HOT-MIX ASPHALT MIXTURE REQUIREMENTS *

	HMA BINDER AND BASE COURSE	HMA LEVEL BINDER	HMA SURFACE AND INCIDENTAL
PG GRADE	PG64-22	PG64-22	SBS PG70-22
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 9.5
FRICTION AGGREGATE			MIXTURE D
DENSITY TEST METHOD	CORES	SATISFACTION OF ENGINEER	CORES

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

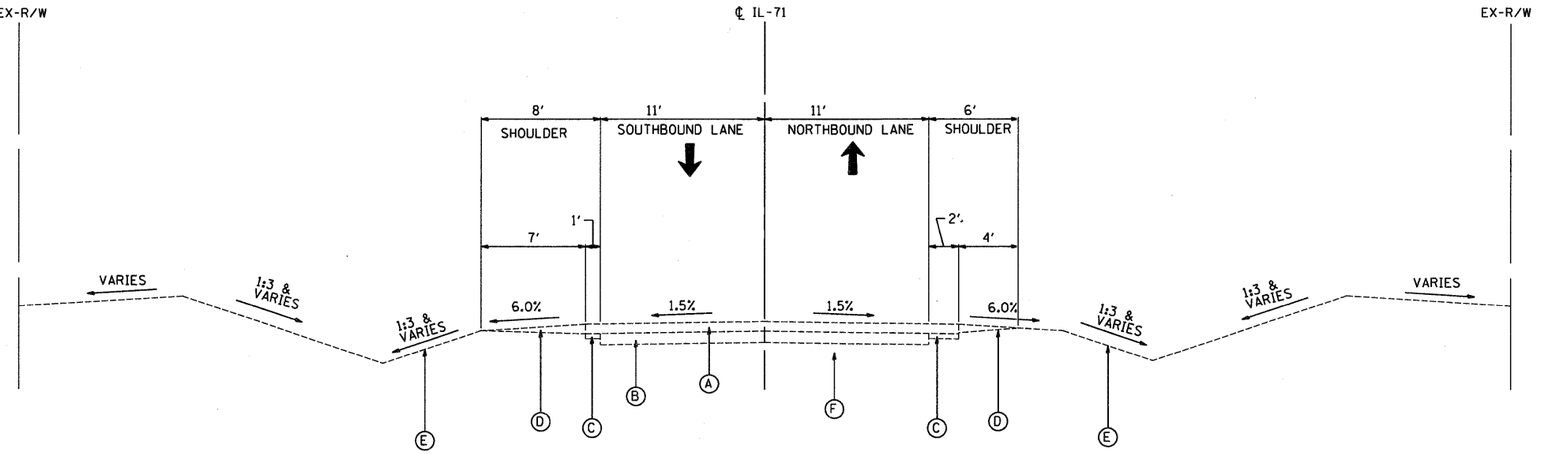
* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION

EXISTING CONDITIONS

- (A) HMA SURFACE COURSE (7-1/2" +/-)
- (B) PARTIALLY REINFORCED P.C.C. PAVEMENT (9"-6"-9")
- (C) HMA SURFACE COURSE (4")
- (D) AGGREGATE SHOULDER (WEDGE)
- (E) GRASSED SURFACE
- (F) SUBGRADE (MATERIAL VARIES)
- (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (H) HMA SURFACE TREATMENT (7-1/2" +/-)
- (I) GRAVEL OR CRUSHED STONE SURFACE COURSE, TYPE C (8" MIN.) THICKNESS INCREASED WHERE REQUIRED BY SOIL CONDITIONS
- (J) HMA SHOULDER
- (K) HMA PAVEMENT (4-1/2")
- (L) AGGREGATE BASE COURSE

PROPOSED LEGEND

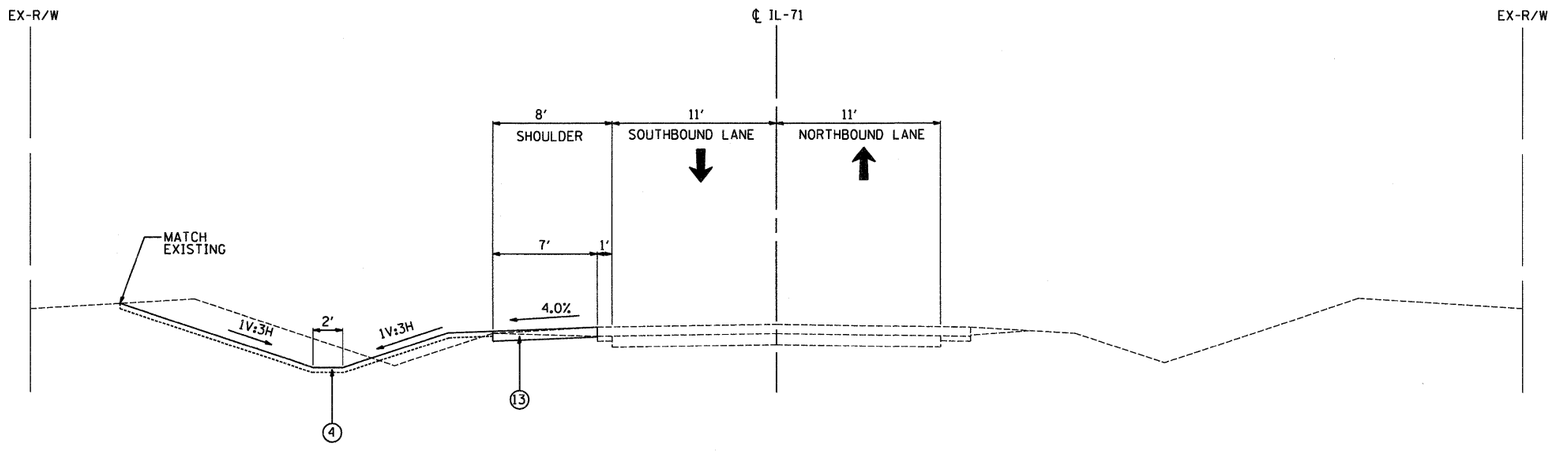
- (1) HMA SURFACE COURSE, MIX "D", N70; 1-1/2" (INSTALLED FOLLOWING STAGE 2)
- (2) HMA BINDER COURSE, IL-19.0, N70; 6-1/2"
- (31)(32)(33) PAID AS AGGREGATE SHOULDER, TYPE B; 8"
  - (31) AGGREGATE SHOULDER, TYPE B; 6-1/2"
  - (32) AGGREGATE SHOULDER, TYPE B; 1-1/2" (INSTALLED FOLLOWING PLACEMENT OF HMA SURFACE COURSE)
  - (33) AGGREGATE WEDGE SHOULDER, TYPE B (INSTALLED FOLLOWING PLACEMENT OF HMA SURFACE COURSE)
- (4) SEEDING (CLASS 2A) WITH EROSION CONTROL BLANKET & VEGETATIVE SUSTAINING SOIL; 4"
- (5) GUARDRAIL (SEE PLAN FOR TYPE) (INSTALLED FOLLOWING PLACEMENT OF HMA SURFACE COURSE)
- (6) HMA BASE COURSE WIDENING; 11-1/2"
- (7) SUB-BASE GRANULAR MATERIAL, TYPE A; 6"
- (8) SUB-BASE GRANULAR MATERIAL, TYPE C (SEE NOTES ON ROADWAY PLAN)
- (9) HMA BASE COURSE WIDENING; 9"
- (10) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (11) LEVELING BINDER (MACHINE METHOD), N70, 3/4" MIN. (INSTALLED FOLLOWING STAGE 2)
- (12) HMA BINDER COURSE, IL-19.0, N70; 5-3/4"
- (13) TEMPORARY PAVEMENT HMA BINDER COURSE, IL-19.0, N70; 8"



EXISTING TYPICAL SECTION ILLINOIS-71 [1E]

NOTE: EXISTING SLOPES SHOWN ARE APPROXIMATE

STA. 661+83 TO STA. 664+83



PROPOSED TYPICAL SECTION ILLINOIS-71 [1P]

STA. 661+83 TO STA. 664+83

FILE NAME =	USER NAME = .USER.	DESIGNED - JWB	REVISED -
		DRAWN - JWB	REVISED -
	PLOT SCALE = 5.0000 ' / IN.	CHECKED - RS	REVISED -
	PLOT DATE = 3/31/2011	DATE - 03/31/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 311 (IL 71) AT VAN EMMON / RESERVATION ROADS
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. -- OF -- SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	(1-1)N TS	KENDALL	92	6
		CONTRACT NO. 66955		
	ILLINOIS	FED. AID PROJECT		

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