

CITY OF SAN ANTONIO, TEXAS
MARKET STREET REALIGNMENT
GOVERNING SPECIFICATIONS

All standard City of San Antonio, Texas Department of Transportation, and San Antonio Water System specifications, special provisions and special specifications applicable to this project are identified as follows:

CITY OF SAN ANTONIO
STANDARD SPECIFICATIONS FOR CONSTRUCTION (JUNE 2008)

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
100	MOBILIZATION
101	PREPARING RIGHT-OF-WAY
102	OBLITERATING ABANDONED STREET
106	BOX CULVERT EXCAVATION AND BACKFILLING
202	PRIME COAT
203	TACK COAT
204	SURFACE TREATMENTS
208	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT
306	STRUCTURAL EXCAVATION
308	DRILLED SHAFTS AND UNDER-REAMED FOUNDATIONS
309	PRECAST REINFORCED CONCRETE BOX CULVERTS
401	REINFORCED CONCRETE PIPE
403	STORM SEWER JUNCTION BOXES AND INLETS
406	JACKING, BORING AND TUNNELING
407	CONCRETE ENCASEMENT, CRADLES, SADDLES, AND COLLARS
409	CAST IRON CASTINGS
410	SUBGRADE FILLER
500	CONCRETE CURB, GUTTER, AND CONCRETE CURB AND GUTTER
502	CONCRETE SIDEWALKS AND DRIVEWAYS
503	ASPHALTIC CONCRETE, PORTLAND CEMENT CONCRETE, AND GRAVEL DRIVEWAYS
504	CONCRETE MEDIANS AND ISLANDS
506	CONCRETE RETAINING WALL – COMBINATION TYPE
507	CHAIN LINK WIRE FENCE
524	CONCRETE STEPS
525	CONCRETE TRAFFIC BARRIERS (PORTABLE)
526	FIELD OFFICE
531	SIGNS
535	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS
536	PREFORMED PLASTIC PAVEMENT MARKINGS
537	RAISED PAVEMENT MARKERS

539 INTERSECTION GRADE PAVEMENT TAPE

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
540	TEMPORARY EROSION, SEDIMENTATION AND WATER POLLUTION PREVENTION AND CONTROL
542	TEMPORARY SEDIMENT CONTROL FENCE (SILT FENCE)
543	CONSTRUCTION EXIT
550	TRENCH EXCAVATION SAFETY PROTECTION
551	SPECIAL SHORING
600	TRAFFIC SIGNAL GENERAL CONDITIONS
615	TRAFFIC SIGNAL CONTROLLER CABINET
618	CONDUIT
620	ELECTRICAL CONDUCTORS
624	GROUND BOXES
628	ELECTRICAL SERVICES
633	BATTERY BACKUP SYSTEM FOR TRAFFIC SIGNAL
655	CONTROLLER FOUNDATION AND PEDESTAL POSTS
680	INSTALLATION OF HIGHWAY TRAFFIC SIGNALS
681	TEMPORARY TRAFFIC SIGNALS
682	VEHICLE AND PEDESTRIAN SIGNAL HEADS
683	LED COUNTDOWN PEDESTRIAN SIGNAL MODULE
684	TRAFFIC SIGNAL CABLES
686	TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL)
687	PEDESTAL POLE ASSEMBLIES
688	PEDESTRIAN DETECTORS AND VEHICLE LOOP DETECTORS
693	INTERNALLY LIGHTED STREET NAME SIGN ASSEMBLIES
695	EMERGENCY VEHICLE TRAFFIC SIGNAL PRIORITY CONTROL SYSTEM
696	RADAR VEHICLE DETECTION DEVICES (RVDD)
700	SCHEDULE
1000	WEB PORTAL

SPECIAL
PROVISIONS

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
	SPECIAL PROVISION UPDATE MAY 2009
	SPECIAL PROVISION UPDATE FEBRUARY 2010
	SPECIAL PROVISION UPDATE JUNE 2010
	SPECIAL PROVISION UPDATE TO THE GENERAL CONDITIONS
526SPL	FIELD OFFICE
680SPL	INSTALLATION OF HIGHWAY TRAFFIC SIGNALS

SPECIAL
SPECIFICATIONS

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
9000	PROJECT SIGNS
9001	GROUT COLUMNS
9002	TEMPORARY SUSPENSION OF WORK
9003	SITE FURNISHINGS
9004	LANDSCAPE CONCRETE COLOR AND FINISHES
9005	CRUSHED STONE, GRAVEL, AND COBBLES
9006	IRRIGATION
9007	PLANTING
9008	SUBSURFACE DRAINAGE FOR LANDSCAPE AREAS
9009	GEOGRID FOR BASE AND EMBANKMENT REINFORCEMENT
9010	VALMONT ROUND TAPERED FLUTED POLE
9011	VALMONT WINDSOR ARM
9012	VALMONT HUNTINGTON BASE
9013	GREENSTAR LED LUMINAIRE, GALAXY XD SERIES
9014	LANDSCAPEFORMS ALCOTT PEDESTRIAN LIGHT
9015	LANDSCAPEFORMS HAWTHORN BOLLARD LIGHT
9016	STORMWATER PLANTER
9100	AT&T TELECOMMUNICATION SYSTEM
9200	CPS ENERGY ELECTRICAL CONDUIT SYSTEM
9201	CPS ENERGY NATURAL GAS DISTRIBUTION SYSTEM

TEXAS DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF
HIGHWAYS, STREETS, AND BRIDGES 2004

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
0104	REMOVING CONCRETE
0110	EXCAVATION
0132	EMBANKMENT
0160	TOPSOIL
0164	BROADCAST SEED
0168	VEGETATIVE WATERING
0247	FLEXIBLE BASE
0310	PRIME COAT
0340	DENSE-GRADED HOT-MIX ASPHALT (METHOD)
0342	PERMEABLE FRICTION COURSE (PFC)
0400	EXCAVATION AND BACKFILL FOR STRUCTURES
0401	FLOWABLE BACKFILL
0403	TEMPORARY SPECIAL SHORING
0416	DRILLED SHAFT FOUNDATIONS
0420	CONCRETE STRUCTURES
0421	HYDRAULIC CEMENT CONCRETE
0422	REINFORCED CONCRETE SLAB
0423	RETAINING WALLS
0424	PRECAST CONCRETE STRUCTURES (FABRICATION)
0425	PRECAST PRESTRESSED CONCRETE STRUCTURAL MEMBERS
0426	PRESTRESSING
0427	SURFACE FINISHES FOR CONCRETE
0428	CONCRETE SURFACE TREATMENT
0432	RIPRAP
0434	ELASTOMERIC BRIDGE BEARING
0440	REINFORCING STEEL
0441	STEEL STRUCTURES
0442	METAL FOR STRUCTURES
0445	GALVANIZING
0447	STRUCTURAL BOLTING
0448	STRUCTURAL FIELD WELDING
0449	ANCHOR BOLTS
0450	RAILING
0454	BRIDGE EXPANSION JOINTS
0460	CORRUGATED METAL PIPE
0464	REINFORCED CONCRETE PIPE
0465	MANHOLES AND INLETS
0471	FRAMES, GRATES, RINGS, AND COVERS
0481	PVC PIPE FOR DRAINS
0496	REMOVING STRUCTURES
0502	BARRICADES, SIGNS, AND TRAFFIC HANDLING

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
0512	PORTABLE CONCRETE TRAFFIC BARRIER
0540	METAL BEAM GUARD FENCE
0542	REMOVING METAL BEAM GUARD FENCE
0545	CRUSH CUSHION ATTENUATORS
0556	PIPE UNDERDRAINS
0610	ROADWAY ILLUMINATION ASSEMBLIES
0617	TEMPORARY ROADWAY ILLUMINATION
0618	CONDUIT
0620	ELECTRICAL CONDUCTORS
0624	GROUND BOXES
0628	ELECTRICAL SERVICES
0636	ALUMINUM SIGNS
0644	SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES
0647	LARGE ROADSIDE SIGN SUPPORTS AND ASSEMBLIES
0650	OVERHEAD SIGN SUPPORTS
0658	DELINEATOR AND OBJECT MARKER ASSEMBLIES
0662	WORKZONE PAVEMENT MARKINGS
0666	REFLECTORIZED PAVEMENT MARKINGS
0672	RAISED PAVEMENT MARKERS
0677	ELIMINATE EXISTING PAVEMENT MARKINGS AND MARKERS
0681	TEMPORARY TRAFFIC SIGNALS
0682	VEHICLE AND PEDESTRIAN SIGNAL HEADS
0690	MAINTENANCE OF TRAFFIC SIGNALS
6007	REMOVING TRAFFIC SIGNALS
6834	PORTABLE CHANGEABLE MESSAGE SIGN

SPECIAL PROVISIONS

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
132-007	EMBANKMENT
416-001	DRILLED SHAFT FOUNDATIONS
420-002	CONCRETE STRUCTURES
421-035	HYDRAULIC CEMENT CONCRETE
424-002	PRECAST CONCRETE STRUCTURES (FABRICATION)
425-001	PRECAST PRESTRESSED CONCRETE STRUCTURAL MEMBERS
448-002	STRUCTURAL FIELD WELDING
450-001	RAILING

SPECIAL SPECIFICATIONS

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
535.XX	BIKE PAVEMENT MARKINGS
4601	PRESTRESSED GROUND ANCHORS
8260	LED COUNTDOWN PEDESTRIAN SIGNAL MODULE

8615

RADAR ADVANCE DETECTION DEVICES

SAN ANTONIO WATER SYSTEM
SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION
JUNE 2009

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
550	TRENCH EXCAVATION SAFETY PROTECTION
804	EXCAVATION, TRENCHING AND BACKFILL
808	REINFORCED CONCRETE VAULTS
814	DUCTILE IRON PIPE
816	STEEL PIPE INSTALLATION
818	PVC (C-900) PIPE INSTALLATION
820	CONCRETE STEEL CYLINDER PIPE INSTALLATION
824	SERVICE SUPPLY LINES
828	GATE VALVES
830	BUTTERFLY VALVES
831	CUT-IN TEES
833	METER AND METER BOX INSTALLATION
834	FIRE HYDRANTS
836	GREY-IRON AND DUCTILE-IRON FITTINGS
839	ANCHORAGE AND THRUST BLOCKING
840	WATER TIE-INS
841	HYDROSTATIC TESTING OPERATIONS
844	BLOWOFF ASSEMBLIES
846	AIR RELEASE ASSEMBLIES
847	DISINFECTION
856	JACKING, BORING OR TUNNELING PIPE
858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS
862	ABANDONEMENT OF SEWER MAINS AND MANHOLES

SPECIAL SPECIFICATIONS

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
3000	REMOVAL, TRANSPORT AND DISPOSAL OF AC PIPE

Chilled Water and Recycled Water

DIVISION 1 - GENERAL REQUIREMENTS

010010	SUMMARY OF WORK
010025	MEASUREMENT AND PAYMENT
010300	SUBMITTALS
010400	QUALITY CONTROL
010720	PROJECT RECORD DOCUMENTS

DIVISION 2 – EXISTING CONDITIONS (NOT USED)

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
DIVISION 3 – CONCRETE	
030600	GROUT
DIVISION 4 – MASONRY (NOT USED)	
DIVISION 5 – METALS (NOT USED)	
DIVISION 6 – WOOD, PLASTICS AND COMPOSITES (NOT USED)	
DIVISION 7 – THERMAL AND MOISTURE PROTECTION (NOT USED)	
DIVISION 8 – OPENINGS (NOT USED)	
DIVISION 9 - FINISHES	
090900	PAINTING
DIVISION 10 – SPECIALTIES (NOT USED)	
DIVISION 11 – EQUIPMENT (NOT USED)	
DIVISION 21 – FIRE SUPPRESSION (NOT USED)	
DIVISION 22 – PLUMBING (NOT USED)	
DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING (NOT USED)	
DIVISION 26 – ELECTRICAL	
260110	CATHODIC PROTECTION
DIVISION 27 – COMMUNICATION (NOT USED)	
DIVISION 28 – ELECTRIC SAFETY & SECURITY (NOT USED)	
DIVISION 31 – EARTHWORK	
(In Accordance with COSA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SAWS SPECIFICATIONS FOR WATER & SANITARY SEWER CONSTRUCTION)	
DIVISION 32 – EXTERIOR IMPROVEMENTS	
(In Accordance with COSA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SAWS SPECIFICATIONS FOR WATER & SANITARY SEWER CONSTRUCTION)	
DIVISION 33 – UTILITIES	
330500	COMMON WORK RESULTS
332600	RECYCLED WATER MAIN PIPE
332640	VALVES
336313	UNDERGROUND CHILLED WATER