UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA

VOLUME II - YEAR 2002 REVISIONS

DRAWING NUMBER AND <u>TITLE</u>	SHEET NUMBER(S)	NATURE OF CHANGE	EFFECTIVE DATE
404.210 Type "M" Foundation	1	New Drawing. Foundation for use with traffic signal poles with mast arm lengths of 65 to 80 feet.	11/1/02

FOREWORD

UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS' CONSTRUCTION, OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA VOLUME II

The Uniform Standard Drawings for Public Works Construction may be revised by issuance of revisions or supplements to correct errors and omissions found in these drawings and to reflect advanced thinking and the changing technology of the construction industry. Each revision will supersede any previous pertinent drawing. Upon approval by the Regional Transportation Commission, revisions will be posted to the RTC website, www.rtcsouthernnevada.com, on the first day of the month following the meeting. This volume contains all revisions through December 2002.

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

UNIFORM STANDARD DRAWINGS, CLARK COUNTY AREA

TABLE OF CONTENTS

VOLUME II TRAFFIC SIGNALS

DRAWING NUMBER

SYMBOLS

404.001	Standard Symbols for Traffic Signal Drawings (2 sheets)
404.002	Quadrant Detail
	PULL BOXES
	FULL BOXES
404.110	No. 3 1/2 Pull Box
404.120	No. 5 Pull Box
404.121	Reinforced Plastic Mortar Service Box Assembly #5
404.130	No. 7 Pull Box
404.131	Reinforced Plastic Mortar Service Box Assembly #7
404.139	Steel Pull Boxes
404.140(SH1)	Pull Box Street Cover
404.140(SH2)	Pull Box Cover Bonding Detail
404.141	Pull Box Foundation
	FOUNDATIONS
	FOUNDATIONS
404.201	FOUNDATIONS Type "A" Foundation
404.201 404.202	
	Type "A" Foundation
404.202	Type "A" Foundation Type "B" Foundation
404.202 404.203	Type "A" Foundation Type "B" Foundation Type "C" Foundation
404.202 404.203 404.204	Type "A" Foundation Type "B" Foundation Type "C" Foundation DELETED
404.202 404.203 404.204 404.205	Type "A" Foundation Type "B" Foundation Type "C" Foundation DELETED Type "E" Foundation
404.202 404.203 404.204 404.205 404.206	Type "A" Foundation Type "B" Foundation Type "C" Foundation DELETED Type "E" Foundation Type "F" Foundation Type "G" Foundation Type "H" Foundation
404.202 404.203 404.204 404.205 404.206 404.207	Type "A" Foundation Type "B" Foundation Type "C" Foundation DELETED Type "E" Foundation Type "F" Foundation Type "G" Foundation Type "H" Foundation Type "L" Foundation
404.202 404.203 404.204 404.205 404.206 404.207 404.208	Type "A" Foundation Type "B" Foundation Type "C" Foundation DELETED Type "E" Foundation Type "F" Foundation Type "G" Foundation Type "H" Foundation Type "L" Foundation
404.202 404.203 404.204 404.205 404.206 404.207 404.208 404.209	Type "A" Foundation Type "B" Foundation Type "C" Foundation DELETED Type "E" Foundation Type "F" Foundation Type "G" Foundation Type "H" Foundation Type "L" Foundation Type "L" Foundation
404.202 404.203 404.204 404.205 404.206 404.207 404.208 404.209	Type "A" Foundation Type "B" Foundation Type "C" Foundation DELETED Type "E" Foundation Type "F" Foundation Type "G" Foundation Type "H" Foundation Type "L" Foundation

DRAWING NUMBER

CABINET

404.304	Type V Cabinet	
404.305	Type VI Cabinet	
404.307	Type VIII Cabinet	
404.308	Type IX Cabinet	
404.309	Flashing Beacon Controller Cabinet	
404.310	Wiring Diagram for Flashing Beacon Timer Controlled Operation	
PRIORITY VEHICLE PREEMPTION SYSTEM		
404.320	DELETED - See Uniform Standard Specifications Subsection 623T.02.12	
POLES AND POSTS		
404.400(SH1)	School Flashing Sign on Pole with Luminaire	
404.400(SH2)	School Flashing Sign on Type-III Pole	
404.401(SH1)	Pedestrian Push Button Post for Special Sign (8'-6")	
404.401(SH2)	Pedestrian Push Button Post for 2-1/2" Post Top Mounting	
404.402	Signal Standard Type 1-A, 1-B	
404.403	Sign Post with School Sign Mounted (2 sheets)	
404.404	DELETED	
404.405	Pedestal for Controller Cabinets	
404.406	Type XX & XX-A 30' Signal and Luminaire Pole (6 sheets)	
404.407(SH1)	Type XX 20' Signal Pole (45' or Less Mast Arms)	
404.407(SH2)	Type XXA – 20'-0" (50' through 60' Mast Arms) Signal Pole	
404.408	DELETED	
404.409(SH1)	Base Adaptor Plate for Type "H" Foundation	
404.409(SH2)	Base Adaptor Plate for Type "L" Foundation	
404.410	30' Luminaire with School Flashing Sign	
404.411	School Sign Mounted on a Traffic Signal Standard	
404.412	School Sign Pole Type XX 30'	
404.413	School Sign Pole Type XX 20'	
404.414	Streetlighting Pole with Illuminated Street Name Sign	

DRAWING NUMBER

POLES AND POSTS (CON'T)

404.415	Type III Pole with Illuminated Street Name Sign
404.416	Type XX Pole with Illuminated Street Name Sign
404.417	Street Name Sign Internally Illuminated
404.418	Sign Mounting Illustration
404.420	Block Number Sign
	MAST ARMS AND ASSEMBLIES
404.500	DELETED
404.501	DELETED
404.502	One Bolt Simplex Arm Attachment Clamp Assembly
404.503	Retrofit Streetlight Mast Arm
	DRILLING DETAILS
404.600	Pole Drilling Details
404.601	Island Signal Pole Details for 10' Pole
	ISLAND EQUIPMENT
404.700	Island Signal Location
	DETECTORS
404.800	DELETED - See Uniform Standard Specifications
	Subsection 623T.02.04
404.801	DELETED - See Uniform Standard Specifications Subsection 623T.02.04
404.810	Sawcut Details for Induction Loops
404.811	Details at Loop Pull Box
404.820	1 Induction Loop for 1 Travel Lane
404.821(SH1)	1 Induction Loop for 2 Travel Lanes
404.821(SH2)	2 Induction Loops for 2 Travel Lanes
404.822(SH1)	1 Induction Loop for 3 Travel Lanes
404.822(SH2)	3 Induction Loops for 3 Travel Lanes

DRAWING NUMBER

DETECTORS (CON'T)

404.823(SH1)	1 Induction Loop for 4 Travel Lanes
404.823(SH2)	4 Induction Loops for 4 Travel Lanes
404.825	3 Induction Loops for 3 Travel Lanes
404.826	Multiple Loop System for Thru Lane
404.827	Multiple Loop System for for Left Turn Pocket
404.828	Type "Quadrapole" Loop Installation
404.829	Wire Diagrams for Multiple Loop Systems for Left Turn Pocket and Thru Lane
404.830	Circular Induction Loops for Travel Lanes
404.851	Pedestrian Push Button Detectors
	BACK PLATES
404.900	Louvered Backplate for Mast Arm Mounted Signal
404.901	Louvered Backplate for Pole Mounted Signal
404.902	Louvered Backplate for 5 Section Signal Head
404.903	Louvered Backplate for 5 Section Signal Head
	SIGNAL UNITS
404.1005	Bill of Materials - Signal Assemblies
	SIGNAL ASSEMBLIES
404.1011	Types: A-1, A-2T, A-3
404.1012	Types: A-4T, A-5T
404.1013	Type: A-6T
404.1015	Types: A-8T, A-9T
404.1016	Types: A-10T, A-11T
404.1017	Types: A-12T, A-13T
404.1018	Types: A-14T, A-15T
404.1019	Type: A-16T
404.1020	Type: A-17T

DRAWING NUMBER

MAST ARM SIGNAL ASSEMBLIES

404.1022	Types: M-2A, M-3A	
404.1023	Types: M-3, M-2	
SIGNAL ASSEMBLIES		
404.1024	Types: B-1T, B-2T, B-3T	
404.1025	Types: B-5T, B-6T	
404.1026	Types: B-7T, B-8T, B-9T	
404.1027	Types: B-10, B-11T	
404.1028	Types: B-12T, B-13T	
404.1029	Type: B-14T	
404.1030	Protective/Permissive M-5 Signal Heads	
404.1031	Protective/Permissive M-5 Signal Heads, Assemblies and Part List	
	(3 sheets)	
404.1032	Pedestrian Signal Assemblies W-0T, W-1, W-2T, W-3T, W-1T	
404.1033	DELETED	
404.1034	Pedestrian Push Button Sign Detail	
VISORS AND LOUVERS		
404 1100(CH1)	Vicore for Q" Cional	
404.1100(SH1)	Visors for 8" Signal Louvers and Visors for 12" Signal	
404.1100(SH2)	Louvers and Visors for 12" Signal	
404.1100(SH2) 404.1100(SH3)	Louvers and Visors for 12" Signal Geometrically Programmed Louver	
404.1100(SH2)	Louvers and Visors for 12" Signal	
404.1100(SH2) 404.1100(SH3)	Louvers and Visors for 12" Signal Geometrically Programmed Louver	
404.1100(SH2) 404.1100(SH3) 404.1101	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly SIGNAL HARDWARE	
404.1100(SH2) 404.1100(SH3)	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly	
404.1100(SH2) 404.1100(SH3) 404.1101 404.1200	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly SIGNAL HARDWARE Miscellaneous Signal Mounting Hardware Pole Plate Details	
404.1100(SH2) 404.1100(SH3) 404.1101 404.1200 404.1201	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly SIGNAL HARDWARE Miscellaneous Signal Mounting Hardware	
404.1100(SH2) 404.1100(SH3) 404.1101 404.1200 404.1201 404.1202	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly SIGNAL HARDWARE Miscellaneous Signal Mounting Hardware Pole Plate Details Miscellaneous Signal Mounting Hardware	
404.1100(SH2) 404.1100(SH3) 404.1101 404.1200 404.1201 404.1202 404.1203	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly SIGNAL HARDWARE Miscellaneous Signal Mounting Hardware Pole Plate Details Miscellaneous Signal Mounting Hardware Elevator Plumbizer	
404.1100(SH2) 404.1100(SH3) 404.1101 404.1200 404.1201 404.1202 404.1203 404.1204	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly SIGNAL HARDWARE Miscellaneous Signal Mounting Hardware Pole Plate Details Miscellaneous Signal Mounting Hardware Elevator Plumbizer Pole Plate with Wire Guide Details	
404.1100(SH2) 404.1100(SH3) 404.1101 404.1200 404.1201 404.1202 404.1203 404.1204 404.1205	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly SIGNAL HARDWARE Miscellaneous Signal Mounting Hardware Pole Plate Details Miscellaneous Signal Mounting Hardware Elevator Plumbizer Pole Plate with Wire Guide Details 4 Way Center Hub	
404.1100(SH2) 404.1100(SH3) 404.1101 404.1200 404.1201 404.1202 404.1203 404.1204 404.1205 404.1206	Louvers and Visors for 12" Signal Geometrically Programmed Louver Backplate and Signal Head Assembly SIGNAL HARDWARE Miscellaneous Signal Mounting Hardware Pole Plate Details Miscellaneous Signal Mounting Hardware Elevator Plumbizer Pole Plate with Wire Guide Details 4 Way Center Hub Standard Malleable Pipe Hardware 1½" IPS	

DRAWING NUMBER

SIGNAL HARDWARE (CON'T)

404.1210 404.1211 404.1212	One Way Mount One Way Mount for 3M Signals One Way Mount Detail
EQUIPMENT ORIENTATION ON SIGNAL POLES	
404.1300(SH1) 404.1300(SH2)	Pole Location and Signal Mounting at Intersection Pole Location and Signal Mounting at Intersection (Center of Return)
404.1301	Pole Location and Signals Mounting on Right Turn Islands
404.1302(SH1)	Future Pole Location Case I (Except City of Las Vegas)
404.1302(SH2)	Future Pole Location Case II
404.1306	Typical Traffic Signal Conduit Layout with Streetlighting
MISCELLANEOUS	
404.1410	12" Arrow Lens
404.1412	Single Meter Service Pedestal
404.1413	120/240 VAC Service on Wood Pole Overhead Service
404.1414	Auxiliary Cabinet Equipment Wiring
404.1418	Installation of Conduit into Pull Box from Lip of Gutter Trench
404.1419	Installation of Conduit
404.1422	DELETED - See Uniform Standard Specifications
Subsection 623G.03.07	

Revised December 2002

