



WB LANES
NOTE 1: 3.33% LT: STA. 3111+36.00 TO 3112+42.00
 VARIABLE 3.33% LT TO 1.50% LT: STA. 3112+42.00 TO 3114+60.00
NOTE 2: VARIABLE 3.33% LT TO 1.50%: STA. 3111+36.00 TO 3112+42.00
 VARIABLE 1.50% LT TO 0.00%: STA. 3112+42.00 TO 3112+86.00
 VARIABLE 0.00% TO 1.50% RT: STA. 3112+86.00 TO 3113+30.00
 1.50% RT: STA. 3113+30.00 TO 3114+60.00
NOTE 5: HMA SHOULDER TAPER: STA. 3113+60.00 TO 3114+60.00
 6.0' TO 4.0'
NOTE 7: FOR SUPERELEVATED SECTION: STA. 3111+36.00 STA. 3112+86.00

PROPOSED I-80
 STA. 3111+36.00 TO 3114+60.00

EB LANES
NOTE 3: 3.33% LT: STA. 3111+36.00 TO 3112+42.00
 VARIABLE 3.33% LT TO 1.50% LT: STA. 3112+42.00 TO 3114+60.00
NOTE 4: VARIABLE 3.33% LT TO 1.50%: STA. 3111+36.00 TO 3112+42.00
 VARIABLE 1.50% LT TO 0.00%: STA. 3112+42.00 TO 3112+86.00
 VARIABLE 0.00% TO 1.50% RT: STA. 3112+86.00 TO 3113+30.00
 1.50% RT: STA. 3113+30.00 TO 3114+60.00
NOTE 6: HMA SHOULDER TAPER: STA. 3113+60.00 TO 3114+60.00
 6.0' TO 4.0'
NOTE 7: FOR SUPERELEVATED SECTION: STA. 3111+36.00 STA. 3113+50.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	HMA BINDER (MAINLINE)*	HMA SURFACE (MAINLINE)*	STABILIZED SUBBASE	HMA SHOULDERS SURFACE**	HMA SHOULDERS BINDER**	LEVELING BINDER
PG GRADE	SBS PG 70-22	SBS PG 70-22	PG 58-22	PG 64-22	PG 64-22	SBS PG 70-22
DESIGN AIR VOIDS	4.0% @ N90	4.0% @ N90	2.0% @ N30	4.0% @ N50	4.0% @ N70	4.0% @ N90
MIXTURE COMPOSITION	IL 19.0 F 6	IL 9.5	IL 19.0	IL 9.5	IL 19.0	IL 9.5
FRICITION AGGREGATE		MIXTURE D		MIXTURE C		MIXTURE C
DENSITY TEST METHOD	CORES	CORES OR CORRELATION	CORES OR CORRELATION	CORES OR CORRELATION	CORES OR CORRELATION	SATISFACTION OF THE ENGINEER

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.
 * INCLUDES THE INSIDE SHOULDER ALONG BOTH ROADWAYS.
 ** INCLUDES THE OUTSIDE SHOULDER ALONG BOTH ROADWAYS.
 NOTE:
 HMA BINDER (MAINLINE), HMA SURFACE (MAINLINE), AND LEVELING BINDER ARE POLYMERIZED MIXES.

- LEGEND**
- (A) EXISTING BITUMINOUS OVERLAYS ±3"
 - (B) EXISTING 10" PCC PAVEMENT
 - (C) EXISTING 6" GRANULAR SUB-BASE
 - (D) EXISTING STABILIZED SHOULDERS
 - (E) EXISTING 4" PIPE UNDERDRAIN
 - (1) MAINLINE RESURFACING, 3¾"
 INCLUDES:
 1/2" OR 3" HOT-MIX ASPHALT SURFACE REMOVAL
 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90
 2/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90
 - (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90 (IN SUPERELEVATION CORRECTION SECTION) (VARIABLE DEPTH, 2 1/4" MIN.) (VARIES 2 1/4" TO ±15 1/2")
 - (3) INSIDE SHOULDER RESURFACING, 3¾"
 INCLUDES:
 1/2" OR 3" HOT-MIX ASPHALT SURFACE REMOVAL (AS REQUIRED IN SUPERELEVATION SECTION)
 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90
 2/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90
 - (4) FULL-DEPTH HOT-MIX ASPHALT SHOULDERS
 INCLUDES:
 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90
 2/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90
 8/4" HMA SHOULDERS (BINDER COURSE, IL-19, N70)
 6" SUBBASE GRANULAR MATERIAL, TYPE A OR 12" SUBBASE GRANULAR MATERIAL, TYPE A (IN SUPERELEVATED HIGH SIDE)
 - (5) FULL-DEPTH CONCRETE SHOULDERS
 INCLUDES:
 10" PORTLAND CEMENT CONCRETE SHOULDERS
 4" SUBBASE GRANULAR MATERIAL, TYPE C
 12" AGGREGATE SUBGRADE
 - (6) FULL-DEPTH CRPCC, BRIDGE APPROACH PAVEMENT CONNECTOR, AND WIDE FLANGE BEAM TERMINAL JOINT COMPLETE 24"
 INCLUDES:
 10" CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
 10" PAVEMENT REINFORCEMENT
 WHITEWASHING FOR CONCRETE PAVEMENT
 4" STABILIZED SUBBASE - HOT-MIX ASPHALT
 12" AGGREGATE SUBGRADE
 - (7) AGGREGATE SHOULDERS, TYPE B 10"
 - (8) GUARDRAIL STABILIZATION
 INCLUDES:
 10" PORTLAND CEMENT CONCRETE SHOULDERS
 - (9) GUARDRAIL STABILIZATION
 INCLUDES:
 6" HOT-MIX ASPHALT SHOULDERS
 - (10) PROPOSED SIDE SLOPE RESTORATION
 INCLUDES: EMBANKMENT WITH TOPSOIL, SEEDING, CLASS 3, AND HEAVY DUTY EROSION CONTROL BLANKET
 - (11) PIPE UNDERDRAIN 4" (MODIFIED)
 - (12) OUTSIDE SHOULDER RESURFACING, 2 1/4"
 INCLUDES:
 2/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
 - (13) OUTSIDE SHOULDER RESURFACING, 3¾"
 IN SUPERELEVATED SECTION INCLUDES:
 1/2" HOT-MIX ASPHALT SURFACE REMOVAL (AS REQUIRED IN SUPERELEVATION SECTION)
 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
 2/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
 - (14) PROPOSED STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS
 - (15) GEOTECHNICAL FABRIC (PLACED UNDER ALL AGGREGATE SUBGRADE, 12" AND PIPE UNDERDRAIN 4" (MODIFIED))
 - (16) STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - (17) POLYMERIZED LEVELING BINDER (AS REQUIRED, VARIABLE DEPTH, ¾" MIN)

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 80 (I-80) EXISTING AND PROPOSED TYPICAL SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - CAC	REVISED -		80	(K06-5HBR-1.VBR#06-6)RS-3&I	BUREAU	249	2			
	PLOT DATE =	CHECKED - JDF	REVISED -		SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 66686		
		DATE - 9/7/2011	REVISED -									