SECTION 625
CONSTRUCTION SIGNS

01DESCRIPTION

625.01.01 GENERAL
A. This work shall consist of furnishing, erecting, maintaining, relocating, and removing work zone traffic control devices, including signs, channelizing devices, and lighting devices at locations set forth in the contract documents, or as directed by the Engineer, for the protection of the work, workers, and guidance and safety of the motoring and pedestrian public.

B. All work zone traffic control devices shall remain the property of the Contractor upon completion of the contract and shall be removed from the project by the Contractor.

C. All work zone traffic control devices shall conform to the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), published by the U.S. Department of Transportation, Federal Highway Administration, as well as the current edition of the Traffic Control Plans for Highway Work Zones for the Clark County Area, unless otherwise indicated on the plans or by the Special Provisions.

D. Regulatory signs shall be mounted so that the bottom of the sign will be a minimum of 5 feet above the ground surface or the pavement.

02MATERIALS

625.02.01 GENERAL
A. It is expressly intended that a broad selection of material be granted the Contractor since work zone traffic control devices are in temporary use and new products become commercially available regularly.

1. Sign panels may be constructed of steel, aluminum, wood, or other approved material and be of a sound, durable nature.

2. The materials shall be of such quality to do the job for which they are intended and are subject to approval by the Engineer.

3. Signs and channelizing devices that have become dull, have flaking or peeling paint, are dirty or discolored, or are otherwise marred shall be repaired or replaced with acceptable units.

B. Reflective sheathing for all signs and channelizing devices shall conform to Subsection 716.03.01, "Reflective Sheeting."

625.02.02 SIGN DIMENSIONS
A. Sign dimensions shown in the MUTCD are minimum standard.

1. Increases above this minimum are permissible and desirable where investigation has shown a larger sign is needed for adequate emphasis.

2. In the enlarging of signs, standard shapes and colors shall be used, and standard proportions shall be retained so far as practicable.
625.03.01 GENERAL
A. Before any detour, temporary route, or work zone is opened to traffic or imposed upon existing traffic, all necessary signs shall be in place.
B. Signs required by road conditions or restrictions shall be removed immediately when those conditions cease to exist or the restrictions are withdrawn.
C. Guide signs directing traffic to and on temporary routes or detours shall be removed when no longer applicable.
D. Signs and barricades shall be maintained in operable condition.
   1. Care shall be exercised to keep the sign faces free of dust and splashed mud.
   2. Any signs and barricades that become scarred, damaged, or destroyed shall be repaired immediately or replaced, at no additional cost to Contracting Agency and as directed by the Engineer.
E. The responsibility for the protection of the work, workmen, and public traffic will rest with the Contractor and the Contractor shall be liable for damages and injury suffered by reason of the Contractor's operations or any circumstances, conditions, actions, or negligence in connection therewith.

625.03.02 SIGN PLACEMENT
A. Signs shall be placed in conformance with the MUTCD.
B. For work zone set-ups that remain in place longer than 24 hours, all temporary stop signs shall be mounted on a post that is embedded in the ground a minimum of 18 inches or to a depth sufficient to prevent overturning by wind loadings and easy removal by vandals as approved by the Engineer with the following possible exceptions:
   1. A flagger is used to supplement temporary stop signs. The temporary stop signs shall be post-mounted and embedded in the ground when no flagger is present.
   2. Temporary stop signs may be used with a moving construction operation with frequent lane shifts and for work zones with daily set-up and take-down operation only when construction is in progress and the flagger is personnel are present. When no construction is in progress and no flagger is personnel are present and the set-up remains in place, the temporary stop signs shall be post-mounted and embedded in the ground.

625.03.03 SIGN SUPPORTS
A. Signs, posts, pole mountings, and sign foundations shall be constructed to hold signs rigidly in a proper and permanent position, and prevent the signs from swaying in the wind, or from being turned or otherwise displaced.
B. A portable or removable type of mounting may be used for signs required intermittently or that are frequently moved. Such a mounting shall be heavy enough not to turn over in the wind, and the base shall not be appreciably wider than the sign.
C. A portable or removable type of mounting for temporary stop signs may only be used in a moving operation and for work zones with daily set-up and take-down operations during the time when construction personnel are present.
1. Such a mounting shall be heavy enough not to turn over in the wind.

1. Such a mounting shall be supported by a minimum of two, 30-pound sand bags so as not to turn over in the wind.

2. Temporary stop signs shall be post-mounted and embedded in the ground whenever the set-up remains in place but no construction personnel are present. The use of spring stands are not allowed. Temporary stop signs shall be post-mounted and embedded in the ground after working hours whenever the set-up remains in place but no flagger is construction personnel are present.

625.03.04 CHANNELIZING DEVICES

A. Projects closed to traffic shall be protected by appropriate channelizing devices, as approved by the Engineer, in conjunction with appropriate work zone warning signs.

B. If weighting of channelizing devices is necessary, sand bags may be used as long as a low center of gravity is maintained as approved by the Engineer.

04 METHOD OF MEASUREMENT

625.04.01 MEASUREMENT

A. No direct measurement shall be made for work zone signs and channelizing devices unless otherwise specified.

05 BASIS OF PAYMENT

625.05.01 PAYMENT

A. No direct payment shall be made for work zone signs and channelizing devices unless otherwise specified.