



Utility Encroachment General Conditions

*Encroachment Permits may be revoked at the discretion of the Road Commissioner.
These conditions apply only to work performed in the County road right-of-way.*

Acceptance of Provisions: It is expressly understood and agreed by the Permittee that the work performed under this Encroachment Permit constitutes an acceptance of all the applicable provisions.

Caltrans Specifications: Caltrans Standard Specifications, Standard Plans, Manual of Uniform Traffic Control Devices (MUTCD) and the 2012 MUTCD California Supplement shall apply in addition to Chapter 12.08 of the Calaveras County Code.

No Precedent Established: This Permit is granted with the understanding that it does not establish any precedent for future encroachment Permits.

Plans: The Permittee shall furnish plans to the Public Works Department with the initial application showing project location, construction details, and a traffic control plan. Failure to include detailed construction plans shall be reason to deny the Permit, or could cause a delay in approval. Plans shall minimally include dimensions, construction details, property and right-of-way limits, etc. The approved plans shall become a part of this Permit.

Permittee may be required to delineate the proposed project (poles, trenches, vaults, pedestals, etc.) in the field for the County's review prior to Permit approval.

Prior Notice of Work Start: The Permittee shall notify the Department of Public Works at 754-6402 at least **48 hours** (two working days) *prior* to any work being done under this Permit. Failure to provide proper prior notice could result in a violation for the Permittee.

Permit on Job Site: The Permit or copy thereof shall be kept at the job site during the performance of any Permitted work and shall be produced upon the request of any Road Department representative or law enforcement officer. It is the Permittee's responsibility to ensure that their contractor has a copy of the Permit at the job site.

Permits from Other Agencies: The Permittee shall, whenever required by law, secure the consent to do the work from the Public Utilities Commission of the State of California, or any other public agency having jurisdiction thereover. The Permittee shall secure written consent to perform work from the person who may hold fee title to the lands traversed by the roadway as named in the Permit. *The Department of Public Works cannot grant permission for construction in areas of non-described rights-of-way.*



Traffic Control: Adequate provisions shall be employed for the protection of the traveling public in accordance with the County Code, MUTCD, and the California Supplement to MUTCD, and shall include, but not be limited to:

1. Work shall be done during normal working hours and clear-weather conditions except in emergencies.
2. Barricades equipped with yellow flasher lights or reflective cones shall be used to delineate the construction zone at night.
3. Barricades, cones, traffic control signs, and properly equipped flaggers shall be used during daylight hours.
4. Approved directional signs through the work area are required for both day and night.
5. *No open trenches* or pits are allowed during night hours, weekends, or holidays, unless with the prior approval of the County and secured with approved traffic trench plates with cold-mix wedges.
6. At least one-way controlled traffic shall be permitted through the work area at all times, and full two-way traffic shall be opened up for nighttime, weekends, and holidays.
7. It is the contractor's responsibility to maintain construction zone traffic controls through the nights, weekends, and planned down times.
8. A traffic control plan shall be submitted with the Permit application.
9. Attention is directed to and the Permittee shall comply with the provisions of Chapter 12.08.300 of the Calaveras County Code (Safety).
10. No materials or equipment shall be stored within eight feet of the edge of pavement or on private property without prior written permission from the property owner.

Trenching in the Right-of-Way: As much as possible, underground work shall be confined to the shoulder area outside of the traveled way. Trenches in shoulder areas shall be finished with a minimum of four inches of 3/4-inch Class II aggregate base or as directed by the County.

Cross-trenches under paved roads shall be bored. A minimum of four bore attempts is required before open trenching will be allowed. Facilities that are bored in shall be at least 36 inches deep.

All open trenches shall be inspected. All new trenches shall be on the **cut** side of a mountainous roadway as directed by the County.

Contractor must designate their trench spoils disposal site prior to excavation to the satisfaction of the County. It is the permittee's responsibility to secure a disposal site and permission to use that site.

Backfill and Compaction: Slurry cement backfill ('two-sack,' per 19-3.02D of the 2010 Caltrans Standard Specifications) shall be required in trenches under asphalt-concrete surfaces and may be required in other road crossings or in steep slopes as directed by the County.

All water and sewer lines shall be bedded in sand a minimum of six inches under the pipe and a minimum of three inches over the pipe or per the specifications of the utility company. The minimum relative compaction for backfill shall be 95%. Backfill shall be placed in lifts not to exceed eight inches and compacted with a suitable mechanical compaction device. Compaction testing is required except when slurry is used. Jetting is not allowed.

Minimum Cover: The *minimum* cover over any utility facility *shall be 36 inches*.

Roadside Clearance: No above ground utility facility will be allowed in a ditchline or within five feet of the traveled way, and in no case shall any above ground facility be installed without the County's specific approval as to the exact location.

Repair of Base and Pavement: The existing pavement shall be saw-cut prior to any trench excavation. This applies to any part of the trench that is within 3 feet of the existing edge of pavement. The restored structural section shall match the existing structural section of the road, but in no case shall it be less than two inches of 1/2-inch asphaltic concrete over four inches of 3/4-inch Class II aggregate base (no base rock is required when slurry backfill is used).

A tack coat of emulsified asphalt shall be applied to all edges/surface of old pavement prior to placement of new asphalt concrete surface material. All asphalt concrete shall be placed in no more than 2-inch deep lifts. It shall be rolled and compacted with a steel drum roller or vibrator plate type compactor to a smooth even finish to the vertical and horizontal lines of the contiguous existing surface. Cold mix or cut-back surfacing will not be permitted except as a temporary repair for traffic safety. The surface shall be completed with hot asphalt concrete as soon as practicable and in no case any longer than sixty calendar days. All final hot asphalt repairs shall be satisfactorily completed within sixty days of excavation. Any road or area containing a chip seal shall be re-chip sealed.

Precaution shall be taken to prevent damage to the surrounding area. Any such damage such as gouges, breaks, and depressions resulting from the Permitted work shall be repaired prior to final acceptance. If there are any previously existing suspect areas within the construction zone, the Permittee is strongly encouraged to photograph the site prior to construction.

Buried Cable Installation: Plowing-in of cables will not be permitted when the road surface is asphalt-concrete. Plowing-in in the shoulder area *may* be permitted when road surface consists of oil, chip, gravel, or earth as determined by the County. Plowing-in will not be permitted within three feet of the edge of the traveled way, and in no case will it be allowed on the fill side of a mountainous roadway.

Cable markers shall be placed every one-tenth mile longitudinally and on both sides of transverse locations. Additional cable markers shall be placed at culvert pipe locations. The minimum cover requirement of 36 inches applies to all buried cable installations.

Roadside Drainage: If the work done under this Permit interferes with the established drainage, repairs shall be made promptly by the Permittee as directed by the County.

Clean-up of Right-of-Way: The construction zone shall be kept clean throughout the course of the project. Upon completion of the work, the roadway and right-of-way shall be left in a neat and clean condition, to the satisfaction of the County.

Inspections: The contractor is responsible for calling for inspections when required. Inspections are minimally required to approve all above-ground facility locations, to see open trenches **prior** to backfill, for compaction testing, for paving, and as directed by the County. Inspections shall be called for at the Department of Public Works at 754-6402 at least **24 hours** in advance. Failure to call for a required inspection, or failure to call for an inspection in a timely manner, could result in a fee being assessed to the project.

Maintenance: The Permittee agrees to exercise reasonable care to periodically inspect and properly maintain this encroachment and immediately repair any damage to the roadway which occurs as a result of the work done under this Permit, including all damages which would not have occurred had this encroachment not been constructed. The Permittee agrees to conduct repairs upon the first working day after receiving phone notification from the County.

Future Moving of Installation: By acceptance of this Permit, the Permittee agrees that whenever future construction, reconstruction, or maintenance work upon the road may require the relocation or removal of this encroachment, such relocation or removal, upon request of the County, shall be commenced within thirty (30) days notice at the sole expense of the Permittee.

Liability for Damages, Bonding, and Insurance: The Permittee is responsible for all liability for personal injury or property damage which may arise out of the permitted work, or which may arise out of failure on the Permittee's part to perform the requirements of this Permit. In the event that a claim of such liability is made against the County of Calaveras, or any agent thereof, Permittee shall defend, indemnify and hold them harmless from such a claim.

Bonding, Security: This Permit shall not be effective unless and until the Permittee files with the County a Surety Bond in the amount required by the County, unless specifically exempted herein. (The requirement that a bond be filed does not apply if the Permittee is a Government Board which derives its revenue by taxation.) Security shall provide that ten percent of the secured amount will be withheld by the County for a period of one year after the completion of the project. The ten percent retention may be used by the County to correct any defects in material or workmanship which become evident in the one-year-period following completion. As an alternative to a bond, the County, at its option, may require that the Permittee provide public liability and property damage insurance in an adequate amount to insure the County against loss or damage. A suitable certificate of the insurance shall be filed with the County prior to issuance of this Permit.