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HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
630001-09	STEEL PLATE BEAM GUARDRAIL
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
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
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
720006-02	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 & MARKERS)
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
60101-01	CONCRETE HEADWALL FOR PIPE DRAIN
631031-09	TRAFFIC BARRIER TERMINAL, TYPE G
701311-03	

DISTRICT 4 STANDARDS

205001-D4	SLOPE STEPS DETAIL
205101-D4	SETTLEMENT PLATFORM
281001-D4	RIPRAP DITCH FOR EROSION PROTECTION
406101-D4	BUTT JOINTS (3 SHTS)
630101-D4	GUARDRAIL EROSION CONTROL TREATMENTS (2 SHTS)
635101-D4	GUARDRAIL AND BARRIER WALL DELINEATION (3 SHTS)
780001-D4	TYPICAL PAVEMENT MARKINGS (2 SHTS)

COMMITMENTS:

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.
THERE ARE NO COMMITMENTS AT THIS TIME.

STRUCTURAL DESIGN TRAFFIC:		YEAR 2021
PV = 91.6%	SU = 4.2%	MU = 4.2%
ROADWAY/STREET CLASSIFICATION:		CLASS III
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = 50%	S = 50%	M = 50%
TRAFFIC FACTOR:	ACTUAL TF = 0.29	AC TYPE = AC - 20
	MINIMUM TF = 3.79	
PG GRADE: BINDER 64-22	SURFACE = 64-22	
SUBGRADE SUPPORT RATING:		
SSR = POOR		

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE USE(S):	SURFACE COURSE	BINDER COURSE	HMA SHOULDER (SURFACE LIFT)	HMA SHOULDER (LOWER LIFTS)
AC/PG:	PG64-22	PG64-22	PG64-22	PG64-22
RAP% (MAX): **	15%	25%	15%	30%
DESIGN AIR VOIDS:	4.0%@N=50	4.0%@N=50	3.0%@N=50	4.0%@N=50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19.0	IL 9.5 OR IL 12.5	IL 19.0
FRICITION AGGREGATE:	MIXTURE D	N.A.	MIXTURE C	N.A.

NOTES:
INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN 3 X NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 X NOMINAL MAXIMUM AGGREGATE SIZE.

3.0% @ N50 SURFACE USED FOR TOP LIFT SHOULDER DUE TO TRAFFIC LOADING OF STAGED CONSTRUCTION.

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

POLYMERIZED BITUMINOUS MATERIAL (PRIME COAT) RATES

SURFACE TYPE	ESTIMATED TRUCK APPLICATION RATE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.08 GAL/S. Y. (0.00034 TON/S. Y.)	0.04 GAL/S. Y.
EXISTING PAVEMENT (NOT MILLED)	0.05 GAL/S. Y. (0.00022 TON/S. Y.)	0.025 GAL/S. Y.
FOG COAT (BETWEEN LIFTS)	0.05 GAL/S. Y. (0.00022 TON/S. Y.)	0.025 GAL/S. Y.

USER NAME = gjameson	DESIGNED -	REVISED -
FILE NAME = D468482-shs-hydr.stb	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, MIXTURE REQUIREMENTS AND COMMITMENTS
SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 542	SECTION 105BR-1	COUNTY McDONOUGH	TOTAL SHEETS 117	SHEET NO. 2
CONTRACT NO. 68482			ILLINOIS FED. AID PROJECT	