

## CITY OF COLORADO SPRINGS

**Date:** March 14, 2005

**To:** Engineers, Architects, Contractors, Developers, Homebuilders, and Other Interested Parties

**From:** Cam McNair, P.E., City Engineer

**Subject:** New Pedestrian Ramp Standard Details with Truncated Domes

The City of Colorado Springs is committed to providing access to all persons including those who may have some disability. To meet this goal, the City Engineering Division has been monitoring changes in the requirements of the Americans with Disabilities Act (ADA) and the use of a detectable warning area on pedestrian curb ramps. We have been working for over a year with various stakeholders to update the current pedestrian ramp standards. Using the parameters included in the ADA Accessibility Guidelines (ADAAG), the Guidelines for Accessible Public Rights-of-Way, and other publication by the Access Board, new pedestrian ramp standard details have been developed which include a 24" truncated dome detectable warning area.

Truncated domes are a distinctive surface pattern of domes detectable by cane or underfoot which are used to alert people with vision impairments of their approach to streets. The tactile feature underfoot can provide a confirming cue for blind pedestrians at locations where standard indicators, such as curbs, are absent. Pedestrians who have low vision also benefit from the detectable warning area being a contrasting color from the remaining ramp surface.

City Engineering has researched many products and has constructed pedestrian ramps with truncated domes on all City Engineering construction projects since late 2003 to evaluate various products and construction details. We have determined that concrete truncated dome pavers or concrete truncated dome panels provide the best slip-resistant and long lasting surface. Only products approved by City Engineering shall be used to provide the truncated dome detectable warning area. New ramp details and a list of approved products are available for review on the City Engineering Division's web page.

The details showing truncated dome pavers and panels were presented and discussed at the HBA Land Use Committee meetings on December 9, 2004, January 13, 2005, and February 10, 2005, where it was agreed that the new details would become effective April 4, 2005. A transition period, from April 4, 2005 to June 3, 2005, will be provided to phase out construction of ramps per the old pedestrian ramp details and implement the new pedestrian ramp standard details. Owners, engineers, architects, contractors, developers, and homebuilders are encouraged to use the new details on all their projects, but City Engineering will still allow construction of the old "Springs Brown" colored concrete pedestrian ramps during this transition period. However, after June 3, 2005, all pedestrian ramps constructed in City Rights-of-Way or easements shall be in accordance with the new details and include truncated domes constructed with a product from the City's approved product list. Colored concrete pedestrian ramps per the old standards shall no longer be constructed after June 3, 2005, including work requiring repair or reconstruction of existing pedestrian ramps.

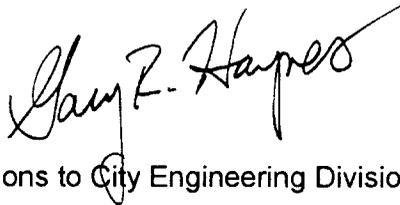
The new pedestrian ramp standard details meet the requirements of the current ADA Regulations and provide a truncated dome detectable warning area. New details showing typical ramp layout, combination and parallel ramp details for retrofit applications, and sidewalk clearance zones are also included. Working together we can meet our obligations under the ADA and provide access to persons who may have some disability.



CITY OF COLORADO SPRINGS

DATE: October 1, 2003

FROM: Gary R. Haynes, City Engineer



To: All Persons Interested in Revisions to City Engineering Division General Provisions and Standard Specifications

**SUBJECT: Revisions to City Engineering Division General Provisions and Standard Specifications**

Revisions, effective October 1, 2003, have been made to the City Engineering Division General Provisions and Standard Specifications Manual. Revisions to the General Provisions include key items noted below, along with other minor revisions. Revisions to the Standard Specifications primarily involved changing section references to be consistent with the revised sections of the General Provisions.

General Provisions

- Several additions, deletions and modifications to "Definitions and Terms"
- Section 100 – Prospective Bidders: Deleted majority of subsections except for "Advertisement for Bids", "Invitation for Bids – Content", and "Equal Opportunity". Refers to City's Procurement Rules and Regulations available from the Purchasing and Contracts web site: [www.springsgov.com/purchasing](http://www.springsgov.com/purchasing).
- Existing Section 101 – Instructions to Bidders and Section 102 – Bids: Deleted these sections. This information is included in the City's Procurement Rules and Regulations. Project specific requirements, terms and conditions for each solicitation will be modified to reflect the contractual requirements for that particular Invitation for Bids (IFB) or Request for Proposals (RFP). These requirements will be specified in the Instructions to Bidders, Terms and Conditions, General Provisions and Specifications.
- All existing titled Sections 103 through 112 remain and are renumbered Sections 101 through 110.
- New Section 101 – "Contract Document Interpretation":
  - Added subsection 101.02 on "Order of Precedence"
- New Section 104 – "The Contract: Following Execution":
  - Subsection 104.02 – "Schedule": Significant modifications and additions to this "Schedule" subsection. Detailed requirements for Methods Statements, Bar Chart or CPM schedules, schedule updates, Job Progress Narrative Reports, Project Coordination, Contractor early finish/voluntary acceleration, etc. are included.
- New Section 106 – "Insurance and Indemnity":
  - Subsection 106.01 -- "Contractor's Insurance": revised automobile liability limits
- New Section 108 – "Work Provisions and Rules":
  - Subsection 108.02 – "Failure to Complete Work on Time, Liquidated Damages": added a new category for contracts > \$1,000,000; liquidated damages = \$1500/day
  - Subsection 108.05 – "Authority of the Engineer": added new subsection C on "Suspension of Work"
  - Subsection 108.07 – "Contractor Cooperation": added new subsection C on removing objectionable contractor employees from the work site
  - Subsection 108.23 – "Differing Site Conditions": this is a new subsection
- New Section 110 – "Termination of Contract":
  - Subsection 110.01 – "The City's Right to Terminate Contract": added new subsection B on Termination for Default and included new additions to subsection E

Complete copies of the revised General Provisions and Standard Specifications can be purchased for \$25.00 from City Office Services, City Administration Building, 30 S. Nevada Ave., Suite L01 (Basement) or viewed/downloaded on the City Engineering web site: [www.springsgov.com/cityengineering](http://www.springsgov.com/cityengineering).

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<http://www.SpringsGov.com/cityengineering>

CITY OF COLORADO SPRINGS

CITY ENGINEERING DIVISION

General Provisions

Standard Specifications

REVISED

February, 1995  
Major Revisions

October, 2003  
General Provisions Only

March, 2005  
New Pedestrian Ramp Details

## **PREFACE**

In accordance with Section 19-5-102 of the City Code of the City of Colorado Springs, the City Engineer has established these General Provisions and Standard Specifications. These General Provisions have been established for use on all contracts under the jurisdiction of the City Engineering Division. These Standard Specifications shall be used for all construction of City public improvements within the public right-of-way, easements and property of the City of Colorado Springs. The presence of these General Provisions and Standard Specifications on the project site shall be considered essential for the competent superintendence on the part of the Contractor and shall be the Contractor's responsibility. They apply specifically to construction in subdivisions (except the General Provisions), on contract work for Capital Improvement Projects and Improvement Districts under the jurisdiction of the City Engineering Division, and any work within the public rightof- way. They may be supplemented or modified to suit specific contracts only by written permission of the City Engineer.

Any Contractor citing these General Provisions and Standard Specifications by reference in their contract work shall be responsible for furnishing prospective bidders copies of the General Provisions and Standard Specifications along with any addenda that may affect their contract. Revisions to these General Provisions and Standard Specifications may be issued by the City to suit its needs. Any such revisions shall be available from the City Engineering Division. It is the City's intent in providing a three-ring binder with these General Provisions and Standard Specifications to allow insertion of periodic revisions. It is requested that the attached "change of address" form be mailed should your address or firm name change. All changes received will be entered on the City Engineering Division's master list of General Provisions and Standard Specifications holders. Holders of these General Specifications and Standard Specifications are responsible for the prompt removal of outdated pages and insertion of new pages in the proper location.

**COPIES OF THESE GENERAL PROVISIONS AND STANDARD SPECIFICATIONS ARE AVAILABLE FOR PURCHASE FROM THE CITY OF COLORADO SPRINGS, OFFICE SERVICES UNIT, LOCATED AT 30 S. NEVADA AVENUE, GARDEN LEVEL, L01, 80903.**