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VOLUME II

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IDOT DISTRICT 1 STANDARDS

BD-01	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5 m)
BD-02	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OR CURB IS LESS THAN 15' (4.5 m)
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER MANHOLE WITH RESTRICTOR PLATE
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
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TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
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TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
(7 SHEETS)	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	THICKNESS	VOIDS
PAVEMENT - IL RTE 56, ORCHARD RD, CROMWELL DR AND OTHER SIDEROAD RADIUS RETURNS (HMA PAVEMENT (FULL DEPTH) 14")	2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	2"	3.5% @ 80 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0mm, N90	10"	4% @ 90 Gyr
PAVEMENT - HERRICK RD & NAPERVILLE RD (HMA PAVEMENT (FULL DEPTH) 13")	2"	4% @ 90 Gyr
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5mm)	2"	4% @ 90 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0mm, N90	11"	4% @ 90 Gyr
WIDENING AND RESURFACING - WIESBROOK RD.		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	2"	4% @ 90 Gyr
LEVELING BINDER (MACHINE METHOD), N50	3/4"-2 1/4"	4% @ 50 Gyr
HOT-MIX ASPHALT BASE COURSE WIDENING, 11"	11"	4% @ 70 Gyr
SHOULDERS - IL RTE 56, ORCHARD RD AND OTHER SIDEROAD RADIUS RETURNS (HMA SHOULDERS, 14")	2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	2"	3.5% @ 80 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0mm, N90	10"	4% @ 90 Gyr
SHOULDERS - HERRICK RD (HMA SHOULDERS, 8")		
HOT-MIX ASPHALT SHOULDERS, 8"	8"	2% @ 30 Gyr
PATCHING		
CLASS D PATCHES OF TYPE AND THICKNESS SPECIFIED (HMA BINDER IL-19mm)	10"	4% @ 70 Gyr
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	2"	4% @ 70 Gyr
TEMPORARY PAVEMENT		
TEMP PAVEMENT (HMA BINDER IL-19mm)	7 3/4"	4% @ 50 Gyr
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	1 1/2"	4% @ 50 Gyr
NAPERVILLE ROAD MEDIAN		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL-9.5mm)	1 1/2"	4% @ 50 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0mm, N50	3"	4% @ 50 Gyr
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL-9.5mm)	2"	4% @ 50 Gyr
HOT-MIX ASPHALT BASE COURSE, PE-6" OR CE-8"	6" OR 8"	4% @ 50 Gyr

UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 FOR " PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-02	GRATING FOR CONCRETE FLARED END SECTION (FOR 24"(600 mm) THRU 54" (1350 mm) PIPE)
601001-04	SUBSURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-03	INLET-TYPE A
602401-03	MANHOLE TYPE A
602406-04	MANHOLE TYPE A 6' (1.8 m) DIAMETER
602411-02	MANHOLE TYPE A 7' (2.1 m) DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE TYPE 8
604046-02	FRAME AND GRATE TYPE 10
604056-03	FRAME AND GRATE TYPE 11V
604086-02	FRAME AND GRATE TYPE 23
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606101-04	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-03	CORRUGATED PC CONCRETE MEDIAN
666001-01	RIGHT OF WAY MARKERS
667101-01	PERMANENT SURVEY MARKERS
701001-02	OFF-RD 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W 15' TO 24" FROM EDGE OF PAVEMENT
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAYS ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701422-03	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-07	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
877001-04	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-04	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-08	CONCRETE FOUNDATIONS DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS