

**SECTION 13 - EXISTING FACILITIES
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SECTION 13 - EXISTING FACILITIES

13-1 GENERAL

This work must conform to the State Specifications and these Specifications. Attention is directed to Section 14, “Restoration of Surfaces,” and Section 15, “Clearing and Grubbing,” of these Specifications for additional requirements.

Facilities subject to these Specifications include existing facilities that interfere with planned construction as shown or specified in the Contract. The removal of existing utilities must be by the utility owner, unless otherwise shown or specified in the Contract.

13-1.01 Preservation of Property

Roadside trees and shrubbery that are to remain, pole lines, fences, signs, traffic control devices, striping, survey markers and monuments, buildings and structures, conduits, under- or above-ground pipelines, and any other existing improvements and facilities, must be protected from injury or damage. If ordered by the Agency, the Contractor must provide and install suitable safeguards for protection from injury or damage. Existing improvements and facilities that are injured or damaged as a result of the Contractor's operations must be replaced or restored at the Contractor's expense to a condition as good as when the Contractor entered upon the Work. The Contractor must receive Agency approval before the removal of any road sign or permanent traffic control device that interferes with the Work.

Existing facilities within the rights-of-way and construction areas that do not interfere with the Work must be protected from damage. Unless otherwise shown or specified in the Contract, the minimum cover requirements during construction for temporary construction vehicle loading are as follows:

- For metal and plastic pipes, place at least 4 feet of cover over the top of the pipe at construction crossings.
- For reinforced concrete pipe, place at least 3 feet of cover over the top of the pipe at construction crossings.

13-1.02 Overloading, Pavement Protection & Repair

The Contractor must determine safe loading capacities and must not overload any structure, equipment, pavement, or material beyond its safe capacity, or deteriorate any further the preconstruction condition of pavement during construction. Protection of pavement to prevent damage, cracking, or scarring is the responsibility of the Contractor. The Contractor assumes full responsibility for any damage resulting from any such overloading or failure to adequately protect the existing pavement.

The Contractor must request a pre-construction inspection prior to performing any work to validate the condition of all existing public facilities, including, but not limited to, pavement, striping, curb and gutters, median curbing, sidewalks, median pavement, plantings, channelization islands, and traffic signal facilities. Following construction, and prior to field acceptance, a post-construction inspection must be conducted to identify damage resulting from the Contractor's activities. Pre- and post- construction inspections must include representatives from the Contractor and the Agency. Damage identified as a result of the pre- and post- construction inspections that was caused by the Contractor's activities must be repaired by the Contractor to the Agency's satisfaction at no additional cost to the Agency.

13-2 REMOVING EXISTING FACILITIES

Existing facilities that interfere with the Work must be removed, reset, relocated, adjusted, or otherwise modified as shown on the Plans, specified in the Special Provisions, or directed by the Agency. Work on an existing utility must be coordinated with and approved by the facility owner and must comply with the requirements of the facility owner.

Trenches, holes, depressions and pits resulting from the removal of existing facilities must be backfilled with embankment material per Section 18, "Earthwork," of these Specifications. Trenches, holes, depressions and pits that are in surfaced areas, otherwise to remain undisturbed, must be backfilled with materials equal to or better in quality and to the same thicknesses as the surrounding materials.

13-2.01 Mailboxes

Existing mailboxes and newspaper tubes must be removed and reset where shown on the Plans or as directed by the Agency. Mailboxes must be maintained in an upright position adjacent to the construction area between the time the mailbox is removed and reset in its final location.

Mailboxes must be reset on 4 by 4 inches Douglas fir or redwood posts S4S, conforming to provisions of the State Specifications, unless otherwise noted on the Plans. Posts must be set a minimum of 24 inches in concrete bases. Concrete shall be in conformance with Section 50-5, "Portland Cement Concrete," of these Specifications. Mailboxes that can be salvaged intact, including ornamental or iron supports, must be salvaged and reset. The bottom of mailboxes must be set at a height of 3'-6" above the back of curb or edge of shoulder.

For projects in the County of Sacramento, the face of the mailbox must be set 1 foot behind the back of sidewalk on Class "A" streets, 1 foot behind the back of curb on Class "B" streets, and 1 foot behind the outside shoulder line on Class "C" streets, or as shown on the Plans or directed by the Agency. The classes of streets are as defined in the Improvement Standards of the County of Sacramento, Public Works Agency.

13-2.02 Signs

Attention is directed to Section 12, "Safety, Public Convenience, and Traffic Control," of these Specifications regarding the maintenance of existing traffic control signs.

13-2.03 Survey Monuments

Existing survey monuments and markers shown on the Plans or found during progress of the Work must be preserved. (See Section 5-9.02, "Survey Monuments," of these Specifications.) Survey monuments and markers are hereinafter referred to as "monuments." The Contractor must notify the Agency of any monument encountered and must not remove, disturb or damage the monument until the monument can be cross-referenced and surveyed by the Agency. The Contractor must allow a minimum of 5 Working Days for referencing to be accomplished. When notified by the Agency that the cross-referencing has been completed, the monument may then be removed. The Contractor is not responsible for the replacement of monuments that have been cross-referenced and surveyed by the Agency as specified above.

If the Contractor fails to notify the Agency as specified above or removes, disturbs or damages a monument that is not in direct conflict with the Work or due to the Contractor's carelessness or failure to notify the Agency of the presence of an existing monument, referencing, resurvey, and replacement of the monument is at the Contractor's expense and must be performed by or under the direction of California Licensed Land Surveyor or a California Registered Civil Engineer authorized to practice Land Surveying.

13-2.04 Existing Landscaping Improvements

The Contractor shall comply with the Special Provisions and the requirements set forth in Section 15-1.02, “Trees, Shrubs, Ground Cover, and Lawn,” 20-4.01, “Maintain Existing Water Supply,” and 20-4.02, “Trenching In Existing Landscape,” of these Specifications. Existing plant material (i.e. trees, shrubs, ground cover and lawn) within the area affected by the Work and designated for removal shall be removed in accordance with Section 15, “Clearing and Grubbing,” of these Specifications and/or the Special Provisions.

Existing landscape improvements and appurtenances including irrigation pipe, shut-off valves, remote control valves, conductor wires, sprinkler heads, hose bibs, automatic controllers, and yard lighting systems that interfere with the Work shall be removed or salvaged as specified in the Contract documents. Irrigation pipes shall be capped at the right-of-way line or easement line, unless otherwise shown or specified in the Contract documents.

Any necessary repairs to an affected irrigation system shall be done in a manner that is at least equal to previous existing conditions.

Existing irrigation that is not to be capped or removed as shown on the Plans shall be protected during all phases of work.

In areas adjacent to construction, the existing irrigation system shall remain functioning to the fullest means possible.

It is the responsibility of the Contractor to replace any and all plantings damaged or destroyed during the course of the Work in a manner that is at least equal to previous existing conditions.

13-2.05 Abandoned Underground Facilities

Abandoned pipes, conduits, and other abandoned structures and facilities within 2 feet below the roadway subgrade must be removed and disposed of. Pipes that are lower than 2 feet below the roadway subgrade must either be removed or the ends plugged with concrete, at the option of the Contractor, unless specified otherwise in the Contract. Pipe ends must be plugged and structures must be abandoned in accordance with Section 15-1.04, “Abandonment of Pipes, Conduits and Structures,” of these Specifications.

13-2.06 Drainage Facilities

The Contractor must maintain existing drainage facilities, including ditches, during the Work. Except where otherwise shown on the Plans, the Contractor must re-establish the drainage facilities to their original locations and in working condition as soon as possible after completing work in the area. For remedial maintenance projects or improvement projects in established areas, the Contractor must coordinate the work so that storm drain systems are fully operational at the end of each Working Day. No runoff is allowed to flow unconfined through trenches or excavations without approval of the Agency.

13-2.07 Fences

Fence material and gates to be relocated or reset must be removed with care to prevent damage to the material. Adhering concrete footings must be removed from fence posts and braces that are to be relocated or reset.

Relocated or reset fences must be placed a minimum of 2 feet from fire hydrants. For security of property or containment, temporary fencing must be furnished and erected where the removed existing fencing was, as shown on the Plans and as directed by the Agency.

Materials removed from existing fences that, in the opinion of the Agency, are unsuitable for reuse become the property of the Contractor and must be disposed of. The unsuitable material must be replaced with material of a type and quality equal to the best of the material in the existing facility. Furnishing of material to replace the unsuitable material will be paid for as extra work as provided in Section 9, “Changes and Claims,” of these Specifications. Furnishing of material to replace material that has been damaged by the Contractor’s operations will be at the Contractor’s expense.

13-2.08 Concrete

Where a portion of a concrete structure, slab, or curb is to be removed, the concrete must be cut with a concrete saw so that the visible edge of the remaining concrete forms a neat, straight line. Where concrete slabs, curbs, ornamental walls, brick work, or similar items are encountered in the course of the construction of underground facilities, except drainage facilities within road right-of-way, the structure or facility must be reconstructed to match the existing portion of the facility. On roadway projects and drainage construction in highway rights-of-way, the facility must be removed to the right-of-way line, and the end of the facility must be reconstructed to provide a neat appearance.

13-2.09 Removal of Traffic Stripes and Pavement Markings

Pavement surfaces where striping and markings have been removed and are not scheduled to be resurfaced must be slurry sealed. Limits of slurry seal are the full width of affected lanes and extend a minimum of 2 feet beyond the limits of the striping marking removal.

Removal of traffic stripes and pavement markings is required for areas of slurry seal and other areas specifically indicated for stripe removal as shown on the Plans. Removal of painted traffic stripes and pavement markings must comply with the requirements of the State Specifications. Traffic stripe removal must be completed no more than 2 Calendar Days prior to placement of slurry seal.

Traffic stripes and pavement markings must be removed by sandblasting or approved grinding method. To protect the public when sandblasting is performed within 10 feet of a lane occupied by vehicular traffic, the sandblast equipment must be equipped with a shield and a vacuum attachment operating concurrently with the pressure equipment to immediately remove grindings and sand from the surface of the roadway. The Contractor must immediately remove all remaining sand and grindings from the roadway.

Handling and disposal of hazardous materials associated with the removal of traffic stripes and pavement markings must comply with all applicable Federal, State, and local laws, rules, regulations, ordinances and statutes. The Contractor is responsible for all costs associated with non-compliance, including any fines levied.

Placement of permanent or temporary pavement striping, as detailed in Section 48-5 "Placement," of these Specifications, is required prior to opening the subject portion of roadway to traffic.

13-3 MEASUREMENT AND PAYMENT

Full compensation for protecting existing facilities is included in the prices paid for the various items of work, and no additional compensation will be allowed.

Payment for removing, resetting, relocating, adjusting, or otherwise working on existing facilities, will be made at the prices for the various items of work in the Contract, and will be payment for all work involved including disposal and salvaging.

Full compensation for conforming to the provisions in this Section not otherwise provided for is included in the prices paid for the various items of work involved, and no additional compensation will be allowed.

The Contract price paid per linear foot for relocating or resetting existing fence, includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and doing all the work involved in removing existing fence materials and gates, and relocating or resetting existing fences, complete in place, as specified in these Specifications, as shown or specified in the Contract, and as directed by the Agency.

Full compensation for clearing fence lines and disposing of the resulting material, excavating high points in the existing ground between posts, excavating holes, disposing of surplus excavated material, furnishing and placing Portland Cement Concrete footings, connecting the fences to structures and existing cross fences, and constructing temporary fences, is included in the price

paid for relocating or resetting existing fences, and no additional compensation will be paid.

If there is no item in the Contract for relocating or resetting fences, full compensation for conforming to the provisions in this Section not otherwise provided for is included in the prices paid for the various items of work involved, and no separate payment will be made.

The actual limits of traffic stripe and pavement marking removal will be delineated in the field by the Engineer. Removal of traffic stripes and pavement markings will be measured by the linear foot for removal of four-inch traffic stripes. Stripes of widths other than four inches will be converted to an equivalent length of four-inch stripe for determination of quantities. Traffic stripes with gaps or skipped striping will only be measured along portions with traffic striping; gaps without striping will not be measured for payment. Traffic stripe is defined as paint, thermoplastic, or other stripe material. The unit price bid for stripe removal includes full compensation for all material, tools, labor, and equipment to remove the traffic stripes and pavement markings, remove all debris from the roadway, and disposal of all waste as specified herein. If no separate bid item is specified in the Contract, full compensation for the costs of traffic striping and pavement marking/marker removal shall be considered as included in the prices paid for the various items of work involved as specified in Section 8-3, "Work to be Done Without Direct Payment," and no additional compensation will be allowed therefor.