 2003

REV. 2B01
**LEGEND**

- **WORK AREA**
  - **BARRICADE** - TYPE I, TYPE II, VERTICAL PANEL OR BARREL
  - **BARRICADE** - TYPE II, VERTICAL PANEL
  - **WARNING SIGN**
  - **DISTANCE BETWEEN SIGNS** - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
  - **FLAGMAN POSITION**
  - **SPACING BETWEEN BARRICADES** - A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
  - **TAPER LENGTH** - SEE CHART BELOW

The tangent length is equal to the taper length for a given street.

**TAPER REQUIREMENT**

<table>
<thead>
<tr>
<th>SPEED LIMIT OF (MPH)</th>
<th>10’ TAPER LENGTH</th>
<th>11’ TAPER LENGTH</th>
<th>12’ TAPER LENGTH</th>
<th>MINIMUM NUMBER OF DEVICES FOR TAPER</th>
<th>MAXIMUM DEVICE SPACING IN FEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>70</td>
<td>75</td>
<td>80</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>25</td>
<td>105</td>
<td>115</td>
<td>125</td>
<td>6</td>
<td>25</td>
</tr>
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<td>150</td>
<td>165</td>
<td>180</td>
<td>7</td>
<td>30</td>
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<td>35</td>
<td>200</td>
<td>225</td>
<td>240</td>
<td>8</td>
<td>35</td>
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<td>40</td>
<td>270</td>
<td>295</td>
<td>320</td>
<td>9</td>
<td>40</td>
</tr>
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<td>495</td>
<td>540</td>
<td>13</td>
<td>45</td>
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<td>50</td>
<td>500</td>
<td>550</td>
<td>600</td>
<td>13</td>
<td>50</td>
</tr>
<tr>
<td>55</td>
<td>550</td>
<td>605</td>
<td>660</td>
<td>13</td>
<td>55</td>
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</table>

**TAPER CRITERIA**

**TYPE OF TAPER**

- **UPSTREAM TAPER**
- **MERGING TAPER**
- **SHOULDER TAPER**
- **TWO-WAY TRAFFIC TAPER**
- **DOWNSTREAM TAPER**

**RECOMMENDED SIGN SPACING(S) FOR ADVANCE WARNING SIGN SERIES**

- **MINIMUM DISTANCE BETWEEN SIGNS FROM LAST SIGN TO TAPER**
  - 0-20: 10 X SPEED LIMIT
  - 20-30: 10 X SPEED LIMIT
  - 30-35: 10 X SPEED LIMIT
  - 35-45: 10 X SPEED LIMIT
  - 45-50: 10 X SPEED LIMIT

**TAPER LENGTH COMPUTATION**

<table>
<thead>
<tr>
<th>SPEED LIMIT</th>
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<tbody>
<tr>
<td>40 MPH OR LESS</td>
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<tr>
<td>40 MPH OR GREATER</td>
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**L - TAPER LENGTH**

- **W - WIDTH OF OFFSET IN FEET**
- **S - POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH**

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**REVIEWS**

- **CITY OF ALBUQUERQUE**
  - **TEMPORARY TRAFFIC CONTROL**
  - **CONSTRUCTION TRAFFIC CONTROL STANDARDS**

**Dwg. 2803**

**January 2003**
TYPICAL MID-BLOCK CLOSURE

TYPICAL STREET CLOSURE

GENERAL NOTE:
1. ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON ORANGE BACKGROUND.
2. ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" X 36" IN SIZE AND SHALL HAVE ONE WARNING LIGHT.
3. SEE DWG. 2803 FOR DEFINITION OF "D" AND "L".

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

1. (R1-1) BASED ON FIELD CONDITIONS.
2. CLOSE LEFT TURN AND RIGHT TURN ONLY LANES ON CROSS STREETS AT EACH END OF ROAD CLOSURES (WHERE APPLICABLE).

REVERNS CITY OF ALBUQUERQUE

TEMPORARY TRAFFIC CONTROL
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. MUTCD)

DWG 28003 JANUARY 2003
TYPICAL "REDUCED SPEED AHEAD" SET UP

SUGGESTED ADVANCE WARNING SIGN SPACING

<table>
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<tr>
<th>ROAD TYPE</th>
<th>DISTANCE BETWEEN SIGNS</th>
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<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>URBAN (LOW SPEED)</td>
<td>200</td>
</tr>
<tr>
<td>URBAN (HIGH SPEED)</td>
<td>350</td>
</tr>
<tr>
<td>RURAL</td>
<td>500</td>
</tr>
<tr>
<td>EXPRESSWAY/FREeway</td>
<td>1,000</td>
</tr>
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GENERAL NOTE:
1. ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.
2. ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 30" BY 36" IN SIZE AND SHALL HAVE ONE WARNING LIGHT.
3. SEE OWH 2803 FOR DEFINITION OF "O" AND "L".

NOTES:
1. SHOULDER AREA MUST BE GRADED, LEVEL AND SURFACED PER SECTION 1200.5.6
2. LANE WIDTHS SHALL BE MAINTAINED AT 11 FEET MINIMUM.
3. SHOULDER MUST HAVE ADEQUATE "CLEAR ZONE."
4. TRAFFIC SPLITS INTO SHOULDER SHALL NOT EXCEED THREE DAYS.