



Public Works | *Development Engineering*

TRAFFIC CONTROL GUIDELINES

PLAN PREPARATION:

1. All plans submitted electronically shall be pursuant to this document and the E-Plan Submittal Requirements at:
<http://www.cityofirvine.org/cityhall/pw/deveng/default.asp>
2. All plans shall be prepared on 24"x36" (full size) or 11"x17" (half size) bond with a ½" margin on all sides except the left side which shall be 1 ½".
3. Plan shall be prepared using AutoCAD 2010 (or later version). The plan shall be provided to the City of Irvine as a PDF file on an acceptable media device (USB, DVD, CD, etc.) upon completion of the design.
4. All full size plans shall be 1"=40' scale. All half size plans shall be 1"=80' scale.
5. North arrows should point to the top or right of the sheet.
6. All sheets shall be numbered consecutively, "Sheet ____ of ____," in the lower right of the plan.
7. All lettering shall be 1/10" minimum height and be legible when plans are reduced to 11"x17".
8. Plan shall include engineering firm name, address, telephone number, date plans prepared, signature, and number of Registered Civil or Traffic Engineer.
9. All stationing shall be based upon record centerline information and refer to centerline of street unless otherwise noted and shall read from left to right.
10. All plans shall include the City of Irvine traffic control general notes (see page 3). Construction notes and a legend shall also be included.
11. All existing regulatory, warning, guide and any special signs shall be shown. This includes parking prohibition signs, advance street name signs, bus stop signs etc. All existing sign locations shall be field verified. Signs to be temporarily covered (bagged) or removed and reinstalled shall be identified.
12. All existing striping, pavement markings and curb markings shall be shown, including bike lanes, parking layouts, crosswalks and limit lines. Locations and types of existing striping and pavement markings shall be field verified.
13. All streets within the project limits shall be identified with proper street names to ensure proper orientation. A vicinity map and location map shall be included on the title sheet.
14. All traffic signals within the project area shall be identified on the plan. Construction related temporary traffic signal modifications shall be shown on a separate traffic signal plan, prepared according to the latest edition of "Section 104 - Traffic Signals" located in City of Irvine Standard and Design Manual.
15. Posted speed shall be shown at all approaches to the work area.
16. Road closures, trail closures, detours, bore and jack operations, weekend work and/or night work requires prior written permission from the City.

17. Lane dimensions shall be shown at 300-foot intervals and at each end of lane or pavement transitions, match lines and join locations. Also, show length of turn lanes, flares, reverse tapers.
18. Jurisdictional boundaries, street names, curb, driveways, centerlines and stations, alleys, raised medians shall be shown.
19. Minimum of 500 feet of roadway with striping details beyond project limits (showing join points) shall be shown.
20. All proposed sign locations shall be dimensioned.

GENERAL NOTES

The following general notes shall be provided on the first plan sheet of the Traffic Control Plans:

1. ALL TRAFFIC CONTROL WORK AND TRAFFIC CONTROL DEVICES FOR CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF:
 - THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (CA MUTCD),
 - WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH MANUAL),
 - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREENBOOK"
 - ALL O.S.H.A. REQUIREMENTS.
 - CALIFORNIA VEHICLE CODE
2. ALL TEMPORARY SIGNING AND STRIPING SHALL CONFORM TO THE LATEST CA MUTCD, "GREENBOOK" SPECIFICATIONS AND THE CITY OF IRVINE'S LATEST "SIGNING AND STRIPING GENERAL NOTES". REMOVAL OF CONFLICTING STRIPING SHALL BE BY GRINDING OR SANDBLASTING, UNLESS OTHERWISE APPROVED.
3. NO WORK INVOLVING LANE CLOSURES SHALL BEGIN BEFORE 9:00 AM OR CONTINUE AFTER 3:00 PM ON ALL STREETS, UNLESS OTHERWISE APPROVED.
4. NO WORK IS PERMITTED ON WEEKENDS, HOLIDAYS AND OBSERVED HOLIDAYS UNLESS OTHERWISE APPROVED IN THE TRAFFIC CONTROL PLANS HEREIN AND APPROVED BY AND COORDINATED WITH THE CITY INSPECTOR.
5. DURING NON-WORKING HOURS OR WHEN WORK IS NOT SCHEDULED, ALL ROADWAY LANES SHALL BE RETURNED TO THEIR FULL TRAFFIC USE BY PLATING OR BACKFILLING AND PAVING THE OPEN TRENCHES UNLESS OTHERWISE APPROVED BY THE CITY INSPECTOR. AT THE END OF THE WORKDAY, THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NOT IN USE.
6. WHEN THE TRAFFIC CONTROL PLANS HAVE BEEN APPROVED FOR 24 HOUR LANE CLOSURES, THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC CONTROL DEVICES. WARNING LIGHTS SHALL BE INSTALLED ON ALL TRAFFIC CONTROL DEVICES.
7. SAFE, ADEQUATE, CONTINUOUS AND UNOBSTRUCTED PEDESTRIAN, VEHICULAR AND EMERGENCY ACCESS SHALL BE MAINTAINED, UNLESS OTHERWISE APPROVED BY THE CITY INSPECTOR.
8. THE CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED BY THE CITY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL RESTORE ALL PROPERTY DAMAGED OR REMOVED DURING CONSTRUCTION TO THE SATISFACTION OF THE CITY INSPECTOR.

11. THE CONTRACTOR SHALL TELEPHONE THE CITY OF IRVINE INSPECTIONS (949) 724-6329 AT LEAST FOUR (4) WORKING DAYS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL DEVICES.
12. FLASHING ARROW BOARDS SHALL BE USED FOR EACH TRAFFIC LANE OR BIKE LANE CLOSURE.
13. THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES.
14. THE CONTRACTOR SHALL MAINTAIN AT LEAST TWO LANES OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION ON ARTERIAL HIGHWAYS UNLESS OTHERWISE APPROVED HEREIN.
15. THE CONTRACTOR SHALL NOTIFY BY E-MAIL THE CITY OF IRVINE TRAFFIC RESEARCH AND CONTROL (ITRAC), SIGNAL OPERATIONS AND MAINTENANCE, POLICE DEPARTMENT (PUBLIC SAFETY), TRAFFIC ENGINEERING, CD INSPECTION AND CIP INSPECTION (IF APPLICABLE), FOUR (4) WORKING DAYS PRIOR TO COMMENCING ANY WORK WITHIN 250 FEET OF ANY SIGNALIZED INTERSECTION (MEASURED FROM THE NEAREST CURB), IMPLEMENTING ANY ROAD CLOSURE, AND/OR IMPLEMENTING ANY DETOUR OF TRAFFIC.
E-MAIL NOTIFICATIONS SHALL BE SENT TO: RoadWorkCoordination@cityofirvine.org
16. THE CONTRACTOR SHALL NOTIFY HOMEOWNERS ASSOCIATIONS, BUSINESSES, AND RESIDENTS WITHIN A ¼ MILE OF THE PROJECT LIMITS, AND THE CITY OF IRVINE TWO (2) WEEKS PRIOR TO IMPLEMENTING ANY CONSTRUCTION WORK INVOLVING APPROVED: NON-WORKING HOURS, WEEKEND WORK, ROAD CLOSURES, AND/OR DETOURS. NOTIFICATIONS FOR OTHER TYPES OF WORK MAY ALSO BE REQUIRED AS DETERMINED BY THE CITY.
17. AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PROVIDE PORTABLE CHANGEABLE MESSAGE BOARDS IN ALL DIRECTIONS OF TRAVEL (INCLUDING SIDE STREETS), TO WARN THE PUBLIC OF THE WORK.
18. IN ADDITION TO THE ABOVE, THE CONTRACTOR SHALL REFER TO THE STANDARD CONDITIONS AND REGULATIONS FOR ENCROACHMENT/MISCELLANEOUS CONSTRUCTION PERMITS.