**DISTRICT 4 CADD STANDARDS BY SECTION & NUMBER**

 **200** **EARTHWORK AND EROSION CONTROL**

205001-D4 SLOPE STEPS DETAIL

205101-D4 SETTLEMENT PLATFORM

210001-D4 GEOTECHNICAL REINFORCEMENT FOR SIDE SLOPES

280101-D4 EROSION CONTROL AGGREGATE DITCH CHECK

281001-D4 RIPRAP DITCH FOR EROSION PROTECTION

281002-D4 SLOPE BERMS AND DRAINAGE WAYS

281101-D4 RIPRAP ENERGY DISSIPATOR

284001-D4 WATERWAY EROSION CONTROL, DOWNSTREAM TREATMENT, GABION

 WEIR (2 SHTS)

285101-D4 WATERWAY EROSION CONTROL, UPSTREAM TREATMENT, FABRIC

 FORMED CONCRETE REVETMENT MATS (2 SHTS)

285106-D4 WATERWAY EROSION CONTROL, UPSTREAM TREATMENT, PIPE DRAIN

 WITH CONCRETE WEIR (2 SHTS)

285111-D4 WATERWAY EROSION CONTROL, UPSTREAM TREATMENT, PIPE DRAIN

 WITH INLET (2 SHTS)

285116-D4 WATERWAY EROSION CONTROL, DOWNSTREAM TREATMENT, CONCRETE

 WEIR (2 SHTS)

285121-D4 WATERWAY EROSION CONTROL, DOWNSTREAM TREATMENT, FABRIC

 FORMED CONCRETE REVETMENT MATS (2 SHTS)

 **400 PAVEMENT, REHABILITATION AND SHOULDERS**

406001-D4 PAVEMENT OVERLAY UNDER STRUCTURES, SPECIAL TREATMENT

406006-D4 SAFETY EDGE

406101-D4 BUTT JOINTS (3 SHTS)

406201-D4 MAILBOX TURNOUTS FOR 3R PROJECTS

406211-D4 MAILBOX TURNOUTS IN TYPE A GUTTER, (MODIFIED) SECTION

406301-D4 RURAL ENTRANCES FOR 3R PROJECTS (2 SHTS)

406401-D4 RURAL SIDEROADS FOR 3R PROJECTS

406501-D4 URBAN SIDEROADS FOR 3R PROJECTS

420101-D4 PORTABLE SCALE TURNOUT FOR NEW HOT MIX ASPHALT CONSTRUCTION

420201-D4 PORTABLE SCALE TURNOUT FOR WIDENING & RESURFACING AND

 RESURFACING PROJECTS

420301-D4 EXPANSION JOINT (SPECIAL) DETAIL

420401-D4 BRIDGE APPROACH DETAIL

423001-D4 SUBURBAN ENTRANCES WITH CURBED RADII

423002-D4 URBAN ENTRANCES WITHOUT SIDEWALKS

423003-D4 URBAN ENTRANCES CLOSELY SPACED WITHOUT SIDEWALKS

423101-D4 URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR CURBLINE

 SIDEWALKS (2 SHTS)

423106-D4 URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR SEPARATED

 SIDEWALKS (2 SHTS)

423111-D4 URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, SPECIAL DESIGN

 FOR CURBLINE SIDEWALKS (2 SHTS)

423116-D4 URBAN ENTRANCES, SPECIAL DESIGN FOR CLOSELY SPACED ENTRANCES

 (WITH PAVEMENT EDGE CURB BETWEEN ENTRANCES) (2 SHTS)

423121-D4 URBAN ENTRANCES, SPECIAL DESIGN FOR CLOSELY SPACED ENTRANCES

 (WITHOUT PAVEMENT EDGE CURB BETWEEN ENTRANCES) (2 SHTS)

423201-D4 MAILBOX TURNOUTS IN CURB AND GUTTER SECTION

424101-D4 COMBINATION CONCRETE CURB-SIDEWALK 4” (100MM)

424106-D4 COMBINATION CONCRETE CURB-SIDEWALK 4” (100MM), (SPECIAL)

440001-D4 HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

440101-D4 HOT MIX ASPHALT SURFACE REMOVAL OVER PATCHES

440201-D4 SLAB MOVEMENT DETECTION DEVICE

452001-D4 CRACK AND JOINT SEALING

 **DISTRICT 4 CADD STANDARDS BY SECTION & NUMBER**

 **500 BRIDGES AND CULVERTS**

503001-D4 CONCRETE DITCH CHECK

503101-D4 SPECIAL DROP OUTLET DETAIL

503201-D4 DETAIL OF CONCRETE STEPS AND PIPE HANDRAIL; 7” (175MM) RISER;

 11”(275MM) TREAD

503301-D4 SILICONE JOINT SEAL

503401-D4 DETAIL OF CONCRETE DECK WEARING SURFACE AND QUANTITIES

505001-D4 BEARING PLATE DETAIL

510001-D4 DETAIL OF PIPE HANDRAIL FASTENING

510101-D4 DETAIL OF PIPE HANDRAIL FOR MORTARED STONE WALL AND MODULAR

 RETAINING WALL

540000-D4 DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERTS

540001-D4 COLLAR FOR BOX CULVERT EXTENSIONS

540002-D4 COLLAR FOR BOX CULVERT EXTENSIONS WITH HEADWALL REMOVAL

540101-D4 PRECAST BOX CULVERT EXTENSION COLLAR

540106-D4 PRECAST SKEWED BOX CULVERT EXTENSION COLLAR

540301-D4 GRATING FOR PRECAST BOX CULVERT END SECTIONS; FOR 36"x36"

 (900MM x 900MM) & 4’x4’ (1.2M x 1.2M) BOXES

540401-D4 PRECAST CONCRETE BOX CULVERTS (SPECIAL) , END SECTION

 (SPECIAL), AND DROP BOX END SECTIONS (SPECIAL)

542001-D4 PIPE CULVERT EXTENSION COLLAR (WITH END SECTION)

542011-D4 SKEWED PIPE CULVERT EXTENSION COLLAR (WITH END SECTION)

542016-D4 PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)

542301-D4 PRECAST REINFORCED CONCRETE FLARED DROP BOX END SECTION

582001-D4 ABUTMENT JOINT MODIFICATIONS FOR DECK RESURFACING

582101-D4 BRIDGE WEARING SURFACE BITUMINOUS OVERLAY DETAILS

 **600 DRAINAGE**

601001-D4 UNDERDRAIN OUTLET PROTECTION

601101-D4 SLOPE DRAIN DETAILS FOR BURIED PIPES

601106-D4 SLOPE DRAIN DETAILS FOR EXPOSED PIPES

601201-D4 BACKSLOPE DRAINS

601301-D4 PIPE ELBOW

601401-D4 DETAILS OF SEEPAGE COLLARS FOR BURIED PIPES

601501-D4 DETAILS OF SEEPAGE COLLARS FOR EXPOSED PIPES

601701-D4 SLOTTED VANE DRAIN

602001-D4 INLETS, TYPE G-1

602002-D4 INLETS, TYPE G-2

602006-D4 INLETS, TYPE G-1, SPECIAL

602011-D4 INLETS, TYPE G-1 DOUBLE

602016-D4 INLETS, TYPE G-1 DOUBLE, SPECIAL

602021-D4 INLET - MANHOLE, TYPE G-1

602026-D4 INLET - MANHOLE, TYPE G-1, SPECIAL

602101-D4 PRECAST REINFORCED CONCRETE FLAT SLAB TOP FOR INLET-MANHOLE,

 TYPE G-1 AND TYPE G-1, SPECIAL

602201-D4 INLET SPECIAL TYPES 1, 2, & 3 (2 SHTS)

602301-D4 INLETS, SPECIAL WITH TYPE 5 MODIFIED FRAME, CLOSED LID

602401-D4 TEMPORARY INLET DRAINAGE TREATMENT

602501-D4 MANHOLE, SPECIAL

602601-D4 DRYWELL

604001-D4 FRAME AND GRATES FOR TYPE G-1 AND TYPE G-1, SPECIAL DRAINAGE

 STRUCTURES

604002-D4 FRAME AND GRATES FOR TYPE G-2 DRAINAGE STRUCTURES

604101-D4 MEDIAN INLET (604101), SPECIAL AND MEDIAN INLET (604106), SPECIAL

604201-D4 FRAME & GRATE ADJUSTING RING

604301-D4 TYPE 37 GRATE

606001-D4 CONCRETE CURB, TYPE B (MODIFIED)

 **DISTRICT 4 CADD STANDARDS BY SECTION & NUMBER**

606002-D4 SPECIAL DETAIL OF M-2.06 (M-5.15) AND M-2.12 (M-5.30) CURB

606101-D4 TYPE A GUTTER (MODIFIED), (INLET, OUTLET AND ENTRANCE) (3 SHTS)

606106-D4 OUTLET TYPE 1 (SPECIAL) FOR TYPE A GUTTER (SPECIAL)

606201-D4 TYPE B GUTTER (MODIFIED), (INLET,OUTLET AND ENTRANCE) (3 SHTS)

606206-D4 TRANSITION FROM CONCRETE CURB AND GUTTER TYPE B-6.12 (B-15.30)

 TO OUTLET FOR TYPE B GUTTER (MODIFIED)

606301-D4 P.C. CONCRETE ISLANDS AND MEDIANS (CONSTRUCTED ON TOP OF

 EXISTING PAVEMENT) (2 SHTS)

606306-D4 CORRUGATED MEDIAN (MODIFIED)

609001-D4 CONCRETE THRUST BLOCKS

611001-D4 STORM SEWER PROTECTED

 **630 SAFETY**

630011-D4 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6.75 FOOT POSTS (4 SHTS)

630101-D4 GUARDRAIL EROSION CONTROL TREATMENTS (2 SHTS)

635001-D4 DELINEATORS, SPECIAL

650001-D4 MEDIAN SAND MODULE IMPACT ATTENUATOR 55 MPH DESIGN -

 40’ MEDIAN

650002-D4 MEDIAN SAND MODULE IMPACT ATTENUATOR 70 MPH DESIGN -

 40’ MEDIAN

650003-D4 MEDIAN SAND MODULE IMPACT ATTENUATOR 55 MPH DESIGN -

 64’ MEDIAN

650004-D4 MEDIAN SAND MODULE IMPACT ATTENUATOR 70 MPH DESIGN -

 64’ MEDIAN

650005-D4 MEDIAN SAND MODULE IMPACT ATTENUATOR 55 MPH DESIGN -

 70’ MEDIAN

650006-D4 MEDIAN SAND MODULE IMPACT ATTENUATOR 70 MPH DESIGN -

 70’ MEDIAN

 **660 FENCING, MARKERS AND MISCELLANEOUS**

660001-D4 MORTARED STONE WALL

660101-D4 MODULAR RETAINING WALL SYSTEM DETAIL

660201-D4 BICYCLE RACK

667101-D4 PERMANENT SURVEY TIE AND PERMANENT SURVEY MARKERS TYPE I &

 TYPE II

667106-D4 PERMANENT SURVEY MARKER TYPE II (SPECIAL)

 **700 TRAFFIC CONTROL**

701301-D4 NIGHTTIME LIGHTING INSPECTION

701331-D4 LANE CLOSURE, 2L, 2W, WITH RUNAROUND, ADJACENT TO EXISTING

 PAVEMENT FOR SPEEDS >= 45 MPH (STD 701331 SPECIAL)

702001-D4 TEMPORARY BITUMINOUS MEDIAN

 **720 SIGNING**

720001-D4 SIGNING SCHEDULE

720006-D4 GROUND MOUNT SIGN STRUCTURE DETAILS

720011-D4 TABULATION OF WOOD POST MOUNTED SIGNS

 **780 PAVEMENT MARKING**

780001-D4 TYPICAL PAVEMENT MARKINGS (2 SHTS)

 **800 ELECTRICAL**

836002-D4 DETAIL FOR TRAFFIC COUNTERS USING TERMINAL FACILITY