

VOLUME V

GUIDELINES FOR DESIGN CONSULTANT

TABLE OF CONTENTS

**APPENDIX B: MASTER CONSTRUCTION SPECIFICATIONS AND PREPARATION GUIDE, DIVISIONS 0-10**

**SECTION B1: PREPARATION GUIDE**

B1.1	INTRODUCTION.....	B1- 1
B1.2	DESIGN CONSULTANT RESPONSIBILITIES .....	B1- 1
B1.3	SPECIFICATION APPEARANCE .....	B1- 3
	General .....	B1- 3
B1.4	SOFTWARE AND EDITING FEATURES .....	B1- 4
	Software .....	B1- 3
	Automatic Formatting .....	B1- 3
	Notes to Specifier .....	B1- 4
	Square Brackets.....	B1- 4
	Footers .....	B1- 4
B1.5	INFLUENCE OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) FOR CONSTRUCTION OUTSIDE OF PUBLIC RIGHTS-OF-WAY .....	B1- 5
B1.6	HIERARCHY OF TECHNICAL SECTIONS.....	B1- 6
B1.7	INFLUENCE OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) FOR CONSTRUCTION WITHIN PUBLIC RIGHTS-OF-WAY .....	B1- 9
B1.8	COORDINATION BETWEEN SPECIFICATIONS AND STANDARD DETAILS.....	B1-10
B1.9	MANUFACTURER'S NAMES AND EQUIPMENT MODEL NUMBERS .....	B1-10
B1.10	SUBCONTRACTOR AND MANUFACTURER EXPERIENCE REQUIREMENTS.....	B1-10

**SECTION B2: MASTER CONSTRUCTION SPECIFICATIONS, DIVISIONS 0-10**

**PART 1 - BIDDING REQUIREMENTS**

00030	Notice Inviting Bids .....	1-3
00100	Instructions to Bidders.....	1-6
00300	Bid Forms.....	1-11

**PART 2 - CONTRACT FORMS**

00500	Agreement .....	1-3
00610	Performance Bond.....	1-2
00620	Payment Bond .....	1-2

00660 Worker's Compensation Certificate ..... 1

**PART 3 - CONDITIONS OF THE CONTRACT**

00700 General Conditions..... 1-62  
00800 Supplementary General Conditions..... 1-7  
00810 Supplementary General Conditions - City of San Diego..... 1-8  
    Equal Employment Opportunity Program Requirements  
00812 Supplementary General Conditions - City of San Diego..... 1-2  
    American with Disabilities Act (ADA)  
00815 Supplementary General Conditions - City of San Diego..... 1-4  
    Drug-free Workplace Requirements  
00820 Supplementary General Conditions - California..... 1-6  
    State Requirements  
00830 Supplementary General Conditions - Environmental ..... 1-23  
    Protection Agency Requirements

**DIVISION 1 - GENERAL REQUIREMENTS**

01010 Summary of Work  
01025 Measurement and Payment  
01045 Cutting and Patching  
01061 Offshore Construction  
01070 Abbreviations of Institutions  
01090 Reference Standards  
01300 Contractor Submittals  
01301 Schedule of Values  
01311 Scheduling and Reporting  
01400 Quality Control  
01505 Mobilization  
01510 Temporary Utilities  
**01520 Environmental Safety and Health**  
**01521 Construction Security**  
01530 Protection of Existing Facilities  
01550 Site Access and Storage  
01560 Environmental Protection  
01580 Project Identification and Signs  
01590 Field Office, Equipment and Services  
01600 Products, Materials, Equipment and Substitutions  
01660 Equipment Testing and Plant Startup  
01680 Physical Checkout, Shop, Field, and Functional Testing  
01700 Project Closeout

**DIVISION 2 - SITEWORK**

02050 Demolition  
02100 Site Preparation  
02140 Dewatering

02200	Earthwork
02240	Chemical Grouting of Soil
02270	Erosion Control (Vegetative)
02310	Tunnel Groundwater Control
02340	Boring and Jacking
02390	Sheet Piles
02510	AC Pavement and Base
02575	Pavement Rehabilitation
02593	High-Density Polyethylene Pressure Pipe
02600	Pipeline Construction
02601	Pre-Insulated Pipe
02611	Cast Iron Soil Pipe
02614	Vitrified Clay Pipe
02616	Reinforced Concrete Pipe, Rubber Gasket Joint (with or without PVC Lining)
02617	Reinforced Concrete Pipe
02618	Reinforced Concrete Pressure Pipe
02620	Reinforced Concrete Pressure Pipe, Steel Cylinder Type
02622	Concrete Pressure Pipe, Bar-Wrapped, Steel-Cylinder Type
02625	Corrugated Metal Pipe
02630	Ductile Iron Pipe
02640	Fiberglass Reinforced Polyester Mortar Pipe
02642	Small Polyethylene Non-Pressure Pipe (3-16 in.)
02644	PVC Non-Pressure Pipe
02646	PVC Pressure Pipe
02648	Cured-In-Place Pipe Liner
02650	Steel Pipe, Mortar Lined and Mortar Coated
02651	Steel Pipe, Lined and Coated
02653	Fabricated Steel Pipe and Specials
02666	Water Pipeline Testing and Disinfection
02667	Testing and Disinfection of Hydraulic Structures
02701	Precast Concrete Manholes
02710	Structural Manhole Rehabilitation
02711	FRP Manhole Inserts
02712	Trowel-Applied Manhole Rehabilitation Coating
02713	Spray-Applied Manhole Rehabilitation Coating
02714	Concrete Sewer Rehabilitation by Hand-Wound PVC Strip Liner
02715	PVC Liner Spot Repair
02716	Concrete Sewer Structural Spot Repair
02717	Concrete Sewer Rehabilitation by Machine-Wound PVC Strip Liner
02720	Sliplining Sanitary Sewers
02721	Grout for Sliplined Sanitary Sewers
02730	Sanitary Sewerage System Testing
02735	Television Inspection of Sewers
02740	Concrete Wall Surface Repair
02810	Landscape Irrigation System
02831	Chain Link Fences and Gates
02900	Landscaping

### DIVISION 3 - CONCRETE

- 03100 Concrete Formwork
- 03200 Reinforcement Steel
- 03240 Circular Prestressed Concrete Tanks (Strand Wrap System)
- 03280 Joints in Sitework Concrete
- 03290 Joints in Concrete Structures
- 03300 Cast-in-Place Structural Concrete
- 03310 Cast-in-Place Sitework Concrete
- 03315 Grout
- 03360 Pneumatically Placed Concrete
- 03400 Precast Concrete Panels
- 03520 Lightweight Insulating Concrete Deck

### DIVISION 4 - MASONRY

- 04232 Reinforced Concrete Block Masonry

### DIVISION 5 – METALS

- 05120 Structural Steel
- 05210 Open Web Steel Joists
- 05300 Metal Decking
- 05500 Miscellaneous Metalwork
- 05521 Aluminum Railings

### DIVISION 6 - WOOD AND PLASTICS

- 06100 Rough Carpentry
- 06200 Finish Carpentry and Millwork
- 06610 Glass Fiber and Resin Fabrications, General
- 06650 Plastic Liner for Concrete Surfaces

### DIVISION 7 - THERMAL AND MOISTURE PROTECTION

- 07100 Waterproofing
- 07210 Building Insulation
- 07410 Metal Roofing System
- 07510 Built-Up Roofing System
- 07540 Elastomeric (Fluid Applied) Roofing
- 07600 Flashing and Sheet Metal
- 07720 Roof Accessories
- 07800 Skylights
- 07905 Joint Sealers
- 07920 Sealants and Caulking

### DIVISION 8 - DOORS AND WINDOWS

- 08110 Steel Doors and Frames

- 08150 Wood Doors
- 08220 Fiberglass Reinforced Plastic Doors
- 08360 Overhead Doors
- 08410 Aluminum Entrances and Storefronts
- 08520 Aluminum Windows, Horizontal Sliding
- 08710 Finish Hardware
- 08800 Glazing

DIVISION 9 – FINISHES

- 09200 Lathing and Plastering
- 09250 Gypsum Board
- 09300 Ceramic Tile
- 09500 Acoustical Ceiling System
- 09510 Noise Control Panels
- 09650 Resilient Flooring
- 09680 Carpeting
- 09800 Protective Coating
- 09810 Polyethylene Tape Coating
- 09900 Architectural Paint Finishes
- 09951 Vinyl-Coated Fabric Wall Coverings

DIVISION 10 - SPECIALTIES

- 10160 Metal Toilet Partitions
- 10272 Access Flooring System, Carpeted
- 10273 Access Flooring System, HPL Covered
- 10350 Flagpoles
- 10400 Identifying Devices
- 10500 Metal Lockers
- 10520 Fire Extinguishers
- 10600 Operable Partitions
- 10605 Wire Mesh Partitions
- 10670 Storage Shelving
- 10700 Exterior Sun Control Screens
- 10800 Toilet Accessories