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IDOT HIGHWAY STANDARDS

000001–06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001–06	TEMPORARY EROSION CONTROL SYSTEMS
424001–06	PERPENDICULAR CURB RAMPS FOR SIDEWALK
424026	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201–03	CLASS C AND D PATCHES
542606–02	REINFORCED CONCRETE PIPE TEE
602001–02	CATCH BASIN TYPE A
602011–02	CATCH BASIN TYPE C
602301–03	INLET – TYPE A
602401–03	MANHOLE TYPE A
602406–05	MANHOLE TYPE A 6' DIAMETER
602601–02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701–02	MANHOLE STEPS
604001–03	FRAME AND LIDS TYPE 1
604036–02	GRATE TYPE 8
604051–03	FRAME AND GRATE TYPE 11
604091–02	FRAME AND GRATE TYPE 24
606001–04	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
606006–02	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B–6.24 (B–15.60)
606301–04	PC CONCRETE ISLANDS AND MEDIANS
630001–10	STEEL PLATE BEAM GUARDRAIL
631031–10	TRAFFIC BARRIER TERMINAL TYPE 6
635011–02	REFLECTOR MARKER AND MOUNTING DETAILS
637001–04	CONCRETE BARRIER, DOUBLE FACE, 32 IN. HEIGHT
638101–02	CONCRETE GLARE SCREEN
701101–02	OFF–RD OPERATIONS, MULTILANE, 15'(45 M) TO 24 " (600 MM) FROM PAVEMENT EDGE
701106–02	OFF–RD OPERATIONS, MULTILANE, MORE THAN 15'(45 M) AWAY
701326–04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701421–04	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701422–04	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥= 45 MPH TO 55 MPH
701426–04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥= 45 MPH TO 55 MPH
701501–06	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701601–07	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701–08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801–05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901–02	TRAFFIC CONTROL DEVICES
720001–01	SIGN PANEL MOUNTING DETAILS
720006–03	SIGN PANEL ERECTION DETAILS
728001–01	TELESCOPING STEEL SIGN SUPPORT
731001–01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001–03	TYPICAL PAVEMENT MARKINGS
814001–02	HANDHOLES
814006–02	DOUBLE HANDHOLES
857001–01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001–01	UNINTERRUPTIBLE POWER SUPPLY (UPS)
873001–02	TRAFFIC SIGNAL GROUNDING & BONDING
876001–02	PEDESTRIAN PUSH BUTTON POST
877001–05	STEEL MAST ARM ASSEMBLY AND POLE 16'THROUGH 55'
878001–09	CONCRETE FOUNDATION DETAILS
880001–01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006–01	TRAFFIC SIGNAL MOUNTING DETAILS
886001–01	DETECTOR LOOP INSTALLATIONS

SUPPLEMENTAL LEGEND

SEE IDOT HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION

- PAVEMENT REMOVAL
- PATCHING
- HOT–MIX ASPHALT SURFACE REMOVAL – 1/2" OR 1–1/2"
- HOT–MIX ASPHALT SURFACE REMOVAL – VARIABLE DEPTH
- EXISTING CONCRETE CURB AND GUTTER, DRIVEWAY PAVEMENT AND SIDEWALK TO BE REMOVED
- HOT–MIX ASPHALT SURFACE REMOVAL – BUTT JOINT
- EXISTING CURB OR CURB & GUTTER
- PROPOSED CURB OR CURB & GUTTER

SEWER STRUCTURE AND PIPE NOTATION

STRUCTURE TYPE	CB TY C, 2' DIA.	DIAMETER
FRAME & GRATE/LID TYPE	W/ TY IIV FR & GR	
	164+03, 14.5' LT	STATION & OFFSET
RIM OR	TC 674.64	
CURB (TC) ELEVATION	INV N,S 670.53, 12"	INVERT DIRECTION, ELEVATION & SIZE

PIPE DIAMETER	12" SS TY 1	SEWER TYPE
MATERIAL	RCCP CL IV	MATERIAL CLASS
LENGTH	7' @ 0.57%	SLOPE
TRENCH BACKFILL QUANTITY	TB 0.3 CY 2'	TRENCH BACKFILL LENGTH

STRUCTURE ADJUSTMENT / REMOVAL NOTATION

"ADJ" FOR ADJUST — ADJ 1C — "C" FOR CLOSED

"1" FRAME/LID TYPE

☒ DENOTES STRUCTURE TO BE REMOVED

PAVEMENT DESIGN INFORMATION

IL. ROUTE 47	CROSS STREET
HOT–MIX ASPHALT PAVEMENT	HOT–MIX ASPHALT PAVEMENT
CLASS I	CLASS II
80,000 LB	80,000 LB
FOUR LANE URBAN	TWO LANE URBAN
2022 ADT 25,640	2022 ADT 4,605
PV 24,230 (94.5%)	PV 4,518 (98.1%)
SU 513 (2.0%)	SU 78 (1.7%)
MU 897 (3.5%)	MU 9 (0.2%)
TF = 4.53 (ACTUAL)	TF = 0.13 (ACTUAL)
TF = 4.53 (USED)	TF = 0.50 (USED)
SSR POOR	SSR POOR
AC MIX TEMP 75°	AC MIX TEMP 75°
PG 64–22	PG 64–22
MODULUS 690 KSI	MODULUS 690 KSI
THICKNESS REQUIRED = 10 3/4"	THICKNESS REQUIRED = 7 1/4"
THICKNESS PROVIDED = 10 3/4"	THICKNESS PROVIDED = 7 1/4"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, AND LEGEND

SCALE: N/A | SHEET NO. 1 OF 1 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	10-00023-00-ES	KANE	70	2
		CONTRACT NO.63700		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT NO. M-9003(717)

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