

**HIGHWAY STANDARDS**

STANDARD NO.	DESCRIPTION
000001-06	STANDARDS, SYMBOLS, AND ABBREVIATIONS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	JOINTED PCC PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
666001-01	RIGHT-OF-WAY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-01	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-11	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-06	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

**INDEX OF SHEETS**

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**13A**  
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**14-18** **BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS**  
**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION**  
**CROSS SECTIONS**

**COMMITMENTS**

NONE

**GENERAL NOTES**

THE THICKNESS OF HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES

ALL BITUMINOUS CONCRETE -----	2.392 METRIC TONS/CU. METER (2.016 TONS/ CU. YD.)
ALL AGGREGATE -----	2.43 METRIC TONS/ CU. METER (2.05 TONS/ CU. YD.)
BITUMINOUS MATERIALS:	
ON PAVEMENT -----	0.41 LITERS/SQ. METER (0.09 GAL./SQ. YD.)
INTERMEDIATE LIFTS -----	0.41 LITERS/SQ. METER (0.09 GAL./SQ. YD.)
(FOG COAT)	
ON AGGREGATE SURFACE ----	1.45 LITERS/SQ. METER (0.32 GAL./SQ. YD.)
AGGREGATE (PRIME COAT) -----	0.0016 METRIC TONS/SQ. METER (0.0015 TONS/SQ. YD.)
RIPRAP -----	1.78 METRIC TONS/CU. METER (1.5 TONS/CU. YD.)

EMBANKMENT SHALL BE CONSTRUCTED USING STRUCTURE EXCAVATION

IF THE CONTRACTOR ELECTS TO USE PCC BASE COURSE WIDENING, SUCH WIDENING SHALL BE PRIMED ACCORDING TO ARTICLE 406.02, EXCEPT THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF THE WIDENING

AT ALL LOCATIONS WHERE EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHOULD APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.

THE CENTERLINE PAVEMENT MARKING SHOULD BE REMOVED FROM THE STOP BAR TO THE SAND ATTENUATORS OR DRUMS. EDGE LINE PAVEMENT MARKINGS SHOULD BE REMOVED IF A 10 FOOT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHOULD BE INSTALLED WHEN EDGE LINES ARE REMOVED.

ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC. THE TEMPORARY TRAFFIC SIGNALS SHALL BE SET TO FLASH ALL RED.

**MIX REQUIREMENTS**

LOCATIONS:	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"
MIXTURE USE:	HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
AC/PG:	PG64-22
RAP%(MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0mm
FRICTION AGGREGATE:	NONE

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ct:\pw_work\pwsdot\portercw\dms49697\d978091.shl.MISC.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	103	102B-1	PERRY	18 02
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PLOT DATE = 3/22/2011		DATE -	REVISED -						ILLINOIS FED. AID PROJECT					