

**UNIFORM STANDARD SPECIFICATIONS
CLARK COUNTY AREA**

SPECIFICATIONS - YEAR 2002 REVISIONS

<u>SPECIFICATION NUMBER AND TITLE</u>	<u>PAGE NUMBER(S)</u>	<u>NATURE OF CHANGE</u>	<u>EFFECTIVE DATE</u>
109 Measurement and Payment	109-8	Revision to Subsection 109.03(c) to properly identify Rental Rate Blue Book.	4/1/02
722 Water	722-1	Revision to Subsections 722.01.01 to clarify water source as non-potable.	11/1/02

Revised December 2002

**UNIFORM STANDARD
SPECIFICATIONS**

**FOR
PUBLIC WORKS'
CONSTRUCTION
OFF-SITE IMPROVEMENTS**

**CLARK COUNTY AREA
NEVADA**

FOREWORD

Publication of these Uniform Standard Specifications for Public Works Construction Off-site Improvements, Clark County Area, Nevada, is the third edition of this important document and will supersede the 1986 edition. All revisions to these specifications approved by the Regional Transportation Commission through December 2002 have been included in this publication.

This edition modified to fit local conditions and problems follows the format of the Nevada Department of Transportation Specifications for Road and Bridge construction. It is felt this similarity of general makeup will be an aid to all those using both specifications.

Special provisions and drawings will be provided, when necessary, to supplement or modify these standard specifications.

The Uniform Standard Specifications for Public Works Construction may be revised by issuance of revisions or supplements to correct errors and omissions found in these specifications and to reflect advanced thinking and the changing technology of the construction industry. Each revision or supplement will supersede any previous supplement by inclusion of all pertinent portions. Upon approval by the Regional Transportation Commission, revisions will be posted to the RTC website, www.rtcsonthernnevada.com, on the first day of the month following the meeting.

To implement this end, a Specifications Committee has been established as a permanent organization to continually study and recommend changes to the standard specifications. Interested parties may address suggested changes and questions to the Uniform Standard Specifications Committee c/o Regional Transportation Commission, 600 South Grand Central Parkway, Suite 350, Las Vegas, Nevada 89106-4512.

The following participating entities of the Clark County, Nevada area have adopted these specifications, as revised, by Resolution or Council or Board Action of the governing bodies as follows:

CLARK COUNTY

Adopted by Resolution July 20, 1993

CITY OF LAS VEGAS

Adopted by Resolution R32-93 June 16, 1993

CITY OF NORTH LAS VEGAS

Adopted by Resolution No. 1685 June 16, 1993

CITY OF HENDERSON

Adopted by Ordinance No. 549 August 20, 1984

Revisions Adopted By Council Action (3rd Edition) June 15, 1993

CITY OF BOULDER CITY

Adopted by Resolution No. 2379 March 22, 1994

CITY OF MESQUITE

Adopted by Resolution No. 26 January 8, 1987

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REGIONAL TRANSPORTATION COMMISSION

Adopted by Resolution No. 7 June 14, 1984

Revisions Adopted By Commission Action Various Dates

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be in such form and sufficiently detailed as to satisfy the Contracting Agency that it correctly represents a reasonable apportionment of the lump sum.

109.03 EXTRA AND FORCE ACCOUNT WORK: Extra work shall be paid for in accordance with the accepted contract change order. Work specified in the order to be performed at agreed unit prices shall be paid for in the same manner as proposal items.

When extra work paid for on a force account basis is performed by forces other than the Contractor's organization, the Contractor shall reach agreement with such other forces as to the distribution of the payment by the Contracting Agency for such work.

1. **Specialized Work.** Whenever the Contractor is required to perform originally unanticipated work of a specialized nature (electrical, plumbing, landscaping, etc.) for which he is not properly equipped, he may upon approval of the Contracting Agency have the work performed by a local firm or specialist who is proficient in the type of work to be performed.

Payment for this work shall be the Contractor's actual cost as evidenced by copies of invoices from the person or firm who performed the work. To the Contractor's actual cost shall be added the sum of ten (10) percent for the Contractor's profit and overhead with no further compensation therefor.

2. **Owner-Operators.** Whenever the Contractor is authorized by the Contracting Agency to utilize bonafide owner-operators on Force Account work, payment shall be at the lump sum rate shown on the Contractor's payrolls which include wages and equipment rental. To this lump sum rate shall be added the sum of ten (10) percent for the Contractor's profit and overhead with no further compensation therefor.

Work specified and performed on a force account basis should be paid for as follows:

- (a) **Labor.** Contractor will be paid the cost of labor for the workmen (including foremen when authorized by the Engineer), used in the actual and direct performance of the work. The cost of labor, whether the employer is the Contractor, subcontractor, or other forces, will be the sum of the following:
 - (1) **Actual Wages Plus Vacation Pay.** The actual wages paid, plus vacation pay, which shall not including any employer payments to, or on behalf of, workmen for health and welfare, pension, and similar purposes.
 - (2) **Labor Surcharge.** To the actual wages, plus vacation pay, as defined above, will be added a labor surcharge set forth in the special provisions, which labor surcharge shall constitute full compensation for all payments imposed by State and Federal laws.
 - (3) **Fringe Benefits.** All other payments made to or on behalf of the workmen as required by collective bargaining agreements, or as otherwise provided in the special provisions.
 - (4) **Subsistence and Travel Allowance.** Subsistence and travel allowance paid to such workmen as required by collective bargaining agreements.

To the total of the direct costs computed above, there will be added a markup of twenty (20) percent.

- (b) **Materials.** For materials accepted by the Engineer and used in the work the Contractor shall receive the actual cost of such materials, to which cost shall be added an amount equal to fifteen (15) percent of the sum thereof.
- (c) **Equipment.** For any machinery or special equipment, the use of which has been authorized by the Engineer, the Contractor will be paid for the use of equipment at rental rates for such equipment which shall be determined as follows:

- (1) The base rates shall be those established in publications and revisions thereto entitled "Rental Rate Blue Book for Construction Equipment, Volumes 1-3," published by EquipmentWatch, a division of PRIMEDIA Business Magazines and Media, a PRIMEDIA company, which is a part of the contract.

The hourly rate to be paid shall be the sum of the weekly Blue Book rate divided by forty (40) plus the estimated operating cost per hour shown therein.

- (2) Attachments (e.g. tractor with ripper and dozer or tractor with loader and backhoe) will be included in the hourly rate only when deemed essential to the work as determined by the Engineer. When multiple attachments are approved for use and are being used interchangeably, the attachment having the higher rental rate shall be the only one included for payment.
- (3) The total established rental rate per hour shall be rounded to the nearest ten (10) cents.
- (4) Rental rates shall not be adjusted for regional differences.
- (5) No compensation shall be allowed for shop tools having a daily rental rate of less than ten (10) dollars as set forth in Section 18 of the Rental Rate Blue Book.

If it is deemed necessary by the Engineer to use equipment not listed in the Rental Rate Blue Book, a suitable rental rate for such equipment will be established by the Engineer based on the rate of a comparable model or unit. The Contractor may furnish any cost data which might assist the Engineer in the establishment of such rental rate including an adequate description, trade or manufacturer's name, model, capacity, horsepower, years of manufacture, and purchase price.

Payment will be made for actual time, to which rental sum of fifteen (15) percent shall be added.

The rental rates paid as above provided shall include the cost of fuel, oil lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance and all incidentals, but not labor costs for the operation of the equipment.

- (d) **Supervision and Tools.** No additional allowance shall be made for general superintendents, the use of small tools or other costs for which no specified allowance is herein provided.

The brightness of the reflective sheeting, totally wet by rain, shall not be less than ninety (90) percent of the above values. Wet performance measurements shall be conducted in conformance with standard rainfall tests specified in Military Specification MIL-R-13689A, or as amended.

- (b) **Durability.** The delineator surface shall readily be refurbished by cleaning and clear overcoating in accordance with the manufacturer's recommendations.

SECTION 722

WATER

SCOPE

722.01.01 MATERIAL COVERED: This specification covers the quality of water from non-potable sources for use in preparing cement concrete or soil-cement mixtures, and for wetting embankment, backfill, subgrade, and gravel base and surfacing courses.

REQUIREMENTS

722.02.01 GENERAL: All water for embankments, backfill, subgrade, gravel base, landscaping, and surface courses and cement concrete curing shall be free from an excessive amount of acids, alkali, oil, and other substances which, in the opinion of the Engineer, will cause damage to the above mentioned items.

PHYSICAL PROPERTIES AND TESTS

722.03.01 CONCRETE USE: Samples submitted for tests shall consist of two (2) quarts (1.9 liters) of water, obtained and shipped in clean glass containers carefully packed and labeled. Tests shall be made in accordance with AASHTO Designation T 26, Standard Method of Test for Quality of Water to be Used in Concrete.

Any indication of unsoundness, marked change in time of setting, or a reduction of more than ten (10) percent in strength from results obtained with concrete mixtures containing the water of satisfactory quality shall be sufficient cause for rejection of the water under tests.

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