




**GARDEN GROVE**

**STANDARD PLANS  
AND  
SPECIFICATIONS  
2015 EDITION**

**CITY OF GARDEN GROVE  
PUBLIC WORKS DEPARTMENT**



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**STREET PERMIT REQUIREMENTS**  
**48 HOUR NOTICE IS REQUIRED PRIOR TO THE START**  
**OF ANY WORK TO BE PERFORMED**  
**714.741.5887**

**General Conditions**

1. All work shall conform to the City of Garden Grove Standard Plans and Specifications, as well as the Standard Specifications of the State of California Department of Transportation, latest edition.
2. Compaction testing of native material, aggregate base, and asphalt shall be provided by the permittee to the City Engineer for longitudinal and transverse trenches located within the public right-of-way. Written results of said testing shall be furnished to the City Engineer. The use of one-sack of cement per cubic yard of sand slurry backfill may be substituted for native backfill.
3. The contractor shall be responsible for protecting all existing utility lines, infrastructure, or landscaping in place and shall bear any expense for repair to said facilities.
4. The contractor shall be responsible for protecting or replacing existing landscaping in public rights-of-way. Notify the Department of Public Works at (714) 741-5887, 48 hours prior to excavation in medians or landscaped areas.
5. Contractor shall submit a certificate of insurance for worker's compensation, general liability and automobile liability. General liability and automobile liability shall each be in the amount of one million dollars and the general liability must include an endorsement designating the City of Garden Grove as additional insured.
6. Permittee must notify Underground Service Alert (USA) by calling 811 at least 48 hours prior to start of work. USA ticket must be available at job site. Permittee shall remove all USA markings upon completion of work.
7. All new utility cable, conduit, or pipe shall provide a minimum clearance of 5 feet horizontal and 1 foot vertical spacing of any proposed or existing water or sewer main and their appurtenances. Any type of above-ground utility structure shall not be allowed within 5 horizontal feet of any water or sewer related facility. Variance to these minimum clearances require approval of Water Services on a case-by-case basis.
8. All utilities shall be installed with a minimum cover of 30 inches below flow line of adjacent curb and gutter.
9. The contractor shall be responsible for shut down of fire hydrants. Notify the Department of Public Works Water Operations Superintendent at (714) 741-5348, 24 hours prior to excavating within ten feet of a fire hydrant.
10. All permitted work shall be initiated and completed within 6 months from the date of issuance; otherwise the permit shall become null and void. All class "A" and "B" permits shall expire and be cancelled sixty (60) calendar days after the date on which actual construction of the work was commenced, unless a longer construction period is specified in the permit, in which case permit shall expire at the end of the

longer period specified therein. No street lane closures will be allowed during the Christmas season, starting at the beginning of Christmas week through January 1.

11. For any vertical obstruction (including utility cabinets, power poles, street light poles, sign posts, etc.) the minimum clearance from the curb face shall be 18 inches.

### **Concrete Replacement**

12. Permittee shall replace in-kind any broken pavement, curb, gutter, sidewalk or other concrete improvements adjacent to the work, which are undermined, damaged, or displaced due to the contractor's performance of the work. A permit to do work in the right-of-way is not authorization to cut a street unless the approval to cut the street is specified on the permit.
13. Tunneling of curbs, gutters, sidewalk, or other structures where air voids may be created will not be permitted. Jacking, pushing, and boring are acceptable.
14. For damage done to any sidewalk, the contractor shall replace full-width sidewalk to the nearest score mark for excavations in sidewalk areas.
15. A licensed Land Surveyor shall restore any survey reference points or monuments after the work is complete in accordance with section 8771 of the Business and Professions Code.
16. New concrete, which is vandalized or marked prior to acceptance by the City, shall be replaced to the satisfaction of the City Engineer. Grinding, patching, or other remedies will not be permitted.
17. Sawcut slurry shall be vacuumed immediately and shall not be allowed to leave the jobsite by any other means.

### **Street Resurfacing and Backfill**

18. All trenches shall be neatly saw cut to a minimum depth of 2 inches. Existing asphalt pavement shall be cut by a device capable of making a neat, straight and smooth cut. For cuts greater than 600 feet in length, the entire area of work may be subject to additional resurfacing requirements as determined by the City Engineer.
19. Minimum pavement replacement sections shall be 6 inches asphalt concrete over 12 inches of class II 3/4 inch aggregate base for arterial streets. Pavement replacement sections for residential streets shall match existing pavement using a minimum criteria of 4 inches AC over 6 inches AB. The final course of asphalt shall be machine laid to achieve minimum 95% relative compaction and meet a smoothness standard of no more than one eighth of an inch plus or minus deviation in ten feet. Narrow longitudinal trenches located outside travel lanes, which exceed 6 inches wide shall be milled one inch to adequate width to allow use of a paving machine. A "T" cap will be utilized on all streets where the excavation affects a travel lane pursuant to City of Garden Grove "Standard Street Resurfacing and Trench Backfill Detail No. B-134, Case A.
20. Base course asphalt shall be Type B PG 70-10, surface course asphalt shall be Type C2 PG 70-10, and leveling course shall be Type D2 PG 70-10 per Section 203-6.4 of the Standard Specifications for Public Works Construction ("Greenbook"), latest edition. Thickness for base course shall be greater than 3", surface course shall be greater than 1" and less than equal to 3", and leveling course shall be less than 1". Tests for compaction, gradation, and oil content shall be supplied by permittee as required by the City Engineer.

21. For longitudinal trenches, no strip of asphalt pavement, which is three feet wide or less, shall remain between the trench line and lip of gutter. The asphalt in this area shall be removed and replaced with the adjacent trench paving.
22. There is a four (4) year moratorium on any trenching / street work once a street has been resurfaced. Street rehabilitation projects are often federally funded and mandate such a restriction.
23. All excavations must be backfilled by the end of each workday. Temporary paving shall be installed and compacted at the end of each day. Steel plates are acceptable provided the plates are sized to support traffic loading, anchored, and are skid resistant per Garden Grove Standard Plan No. B-138. **These steel plates shall remain in place a maximum of five (5) days; after which time the plates shall be removed and the trench backfilled.** For trenches exceeding 600 feet, a permanent hot-mix asphalt patch shall be placed beginning within two (2) working days of completion of backfill. Final paving requirements shall be performed within thirty (30) calendar days of completion of backfill.
24. No excavation within five (5) feet of the traveled way shall remain open longer than is necessary to perform the work.

At the end of each working day, if a difference in excess of 4 inches exists between the elevation of the existing pavement and the elevation of the material within the excavation and the trench lies within five feet of the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the traveled way to the satisfaction of the Engineer.

The material shall be placed to the surface of the existing pavement and tapered at a slope of 4:1 or flatter to the bottom of the excavation. During excavation operations, native material may be used for this purpose; however, once the placing of the structural section commences, structural material shall be used.

25. The City of Garden Grove may take samples from the construction materials delivered to the site. Materials not conforming to the specifications shall be removed and replaced at the contractor's expense.
26. A street permit is not required prior to emergency street cuts by utility companies to restore service or eliminate hazardous conditions. In case of emergency work, notify Public Works Permits at (714) 741-5887. However, utility companies are required to secure a permit to restore the street after the fact.
27. All temporary paving shall have a minimum 2 inches of AC on residential streets and 3 inches on non-residential.

### **Traffic Control**

28. Temporary traffic control during construction shall conform to the latest edition of the CaMUTCD and the requirements of the City Traffic Engineer.
29. A traffic control plan shall be submitted for approval prior to construction for work affecting arterial streets. The plan shall detail lane lines, islands and medians, street intersections and driveways. A licensed civil or traffic engineer may be required to sign the plans as directed by the City Traffic Engineer.
30. The contractor shall be responsible for protection of traffic signal detector loops. Notify the City Traffic Engineering Division at (714) 741-5192, 48 hours in advance prior to excavating within 600 feet of a signalized intersection.

31. All traffic control devices shall remain in effect during construction.
32. A Caltrans Type I flashing arrow board is required for each lane closure on an arterial street.
33. All damaged raised pavement markers; traffic striping, legends, or traffic loops shall be replaced to the satisfaction of the City Traffic Engineer.
34. Working hours where a lane closure involves an arterial type street will be limited to the hours between 9:00a.m. and 3:30p.m or as modified by the City Traffic Engineer.
35. Maximum spacing of delineators in a taper area shall be 25 feet. Maximum spacing of delineators in a tangent area shall be 35 feet.
36. All businesses and property owners affected by work shall be notified at least 24 hours prior to start of construction. **Access to businesses and residences shall be maintained at all times.**
37. Failure to adhere to working hours or traffic control requirements shall result in suspension of work until adequate arrangements can be made to ensure public safety and convenience meeting the approval of the City Traffic Engineer.

revised 5/28/15

