New Manual

- Name Change
- Replaced 2007 City of Phoenix TBM and 2011 City of Mesa Supplement
- Stand Alone City Manual
- Direct Augmentation to the MUTCD
Temporary Traffic Control Program

• Updated Traffic Control Fees (effective July 1, 2016)

• Traffic Control Plan Requirements
  • Clarification on design criteria
  • TCP – Traffic Only Plan
  • TPAP – Temporary Pedestrian Access Plan

• Temporary Traffic Control Permit Approval
  • Contractor/Barricade company to have copies with them at all times.

• TTC Device Impounding

<table>
<thead>
<tr>
<th>Description of Service</th>
<th>Fee</th>
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</thead>
<tbody>
<tr>
<td>Minimum-No Restrictions Planned</td>
<td>$50</td>
</tr>
<tr>
<td>Roadway/Alley Restriction</td>
<td>$75 Per Day</td>
</tr>
<tr>
<td>Left Turn Prohibition –Signalized Intersection</td>
<td>$50 Day/Direction</td>
</tr>
<tr>
<td>Sidewalk Closure</td>
<td>$20 Per Day</td>
</tr>
<tr>
<td>Arterial Road Closure</td>
<td>$2,500 Per Day</td>
</tr>
<tr>
<td>Plan Review Fee (3rd and Subsequent Reviews)</td>
<td>$50 Per Sheet/Review</td>
</tr>
</tbody>
</table>
General Traffic Regulations

- Designated Responsible Person
  - At least one (1) person in an organization must be ATSSA TCS Certified or equivalent

- New Certification Requirements
  - ATSSA Traffic Control Design Specialist Certification
    - Required to submit any TCP or TPAP to the City for review
    - Certification number must be on the plan when submitted
  - ATSSA Flagger Certification
    - ATSSA certification or equivalent
    - Must have possession of certification at all times when flagging
General Traffic Regulations

• Advance Public Notification
  • Full Closure – (10) Full Calendar Days
  • Peak Hour Reduction in Through Lanes – (5) Full Calendar Days
  • Left Turn Prohibition at an arterial/collector signalized intersection – (5) Full Calendar Days

• Detour/Bypass Surface Requirements
  • Detoured Less Than (7) Days
    • Asphalt millings, quarter minus gravel, compacted aggregate
    • Provide smooth rideable surface with dust control measures
  • Detoured (7) Days or More
    • Paved surface. Engineered design plan required and approved by City Traffic Engineer
General Traffic Regulations

• Vertical Pavement Drop
  • Exceeding one inch in depth must be evaluated by Transportation staff
  • Asphalt ramping
  • Applicable warning signs (i.e. Bump, Dip, Grooved Pavement, etc.)

• Holiday Construction Moratorium
  • Improved Definition
  • Provided Key City locations Where Applicable
Signs, Devices, and Application

• Temporary Concrete Barriers
  • Require a sealed engineered plan to be reviewed and approved by City Traffic Engineer.

• Longitudinal Channelizing Device
  • Pedestrian access considerations
  • ADA safety wall accepted
Signs, Devices, and Application

- **Channelization Device Application**
  - Maximum spacing for channelizing devices
  - Five (5) foot Maximum spacing for Type I, II, and III barricades when closing roadways, alleys, or sidewalks.

- **Traffic Control Device Storage**
  - Cluster method with a minimum of (3) units to a cluster.

### Maximum Spacing of Channelization Devices

<table>
<thead>
<tr>
<th>Speed (mph)</th>
<th>Maximum Channelizing Device Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Taper* (feet)</td>
</tr>
<tr>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>35</td>
<td>35</td>
</tr>
<tr>
<td>40 and higher</td>
<td>40</td>
</tr>
</tbody>
</table>

* Maximum channelizing device spacing for all speeds on shifting tapers is 20 feet. Spacing for traffic cones used in a merging tapers shall not exceed 25 feet regardless of speed.
** Use on intermediate and short-term projects for shifting tapers where there are no pavement markings or where there is a conflict between existing pavement markings and channelizing devices.
Signs, Devices, and Application

- MUTCD sign spacing for advance warning signs
- Sign Changes/Additions
  - Replaced the W20-6 Work Zone sign with the G20-5p
  - Steel Plate Ahead (W8-24) sign required for milled road plates
  - Sidewalk Bump sign (W8-1aMe)
  - Advance Intersection Lane Control Sign (R3-8LS/SR)
Service Vehicle Operations

15-Minute Short Term

- High intensity rotating, flashing, oscillating, or strobe lights
- Four-way hazard flashers
- A short taper of cones (50-foot taper consisting of six (6) traffic cones)

60-Minute Short Term/Slow Moving

- High intensity rotating, flashing, oscillating, or strobe lights
- Four-way hazard flashers
- A short taper of cones (50-foot taper consisting of six (6) traffic cones)
- One (1) arrow board
Pedestrian Access Accommodations

- ADA required TTC devices
  - Ramps
  - Longitudinal channelizing devices
  - Pedestrian guide signs (R11-11a)
- Steel plates on sidewalks
- Temporary pathway design features
- Added additional pedestrian access sample design applications.
Bicycle Access Considerations

• Reduced advance warning signs for bike lane closures

• W11-1/W16-1 Bike Lane Symbol/Share the Road signs used for bike lane/route closures.

• M4-9 required when providing a bike lane/route detour.
Transit Stop Accommodations

• Guidelines on how to coordinate a relocation of closure of a transit stop
• ADA compliance requirements for temporary stops.
• Way finding sign applications
• Traffic control plan samples for typical applications.
Special Events

- Guideline for submitting for Special Events
- Pre-event planning
- Special Event License Application and TTC Permit
- Special requirements for advance public notification.
  - Required City design static signing
Appendix

- Typical Temporary Traffic Control Applications
- Mesa Sign Detail
- Definitions and Abbreviations
- City Contact Numbers
Questions?