



CITY OF TUCSON

DEPARTMENT OF TRANSPORTATION / ENGINEERING

ADDITIONS BY THE CITY OF TUCSON TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR TEMPORARY TRAFFIC CONTROL

2015 Edition

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1. INTRODUCTION

Work Zone Traffic Control Management is an essential element in providing activities that benefit our community. Well-planned and executed projects provide the traffic control installation and maintenance that ensures safe travel for the public as well as a safe working environment for employees. Our street congestion continues to grow due to increasing traffic volumes from our growing city. Congestion becomes greatly exacerbated whenever construction activities are restricting the roadway. This management program is intended to continue to facilitate the needed improvements for our growing community, public needs and desires while enhancing the planning, application and oversight of the traffic control work zone element.

This document is the City of Tucson's Additions to the Manual on Uniform Traffic Control Devices (MUTCD), as amended by the State of Arizona. **See Chapter 25, Sec. 25-24. Barricades; notice (a).**

In the City of Tucson, the guidelines for work zone traffic control are the MUTCD as amended by the State of Arizona, the Additions by the City of Tucson, along with ADOT Arizona Supplement to the current edition of the MUTCD and any other special requirements as noted.

Proper traffic control techniques will be effectively utilized to:

- Help prevent accidents to all reasonable and prudent users of the public right-of-way.
- Prevent damage to private and public property including damage to construction projects and construction equipment, and most important - personal injury.
- Minimize the possibility of claims and litigation from work zone accidents.
- Reduce confusion to the drivers, bicycles, and pedestrians.
- Expedite traffic flow.
- Improve public relations.
- Insure conformity with national, state and city regulations for traffic control.

Roadway safety ultimately depends on the attentiveness and cautious behavior of roadway users. There are no devices that can provide absolute protection against the risk of harm that can be caused by the inattentive driver, bicyclist or pedestrian. The devices described in this chapter are intended to possibly reduce the potential for risk, although risk can never be eliminated so long as inattentiveness and unreasonable and imprudent behavior remains an ingrained feature of human behavior.

2. APPLICABILITY

Anyone who uses or occupies a City right-of-way, alley, shoulder, sidewalk or street for purposes other than travel and who may affect vehicle, bicycle or pedestrian traffic **will** comply with the MUTCD and the Additions by the City to the MUTCD, as well as the current edition of the Arizona Supplement to the Manual on Uniform Traffic Control Devices. **All barricading affecting businesses shall also comply with the Safe Harbor Ordinance in setting up “Open for Business” signs.**

3. AUTHORITY

No closure or barricading may be performed in the public right-of-way without permission and required permits from the City of Tucson Department of Transportation (TDOT). The Director of Transportation and designees have centralized authority for reviewing and prescribing proper traffic control and devices at work zones, and shall have final determination in case of a conflict regarding equipment required.

All traffic control plans shall be submitted to the TDOT Permit Center for approval prior to starting any project in the public right-of-way. Upon approval of the traffic control plan an ATSSA certified contractor, developer, and/or City department may set-up the traffic control devices.

Traffic control plans are only a concept and are subject to change. If an applicant determines that a change must be made to the planned traffic control, the applicant will submit an official City of Tucson Traffic Control Permit Addition Application along with the revised plan to the Department of Transportation within 24 hours of the change. The submittal must outline the reasons for the revision.

The Department of Transportation will periodically monitor the job sites to assure that all traffic control devices and set-ups are to standard. Work zones shall be swept clean at the end of each day. **Failure by the contractor to comply with or maintain approved set ups shall result in a monetary penalty per day the set-up is not corrected.**

4. PERMITTING AND PLAN REVIEW FEES

Chapter 25 of the City code requires any firm or individual, to obtain a permit from the TDOT Permit Center for any work or event that involves a closure or barricading for more than thirty (30) minutes on City streets, alleys, shoulders, and sidewalks. Any party barricading the public right-of-way must have the permit number or the permit and approved traffic control plan **in possession** before any barricading begins. On State routes within City Limits, the applicant must also obtain a permit from the Arizona Department of Transportation.

- All fees are required prior to the approval of permit applications.
- Applicants must indicate the party responsible for fees owed on the permit application.
- Payment of all fees for longer than thirty (30) consecutive days may be made at the onset of the work or initial permit issuance.
- Projects with an estimated completion time beyond thirty (30) consecutive days shall be rounded to the next highest multiple of thirty (30) days for permitting purposes.
- Permit renewals or extensions are the responsibility of the applicant.

Fee Schedule:

- **Traffic Control Permit, \$75** authorizes for temporary traffic control in the public right-of-way for up to thirty (30) consecutive days.
- **Traffic Control Plan review, \$50**
- **Annual Permit is for public utilities, \$12,000** authorizes for temporary traffic control city wide for short-term **(1 day or less) work by public utilities at locations throughout the city. A separate permit must be obtained on any job(s) lasting longer than one day.**
- **Double Fees,** Permit fees and review plan fees shall be doubled if the request for permit is submitted less than **seventy-two (72) hours** in advance of the proposed commencement of the work excluding weekends and holidays per Chapter 25, Section 25-91 Fee Schedule.
- **Penalties: Failure by the contractor to comply with, or maintain, approved set ups shall result in a monetary penalty per day the set-up is not corrected. A penalty of \$75 per day shall be assessed until the correction is approved.**

5. TRAFFIC CONTROL SUBMITTAL REQUIREMENTS

▪ Application Process

The applicant requesting a permit to use public property (streets, alleyways, or sidewalk areas) in the public right-of-way shall submit an official City of Tucson Traffic Control Permit Application. All official City of Tucson applications are available on the website listed below. Approval of a Traffic Control Plan may be required for temporary traffic control activities that last more than one (1) day or have a major impact to traffic. **Temporary work zone traffic control permits are only accepted for a specific location or street not to exceed one mile in length or for a single intersection.**

▪ Traffic Control Plan

Traffic control plans shall be prepared by ATSSA certified personnel and submitted to the TDOT Permit Center a minimum of three (3) full business days prior to any barricading being erected in the right-of-way. If the work zone is in the downtown or university area, the application and plan shall be submitted five (5) business days before beginning work in order to coordinate Park Tucson Division and Sun Link review. The applicant is responsible for the accuracy of the plan.

Traffic Control plans are required for all major impact work which includes:

- **Along Sun Link Streetcar route**
- **Downtown Area (Central Business District)**
- **If traffic control extends through a signalized intersection**
- **More than one lane closed at a time on an arterial or collector street**
- **Restrictions on arterial or collector streets during peak hours**
- **Complete closure of any street**
- **If traffic control extends through a railroad crossing**

The Traffic Control Plan shall include the following:

- A. The size of the work zone including all relevant dimensions (Cover sheet indicating location map, boundary limits, address, and north arrow. Additional sheets will include street names, north arrow and items B thru F).
- B. The location of the work area in relation to the cross streets, driveways, alleys, bike lanes or other major reference points. This shall include sidewalk, transit stops, hospitals and schools.
- C. All temporary traffic control devices (signs, channelizing devices, striping, others) required for work zones.
- D. Access to the existing parking facilities (garages, carports, parking stalls, curb cuts, and driveways, **bus pullouts or stops**) affected by the proposed work zone.
- E. When applicable, indicate a 24-hour pedestrian access in accordance to the American Disability Act (ADA) requirements throughout the work zone area.
- F. The posted speed limit and distance of tapers.

6. APPLICANT RESPONSIBILITIES

The applicant must certify that the proposed traffic control plan is in conformance with the latest edition of the MUTCD and all other permit requirements.

The applicant shall:

- Utilize only an ATSSA certified individual(s) to draw traffic control plans and supervise the set-up and removal of barricades.
- Obtain traffic control permit for all work or event in the public right-of-way.
- Submit a traffic control plan when required.
- Provide written notification at least two business days in advance and coordinate with all affected organizations (see section 26 for contact information)
- Write & distribute a news release to local media for Public Outreach.
- Schedule and expedite the work to cause the least inconvenience to the public. Construction or repair work will not be permitted at any arterial or collector streets during peak hours (7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m.). Emergencies are exempted. A traffic control permit may be approved for work during the peak hours if the work takes place in the off-peak direction.
- Conduct no work on holiday restricted streets between Thanksgiving and January 2, on major shopping routes. See Appendices.
- Conduct no work on designated streets during Gem and Mineral Show, Rodeo Parade and other civic events designated by the Director of Transportation.
- Maintain 24-hour access for emergency service providers to schools and medical facilities.
- **Maintain 24- hour pedestrian access in accordance to the American Disability Act (ADA) requirements throughout the work zone area.**
- Install and maintain required traffic control devices that meet guidelines contained in the National Cooperative Highway Research Project (NCHRP) 350.
- Provide properly trained flag-personnel, when required.
- Ensure that all crews and anyone else working in or near the public right-of-way wears high visibility safety clothing.
- Provide adequate safeguards for workers and the general public.
- Provide adequate marking and lighting of construction vehicles.
- Service check the construction sites as required and/or as requested to insure that all devices are in place and operating at all times.
- Remove all traffic control devices immediately when they are no longer needed.
- Work zones shall be swept clean at the end of each day.

7. TRAFFIC CONTROL WARNING AND GUIDANCE DEVICES

The most effective system of warning and guidance is provided by their observance and through the properly planned usage of traffic control devices that are uniformly placed and well maintained. All traffic control, warning and guidance devices will meet or exceed the minimum requirements in the Manual on Uniform Traffic Control Devices. These MUTCD requirements present the minimum guidelines for enhanced public safety, such as requiring vertical panels, channelizing devices and arrow panels on major roadways. The barricade companies are required to maintain a 24-hour phone service and return phone calls within one (1) hour and respond within two (2) hours.

The City of Tucson is requiring all category 1 and category 2 traffic control devices in a work zone be crashworthy and to qualify as such according to the testing and acceptance guidelines of the NCHRP Report 350.

Clarification on Vertical Panel Requirement on Arterial and Collector Roadways

Vertical panels or barricades as channelizing devices on arterial and collector roadways for any lane closure that exceeds one hour. The 28-inch traffic cones may be used instead if the lane closure is for less than one hour.

At night, the 28-inch traffic cones may be used if they are equipped with two retroreflective bands as proscribed by the MUTCD, Part 6, Figure 6F-4, and the lane closure does not exceed one hour.

The Department of Transportation may render civic events exempt depending on the circumstances and conditions of the event. However, if a variance is granted, the 28-inch traffic cone must still meet MUTCD, Part 6 standards.

Incidences on arterial and collector roadways shall follow the MUTCD, Part 6, Section G.19, Control of Traffic through Incident Area.

8. SIGN TYPES

Traffic signs are classified into several functional groupings: **WARNING, GUIDE and REGULATORY**. All signs shall meet or exceed MUTCD standards.

The Department of Transportation will approve the use of regulatory signs. All such signs will be provided, installed and maintained by the applicant or contractor.

Existing regulatory signs within or adjacent to the work area must be maintained by the applicant or contractor. If existing signs are not appropriate for the traffic conditions in the work area, the Department of Transportation will be notified immediately to determine if the signs are to be covered, replaced or relocated.

Regulatory directional signs such as “No Left Turn” and “No U-Turn” signs will be posted twice.

The “\$250 Fine In Work Zone,” “City of Tucson at Work,” “Wet Concrete,” “Wet Paint” and “Slow Down My (Mommy-Daddy) Works Here” signs must be shown on a traffic control plan. See sections 24 and 25 for further detail on specialty signs.

9. SIGN PLACEMENT

Advance warning signs shall be located on the right hand side of traffic lanes and bike lanes. On divided streets, supplemental advance warning signs **shall** be placed on the raised median when there is more than one travel lane approaching the work site. Advance warning signs shall not be placed in dual left turn lane that is exposed to live traffic.

All signs that will convey their message in darkness shall be retro-reflectorized; sand bagged and equipped with a Type A flasher. No barricade signs or supports shall bear any commercial advertising or any company name, logo, etc. on the face of sign or stand.

Advance warning signs may be equipped with Type B lights in high traffic volume, daytime work zones.

Signs shall be installed immediately before work is to start and removed immediately when they are no longer needed. Signs shall not be left overnight in any portion of the pedestrian, vehicular and bicycle traveling lanes. Exceptions to the overnight prohibition include signs associated with ongoing total road closures, partial road closures, travel lane closures, or closures due to an incident. Traffic control devices will be stored on the project site in a safe and secure area out of the way of all traffic and pedestrians or turned away from traffic.

The bike lane should normally be kept free of construction signage, if possible. The only sign that may be placed in the bike lane is the “Share the Road with Care – Bike Lane Ends” or “Bike Lane Closed”. See Section 21.C

Work zones along the frontage of any business areas shall have blue “business access” signs-back on one temporary stand and placed at all business driveways.

Sign Spacing Chart:

Road Type & Posted Speed Limits	Sign Spacing
Urban Low – < 30 Mph	100 Ft.
Urban High – 35 Mph to 40 Mph	350 Ft.
Rural – 45 Mph to 55 Mph	500 Ft.

Sign Height Chart:

Road Type & Posted Speed Limits	Minimum Sign Height
Urban – < 40 Mph	7 Ft. High
Rural – 45 Mph to 55 Mph	5 Ft. High
Portable Sign	1 Ft. High

10. SPECIFIC DEVICE REQUIREMENTS

A. Type 1, sawhorse barricades can be used only for controlling crowds on the sidewalk during civic events. No barricade rail face shall be used for any commercial or company advertising.

B. Yellow POLICE or FIRE LANE tape may only be used by emergency personnel for the duration of the emergency or until standard devices can be deployed.

C. Arrow Boards

- An arrow panel is required for any lane closure on a multi-lane collector or arterial street. The arrow panel must meet MUTCD standards. Use of the arrow panels must comply with MUTCD standards.
- When arrow panels are used to close multiple lanes, a separate arrow panel will be used for each closed lane.
- The arrow panel shall not be used for any commercial or company advertising on the panel or the mounting and transportation equipment.
- Arrow sticks may be used on vehicles where space is limited and arrow panels are not feasible.
- The Department of Transportation may permit a lane closure without an arrow panel on a collector street where a recent (within a two-year period) speed study indicates an 85th percentile speed of 25 mph or less.

D. Portable Changeable Message Signs

- The Director of Transportation may require portable changeable message signs (PCMS) on high volume collector or arterial streets to notify vehicular traffic of the start of future road restrictions.
- The PCMS will meet MUTCD standards including operation. The PCMS will not be located on a pedestrian pathway.
- The PCMS shall not be used for any commercial or company advertising. No commercial message may be placed on the panel or the mounting and transportation equipment.

11. FLAGGERS

Flag-personnel are required:

- Where workers or equipment intermittently block a traffic lane, on a two-lane roadway or any other operation where equipment will obstruct the free flow of traffic.
- Where equipment will obstruct the free flow of traffic.
- Where the Department of Transportation determines for safety reasons.

They will be stationed according to MUTCD standards to slow down or stop traffic before they enter the work area.

All pre-warning signs will be placed according to MUTCD standards and guides.

All Flaggers will wear the proper safety equipment. The proper equipment are a class II or class III safety vest (orange, strong yellow, or a fluorescent version of these colors), hard hat, safety glasses, steel toed shoes and an octagonal slow-stop paddle mounted on a five feet or greater staff.

A 24 by 24-inch **RED** flag will be used only in emergency situations with minimal traffic volume. **Replace the flag immediately when a stop/slow paddle becomes available.**

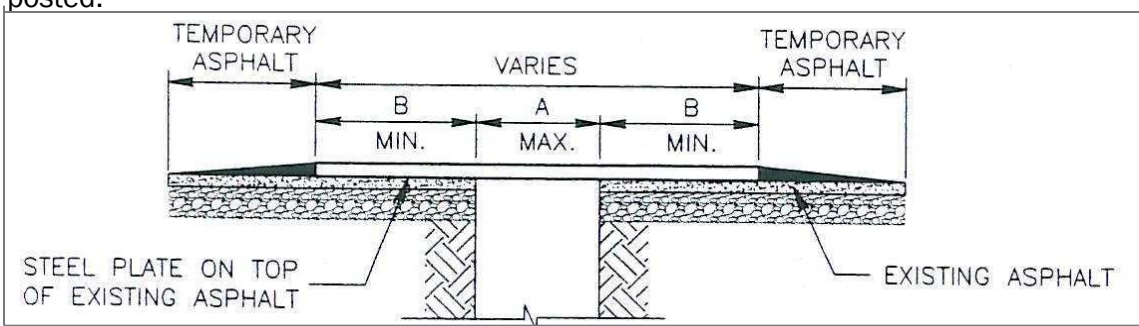
All flaggers shall be properly certified by an appropriate certifying agency. These include ATSSA, IMSA and the City of Tucson for City of Tucson personnel.

12. EXCAVATION AND TRENCHING

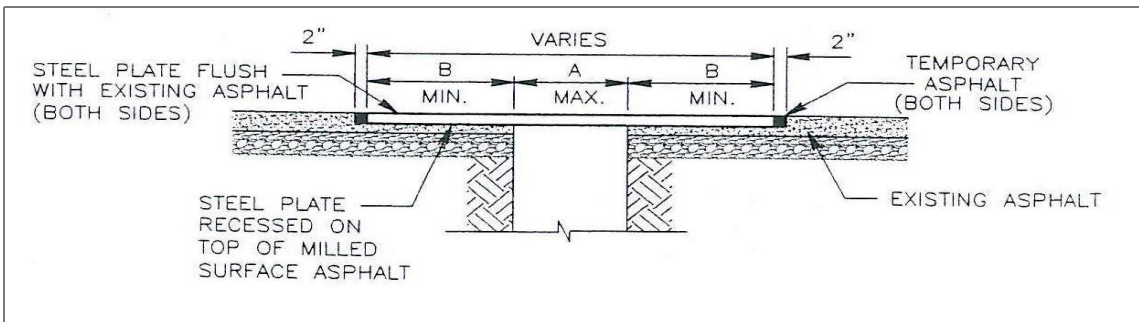
No street, alley, public property or public right-of-way shall be cut, trenched, excavated, bore drilled, improved or removed or any object placed therein by any person without first having a written permit from the City. A excavation application and map can be submitted to TDOT Permit Center for approval.

For excavations in the sidewalk or shoulder area, the excavation shall be covered with a plywood board anchored down with a dirt pile, and the excavation shall be surrounded with a barrier fence. For excavations in the sidewalk area **deeper than four feet**, a chain link fence is required for public safety. A sufficient number of Type 2 barricades equipped with Type A flashers shall be posted at excavations.

On roads posted 25 mph or less, street excavations shall be covered with a steel plate anchored with cold mix. A “bump” sign (W8-1) with a Type A flasher attached shall be posted.



On roads posted over 25mph, street excavations shall be covered with a steel plate, anchored by temporary asphalt that is flush with the existing asphalt.



Open trenches shall be protected by Type 2 barricades equipped with Type A flashers. A barrier fence shall completely surround the trench, supported by Type 2 barricades. For trenches deeper than four feet, a chain link fence shall completely surround the trench.

Caution tape shall not be used to barricade or secure any unattended work zone including excavation or trench. It may be used only as a supplement to mark an orange plastic fence or chain link fence. In an emergency, caution tape maybe used as long as it is replaced as soon as possible with the appropriate fence (barrier or chain link).

For additional information on excavations contact the Department of Transportation, Permit Center at [\(520\) 791-4259](tel:5207914259).

13. PAVEMENT MARKINGS

Under certain circumstances, the use of pavement striping and raised pavement markers may be justified to supplement devices for channelization. On major construction projects where the traffic is diverted for extended periods, pavement striping and markers are required to assure positive delineation and minimize driver confusion.

A traffic lane will not be considered as satisfactorily open to traffic unless it is paved with hot mix or cold mix asphalt paving, as required by the City of Tucson Engineers, if surrounded by, or adjacent to, existing pavement. **The use of cold mix will require daily maintenance to ensure no settlement occurs. Settlement of ½" or more from adjoining pavement is considered unacceptable. Failure to correct any settlement by the end of the day shall result in monetary penalties. Cold mix patches are considered temporary and must be replaced with hot mix within 30 days.** Where pavement did not previously exist or where the entire existing pavement was removed, a traffic lane will not be considered as satisfactorily open to traffic unless it is graded reasonably smooth and maintained dust free.

The Department of Transportation will determine the need for, and extent, of striping removal and re-striping.

All permanent striping shall be coordinated with Traffic Engineering Division five working days in advance.

14. Guidelines for Placement of Traffic Control Devices in Pedestrian Pathways (Sidewalk Closures)

It is the policy of Engineering that a reasonably safe and accessible path of travel is provided for all pedestrians, especially near transit stops including those with disabilities, around and/or through construction sites. **Pedestrians may be allowed to walk in a closed curb lane or parking lane marked by barricades providing that ADA accessibility is maintained.** A physical barrier is normally not needed in urban areas and can create other safety problems.

It is recognized that there are various types of construction activities, including both short-term and long-term projects. Some barricading systems are more appropriate than others in providing reasonably safe, accessible and appropriate pedestrian paths.

When erecting barricades, the contractor shall be conscious of the needs of pedestrians with physical disabilities. The contractor shall provide protection for pedestrians consistent with all local, State, and Federal codes, including the Americans with Disabilities Act (ADA).

Wind-Master style sign stands are not allowed in the Central Business District, Main Gate District, Fourth Avenue District or the Mercado San Augustin District. Engineered, covered sidewalks shall be required in these same districts for sidewalk closures lasting more than one week. The covered shall be open to view from the street for pedestrian security purposes.

Placement of Barricades

The contractor shall erect and maintain for the duration of the work, proper barricades and temporary curb ramps complying with all City, State and Federal access regulations as necessary.

Additional information may be found in the Institute of Transportation Engineers (ITE) "Traffic Control Devices Handbook, 2001 section 13.6" (Accommodation of Pedestrians During Construction) for temporary fencing, barricades or other barriers.

The contractor shall require that no construction material be stored or placed on the path-of-travel. The contractor shall maintain the construction barriers in a sound, neat, and clean condition, and shall remove all graffiti to the satisfaction of Traffic Engineering. The contractor shall also clean daily public walkways adjoining the work zone of accumulated trash and debris.

The contractor's construction operations shall not occupy public sidewalks except where the pedestrian protection is provided, following the requirements herein, and with the regulations of public authorities having jurisdiction. The contractor shall not obstruct free and convenient approach to any fire hydrant, sanitation containers or utility box.

The contractor shall remove barriers and enclosures upon the completion of the work.

Concrete float (temporary ramp) provides for a smooth transition from street to sidewalk for all pedestrians as well as those persons using a wheelchair. (Note: asphalt or other material that will remain in place and support the weight of a person in a wheelchair is acceptable as temporary ramping material.)

Pedestrian pathway closures must comply with the MUTCD standards, the City's standards, and any other special conditions specified by the Director of Transportation. **Any pedestrian pathway within a work zone must have a minimum open width of four (4) feet and shall be made of hard surface.** The pathway must be kept free of trip hazards and debris.

ADA access must be maintained at all times. Using means other than asphalt to maintain ramp access will need prior approval from Engineering.

Concrete Wall (or water barrier):



Pedestrian Bridge:



Use of pedestrian bridges requires that a 4"X 4' level landing area be provided at both ends of the ramp.

15. BIKE LANES

Designated bike lanes that are closed because of construction normally will be replaced by having the bicycle share the travel lane with normal traffic. The sharing of the lane is the most common practice. If conditions permit a signed alternate lane, or a signed detour route (see Section 9) may be considered. However, frequently alternate routes are ignored and most riders share the traffic lanes. A posted sign that alerts the motorist and bicyclist that the travel lane will be shared may be desirable in these cases and are optional. Pedestrian paths are not normally alternate bike routes.

Engineering Permit Center must approve all designated alternate bike routes prior to installation. The contractor will be responsible for removal of hazards and debris on the newly designated route, along with providing maintenance for upkeep.

16. CITY CENTER (DOWNTOWN) BARRICADING POLICY

Due to the development patterns, the high pedestrian volumes and the on-street parking programs in the City Center, somewhat more stringent barricading requirements are necessary. The Park Tucson Division and Sun Link review barricading requests within this area and may apply special conditions as a prerequisite of permit approval. An additional 48 hours will be required for permit review /application within this area.

Sidewalks:

The City Center has very high pedestrian volumes. Easy, convenient pedestrian movement and parking services are a priority for Park Tucson. Complete sidewalk closures during business hours and weekend evenings will not be permitted unless compelling evidence supports the need for such a closure. Engineered, covered sidewalks will be required for projects of reasonable duration with the potential overhead hazards. In some instances, when no other reasonable options are available, on-street parking may be eliminated (see Parking Lanes) in order to provide a safe pedestrian detour adjacent to a sidewalk construction area. In all cases, fully accessible pedestrian access will be maintained to all businesses. Complete sidewalk closures may be permitted during non-peak pedestrian hours. **WindMaster style sign stands are not permitted in the City Center**

Peak Pedestrian hours:

Monday–Wednesday :	7:00 a.m. to 1:00 a.m.
Thursday–Friday :	7:00 a.m. to 3:00 a.m.
Saturday :	4:00 p.m. to 3:00 a.m.
Sunday :	12:00p.m.to 9:00 p.m.

Parking Lanes:

Parking may be temporarily suspended for construction purposes. Advanced notice will be required to allow time to notify/relocate parking customers. Applicants will be required to pay the full fees equal to a 24-hour period for any impacted parking spaces. Saturdays will be charged the same fees as charged for the weekday parking. Parking may be suspended on Sundays and holidays free of charge. Parking spaces adjacent to other businesses not involved in the construction project may not be suspended during business hours for more than one calendar week per month unless written concurrence is obtained from the impacted business(es). Non fee spaces, such as loading zones, para-transit loading zones and bus stops, which are installed for use by multiple users require a fee be paid to Park Tucson for each day excluding Sundays and holidays for temporary suspension of the zone. All fees must be paid in advance for the projected construction period to Park Tucson. These fees are subject to change. Call 791-5071 or see: <http://parktucson.tucsonaz.gov/park-tucson/downtown-construction-loading-information> to determine the fees required to accommodate temporary suspension of parking.

Travel Lanes:

Travel lane barricading requirements within the City Center are the same as the requirements for the remainder of the City. Arrow boards are normally required for any lane closure on all arterial and most collector streets. Some examples are: Broadway Congress, Stone, 6th Ave, Speedway, Campbell and Euclid Avenue. Arrow boards may also be required on all collector streets. Some examples are: 6th St, Alameda, Pennington, Toole, Church, and Main Ave. Peak hour restrictions are also the same as for the remainder of the City.

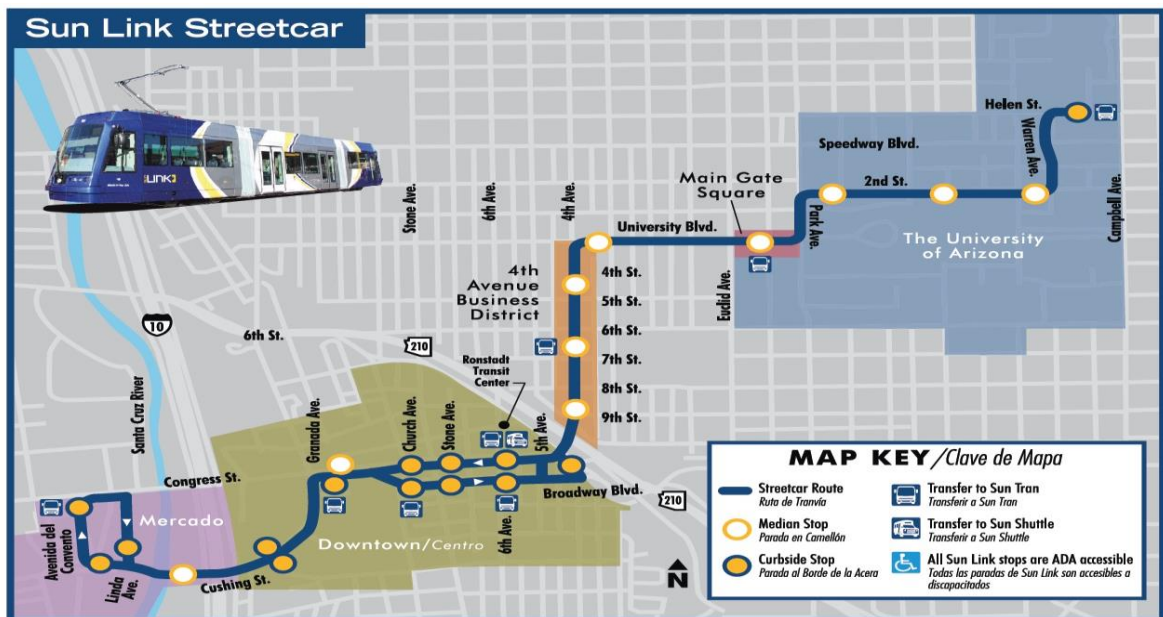
Any lane closure that will affect parking or parking access will be required to secure the parking area as described above. Complete street closures or multi-lane closures are discouraged during business hours and will be reviewed on a case-by-case basis.

Bicycle Lanes:

Bicycle lanes should be maintained, if possible, on established bicycle routes. If they are closed, the most frequent solution will be to utilize the travel lane for both the bicyclist and the vehicular traffic. Shared road signs may be placed to alert approaching traffic of the shared condition, when necessary.

Sun Link Modern Streetcar:

The Sun Link Modern Streetcar provides dependable transportation on a fixed rail system with high voltage overhead wires. Sun Link service cannot be interrupted for any purpose other than emergencies. Special training and certification is required for anyone performing work along the Sun Link Modern Streetcar route. Please contact the Sun Link Operations Control Center (520) 791-3333 or trackaccess@tucsonaz.gov With sufficient notice and coordination with Sun Link, the high voltage overhead wires may be powered down during non-operating hours.



UPDATED 12/2014

17. CIVIC EVENTS

Civic events are common and are supported by the City as both a source of civic pride and an economic development tool. Civic event related street closures will be given priority, in most cases, over non-emergency construction. Contractors performing construction in the central business district may be required to suspend their activities during an approved civic event. In these instances, every effort will be made to notify the contractor well in advance of the need to suspend construction activity. For planning purposes, annual civic events that must be accommodated by non-emergency construction are listed here. This list is intended as a guideline only. One-time, new, or irregularly scheduled civic events may be approved that do not appear on this list.

Event	Dates	Restriction Location
2nd Saturdays	2 nd Saturday, every month	Central Business District
Ft. Lowell Soccer Shoot Out	Third weekend of January	City-wide Parks
Gem Show	Last week of January – the third week of February	I-10 Frontage Rd
Rodeo Parade	4 th Thursday of February	Irvington and Ajo Way
4 th Avenue Spring Street Fair	3 rd week of March – 1 st weekend of April	4 th Avenue
St. Patrick’s Day Parade	March 17 th	Central Business District
Multiple Events	Month of April	Central Business District and City Parks
All Soul’s Procession	1 st Sunday in November (occasionally 2 nd Sunday)	Central Business District
Veteran’s Day Parade	November 11 th	Central Business District
El Tour de Tucson	Saturday before Thanksgiving	Central Business District and City-wide
Peak Shopping Season	Thanksgiving – January 2	City-wide
4 th Avenue Winter Street Fair	1 st or 2 nd weekend of December	4 th Avenue
Holiday Parade	1 st or 2 nd weekend of December	Central Business District

18. CRANE WORK

Cranes are rarely permitted in the downtown area during the hours of 6 a.m.-6 p.m. Monday through Friday. Any work requiring a crane must be coordinated in advance with the TDOT Permit Center.

19. DUMPSTERS AND OTHER HAZARDS

When a refuse collector or mobile storage unit is placed on City of Tucson rights-of-way a City of Tucson Traffic Control Permit is required. City of Tucson right-of-way typically consists of the roadway, sidewalk easement (paved or unpaved) and alley (where access to alleyway is restricted).

Refuse collectors and mobile storage units are considered hazards when placed in the City right-of-way and require a Type II barricade with a Type 'A' flasher at each end of unit. (Any local barricade company can assist with traffic control needs.) Units placed on City of Tucson right-of-way without a permit and traffic control could be subject to fines or impoundment.

20. ADDITIONAL CLOSURES

Detours must comply with MUTCD standards and City standards and any other requirements set forth by the Director of Transportation. Residential **streets or business parking lots** are not to be utilized as detour routes. Detours shall not go through private property, except during an emergency and only with the approval of the property owner.

When the shoulder is being utilized for construction activities, it shall be graded and watered to minimize dust clouds. If the length of the project exceeds 72 hours, paving of the shoulder may be required.

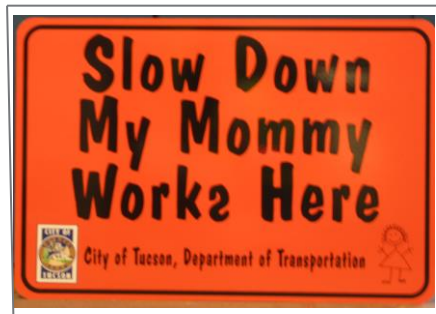
When public roadways, or portions of roadways are closed, but workers are not present **and there are no visible driving hazards signs are required** indicating work in progress. "Wet Paint" signs are **required** for striping on public streets. "Wet Concrete" signs are **required** when raising utilities and manhole repairs. Both signs alert the public and alleviate confusion why workers may not be present.

21. SPECIALTY SIGNAGE

A. Standards and Guidelines for “Slow Down My Mommy/Daddy Works Here” Sign

- The sign shall be mounted on a NCHRP 350 compliant stand.
- The sign sheeting shall be standard engineering grade.
- The lettering shall be black on orange background.
- A Type A warning light shall be mounted on the sign stand.
- Before the sign is placed, an approved traffic control plan shall be required showing the placement of the sign.
- The City of Tucson will distribute the signs to contractors for City projects. Contractors are responsible for returning the signs once the project is completed.

Sign Measurement: 24” X 36”
Lettering: 5” high
City of Tucson Seal 5”



B. Standards and Guidelines for “City of Tucson at Work” Sign

- The sign shall be mounted on a NCHRP 350 compliant stand.
- The sign sheeting shall be standard engineering grade or greater.
- The lettering shall be black on orange background.
- A Type A warning light shall be mounted on the sign stand.
- Before the sign is placed, an approved traffic control plan shall be required showing the placement of the sign.
- The City of Tucson will distribute the signs to contractors for City projects. Contractors are responsible for returning the signs once the project is completed.



Sign Measurement: 36” X 36”
City of Tucson Seal 7.5”
Lettering: CITY OF 4” high
Lettering: TUCSON 6.5” high
Lettering: AT WORK 4” high

C. Standards and Guidelines for “Share The Road With Care” Sign

- The sign and supplemental plate shall be mounted on a NCHRP 350 compliant stand.
- The sign sheeting shall be standard engineering grade or greater.
- The lettering shall be black on orange background.
- A Type A warning light shall be mounted on the sign stand.
- Before the sign is placed, an approved traffic control plan shall be required showing the placement of the sign.
- The sign and supplemental plate should be posted in the area where the transition starts closing a bike lane.
- A smaller W11-1, with W16-1 with BIKE LANE ENDS may be used if space is limited.

**“Share The Road With Care”
Sign Measurement: 36” X 36”
Lettering: 4.5” high**

**“Bike Lane Ends”
Sign Measurement: 18” X 24”
Lettering: 4” high**



22. SPEED REDUCTIONS

City of Tucson, Department of Transportation Standards and Guidelines for “\$250 Fine in Work Zone” Sign

The following guidelines shall be followed when placing the “\$250 Fine in Work Zone” sign.

- Utilization of this sign must be approved by the TDOT Permit Center
- The sign shall be mounted on a NCHRP 350 compliant stand.
- The sign sheeting shall be standard engineering grade or greater
- The lettering shall be black on white background.
- A Type A warning light shall be mounted on the sign stand.
- Before the sign is placed, an approved traffic control plan shall be required showing the placement of the sign.
- The sign shall be placed after the W20-1 sign and at the end of the construction zone (for speed enforcement). The spacing of the signs shall be based on the suggested advance warning sign spacing found in the Part VI of the Manual on Uniform Traffic Control Devices (MUTCD).
- The sign shall be used only on arterial or collector streets, hazardous areas, or high volume roadways. It is not necessary that the posted speed limit be reduced when the sign is placed.
- Regulatory speed limit signs, whether posted or temporary, shall be clearly posted at an appropriate distance before the W20-1 sign in the work zone.

Sign Measurement: 24” X 36”
Lettering: 5” high



23. ARTERIAL AND COLLECTOR ROADWAYS

The following are arterial streets, by direction. Please refer to the city website for the City of Tucson [Major Streets and Routes Plan](#).

Arterial and Collector Streets – (North and South Directions)

Arterial **North to South**

Alvernon Way
Bear Canyon Rd
Camino Seco (Wrightstown Rd to 22nd St)
Campbell Ave
Catalina Hwy
Church Ave
Country Club Rd
Craycroft Rd
Euclid Ave
1st Ave
Flowing Wells Rd
Grande Ave
Harrison Rd
Houghton Rd
Kino Park Way
Kolb Rd
Main Ave
Midvale Park
Mission Rd
Nexus Rd
Old Nogales Hwy
Oracle Rd
Palo Verde Rd (Bilby Rd to Valencia Rd)
Pantano Rd
Pantano Parkway (22nd St to Golf Links Rd)
Park Ave (Broadway Blvd to Valencia Rd)
Rita Rd
Sabino Canyon Rd
Silverbell Rd
Stone Ave
Swan Rd
6th Ave
10th Ave (22nd to 44th St)
12th Ave
Tucson Blvd (Irvington Rd to Los Reales Rd)
Wilmot Rd

Collector **North to South**

Bonaza Ave
Calle Santa Cruz
Camino Seco (Golf Links Rd to Irvington Rd)
Columbus Blvd (Ft Lowell Rd to 29th St)
Fairview Rd
Granada Ave
Greasewood Rd
La Cholla Blvd
Main Ave
Mountain Ave (Roger Rd to Speedway Blvd)
Oak Tree Dr
Park Ave (Ft Lowell to Speedway Blvd)
Players Club Dr
Prudence Rd
Ridgeside Dr
Romero Rd
Rosemont Blvd (Grant Rd to Broadway Bl)
Sarnoff Dr
Toole Ave
Tucson Blvd (Prince R to 22nd St)

Arterial and Collector Streets – (West and East Directions)

Arterial

West to East

Ajo Way
Anklam Rd
Benson Hwy
Broadway Blvd
Camp Lowell
Congress St
Drachman St
Drexel Rd
El Camino del Cerro
Escalante Rd
Drexel Rd (Campbell Av to Country Club Rd)
Fort Lowell Rd
Glenn St
Golf Links Rd
Goret Rd
Grant Rd
Hermans Rd
Hughes Access Rd
Ironwood Hill Dr
Irvington Rd
Los Reales Rd
Mary Ann Cleveland Way
Miracle Rd
Old Spanish Trail (Sarnoff Dr to Melpomene Way)
Old Vail Rd
Prince Rd
Rita Rd
River Rd
Saint Mary's Rd
Speedway Blvd
Starr Pass Blvd
Tanque Verde Rd
36th St
29th St
22nd St
Valencia Rd
Voyager Rd
Wetmore Rd
Wrightstown Rd

Collector

West to East

Alameda St
Bilby Rd
Cushing St
Drexel Rd (Mission Rd to Campbell Ave)
Elm St (Campbell Ave to Country Club Rd)
Elvira Rd
5th St (Country Club Rd to Wilmot Rd)
Glenn St (Flowing Wells to Craycroft)
Kenyon Dr
Pima St (Country Club Rd to Wilmot Rd)
Roger Rd
San Juan Tr
Silverlake Rd
6th St (Stone Ave to Country Club Rd)
Stella Rd
36th St
Toole Ave
29th St
University Blvd

24. HOLIDAY RESTRICTION SCHEDULE

Holiday Restrictions

Thanksgiving Day to January 2

A NOTICE OF TEMPORARY RESTRICTION TO ALL APPLICANTS, CONTRACTORS, UTILITIES, AND GOVERNMENT ORGANIZATIONS

Due to the ever-increasing traffic volume on many of the City's roads, it is necessary to restrict lane closures on certain roads during the holiday season. **These restrictions will be in place from Thanksgiving to one day after New Year's.** Engineering may not issue a barricading permit for any project that occurs on any of the following roads. Engineering will grant an exception for documented emergency work or on-going construction work. **Exceptions will be evaluated on a case-by-case basis.**

➤ Ajo Way	Mission Rd to Country Club Rd
➤ Alvernon Way	Fort Lowell Rd to 36 th St
➤ Broadway Blvd	I-10 Frontage Rd to Pantano Rd
➤ Campbell Ave	River Rd to 22 nd St
➤ Craycroft Rd	Grant Rd to Golf Links Rd
➤ 1 st Ave	Rillito River Bridge to Grant Rd
➤ Golf links Rd	Swan Rd to Kolb Rd
➤ Grant Rd	I-10 Frontage Rd to Tanque Verde Rd
➤ Irvington Rd	Mission Rd to Tucson Blvd
➤ Kino Parkway	22 nd St to I-10
➤ Kolb Rd	Tanque Verde Rd to Golf Links Rd
➤ Oracle Rd	River Rd to Drachman St
➤ Park Ave	29 th ST to I-10
➤ Prince Rd	I-10 Frontage Rd to Tucson Blvd
➤ Roger Rd	Flowing Wells Rd to N 1 st Ave
➤ 6 th Ave	I-10 to Irvington Rd
➤ Speedway Blvd	I-10 Frontage Rd to Kolb Rd
➤ Stone Ave	River Rd to Wetmore RD
➤ Swan Rd	Rillito River Bridge to Golf Links Rd
➤ Tanque Verde Rd	Wilmot Rd to Pantano Rd
➤ 22 nd St	Kino Parkway to Prudence Rd
➤ Valencia Rd	Mission Rd to Country Club Rd
➤ Wetmore Rd	Flowing Wells Rd to N 1 st Ave
➤ Wilmot Rd	Tanque Verde Rd to Golf Links Rd

Restrictions will be in place for the month of February for areas that involve the Gem Show Event.

❖ **Gem Show** I-10 Frontage RD

Holiday restricted streets are updated annually, please review website for any additional changes: <http://tdot.tucsonaz.gov/tdot/traffic-engineering-division> For additional information, feel free to contact the TDOT Permit Center at (520) 791-4259

25. CIVIL SANCTIONS FOR TEMPORARY TRAFFIC CONTROL VIOLATIONS

The following is a list of civil sanctions for violations of the Temporary Work Zone and Traffic Management ordinance.

\$1500	Presenting an imminent risk of death or injury to the public within public right-of-way
\$1000	Restricting roadway without proper certification or without a barricading permit for more than thirty (30) minutes
\$1000	Restricting traffic during peak hours without permission from the Director of Transportation
\$1000	Failing to correct or cure violations with the time period stated in a warning notice
\$1000	Restricting traffic at signalized intersections without active work occurring within thirty (30) minutes of the restriction
\$500	Violating restriction limits or times and/or locations as contained in the barricading temporary use permit
\$250	Leaving advance warning signs facing traffic more than forty-five (45) minutes after the restriction has been removed
\$250	Leaving traffic control devices in the right-of-way for twenty-four (24) hours after temporary barricading permit expires
\$250	Failure to comply with the use of MUTCD and/or NCHRP 350 compliance devices

- The civil sanctions provided above shall be tripled in the event that a valid permit has not been obtained for the work that constitutes the infraction per Chapter 25 Sec. 25-92 Violations and Civil Sanctions.

26. IMPORTANT AGENCY PHONE LISTINGS

Arizona Department of Transportation-A.D.O.T _____ (To obtain permits for state routes)	388-4237
Blue Stake Utility Line Marking _____ (To obtain utility clearances prior to excavating)	811
Cat Tran Shuttle _____ (Notification for any work within 100 feet of a signed bus stop or with route disruptions)	626-7275
City Communications _____ (Complete street closure and emergency service notification)	791-4512
City of South Tucson _____ (To obtain permits for the City of South Tucson)	792-2424 ext.. 313 or 520
City of Tucson Environmental Services _____ (Alley closure notification)	791-3171, Disp. 940-7860
Civic Events Office _____ (To obtain a Civic Event permit)	837-8011
Computer Signal Section _____ (For any work within 400 feet or less of a signalized intersection)	791-4259
Engineering _____ (To obtain a right-of-way permit for excavation and or traffic closure)	791-4259
Park Tucson _____ (Plan review and questions concerning the City core area)	791-5071
Pima County Engineering _____ (To obtain permits for Pima County)	740-2650
Pima County Sheriff's Department _____ (To obtain off-duty traffic control in Pima County right of way)	351-4629
Pima County Wastewater _____ (Notifications for work required near services)	724-6500
Southwest Gas _____ (Notifications for work required near services)	889-1888

IMPORTANT AGENCY PHONE LISTINGS CONT'D

Streets and Traffic Maintenance _____ **791-3154**

(Blue stake and location of city signs that are removed)

Sun Link _____ **791-3333, Disp. 206-8934**

(To obtain a Track Access Training Card and or permit to work on or near the system)

Sun Tran _____ **623-4301**

(Notification for work within 100 feet of a signed bus stop or with route disruptions)

Tucson Electric Power _____ **623-7711, Emer. 623-3451**

(Notifications for work required near services)

Tucson Police Department _____ **791-4855**

(To obtain off-duty traffic control)

Tucson Unified School District Transportation _____ **225-4800**

(Notification for route disruptions)

Tucson Water _____ **791-5269, Emer. 791-4133**

(Notifications for work required near services)

University of Arizona _____ **621-3710**

(To obtain permits for the University of Arizona streets)

University of Arizona Police Department _____ **621-8273**

(To obtain off-duty traffic control in the University right of way)