

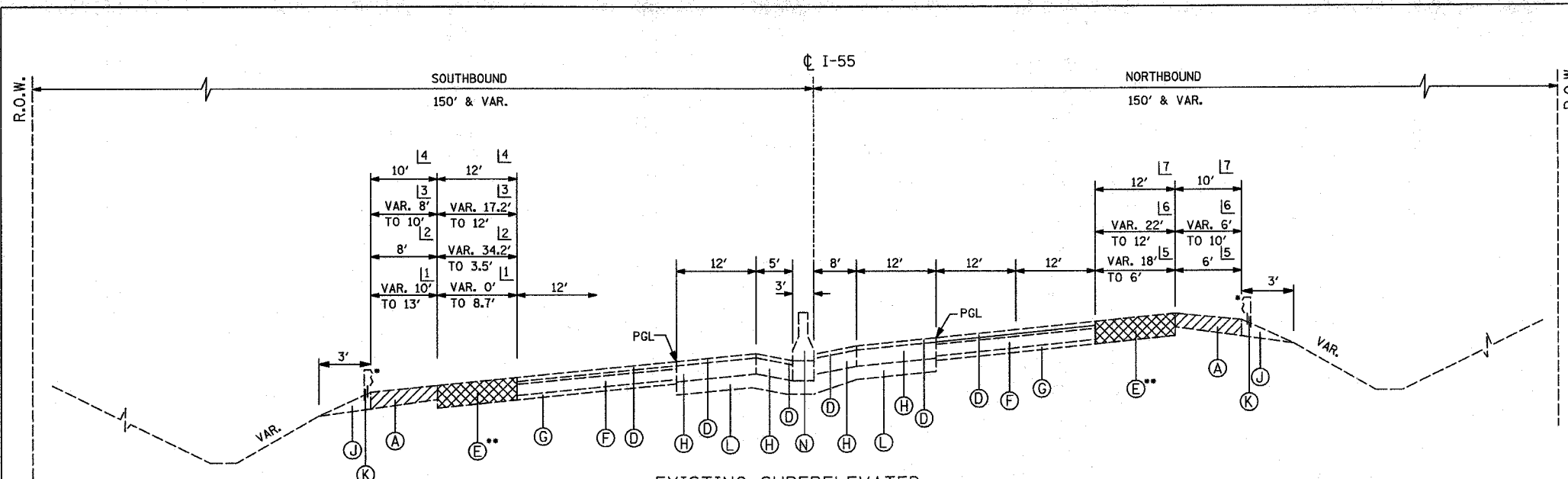
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (I&2) WRS-1	WILL	227	11
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		TYP 01 OF 06		

**EXISTING**

- (A) BITUMINOUS CONCRETE SHOULDER REMOVAL
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- (C) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (D) POLYMERIZED BITUMINOUS CONCRETE PAVEMENT
- (E) PAVEMENT REMOVAL
- (F) P.C.C. PAVEMENT
- (G) SUB-BASE GRANULAR MATERIAL
- (H) HOT-MIX ASPHALT BASE COURSE
- (I) BITUMINOUS CONCRETE SHOULDER
- (J) AGGREGATE SHOULDER
- (K) GUARDRAIL
- (L) AGGREGATE SUBGRADE
- (M) HOT-MIX ASPHALT BINDER COURSE
- (N) CONCRETE BARRIER

**PROPOSED**

- (1) POLYMERIZED HOT-MIX ASPHALT SURF. CSE, STONE MATRIX ASPH., N80, 1-3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BIND. CSE, STONE MATRIX ASPH., N80, 1-3/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 8"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 8"
- (5) P.C.C. CONCRETE BASE COURSE, 10-1/2"
- (6) CONCRETE BARRIER, DOUBLE FACE, 42" HEIGHT
- (7) AGGREGATE SUBGRADE, 12"
- (8) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (9) SHOULDER RUMBLE STRIP
- (10) CONCRETE BARRIER BASE
- (11) LONGITUDINAL CONSTRUCTION JOINT AND NO. 25 EPOXY COATED DEFORMED TIE BARS (DRILL AND GROUT)
- (12) AGGREGATE SHOULDERS, TYPE B 8"
- (13) CLASS D PATCHES, 10" (SEE NOTE 1)
- (14) HOT-MIX ASPHALT BASE COURSE, 2-1/2"
- (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-3/4"
- (16) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- (17) AGGREGATE SHOULDERS, TYPE B (SPECIAL)
- (18) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (19) POROUS GRANULAR EMBANKMENT, SUBGRADE 12"
- (20) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION



- [1] STA. 594+66.34 TO STA. 598+87.61
- [2] STA. 598+87.61 TO STA. 600+48.66
- [3] STA. 600+48.66 TO STA. 604+33.47
- [4] STA. 604+33.47 TO STA. 606+27.41
- [5] STA. 599+04.53 TO STA. 599+92.83
- [6] STA. 599+92.83 TO STA. 602+10.20
- [7] STA. 602+10.20 TO STA. 607+99.33

\* FOR GUARDRAIL LOCATIONS SEE ROADWAY PLANS.  
 \*\* SOUTHBOUND PAVEMENT REMOVAL FROM STA. 594+66.34 TO STA. 604+33.47

\* FOR GUARDRAIL LOCATIONS SEE ROADWAY PLANS.  
 \*\* NORTHBOUND PAVEMENT REMOVAL FROM STA. 599+04.53 TO STA. 602+10.20

**MIXTURE REQUIREMENTS**

APPLICATION (SEE TYPICAL SECTIONS)	MIXTURE TYPE	AC TYPE	AIR VOIDS
I-55 MAINLINE NEW INSIDE LANES, INSIDE SHOULDERS AND EXIST. LANES	POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT	SBS/SBR PG 76-28/22	4% @ N80
I-55 MAINLINE NEW INSIDE LANES, INSIDE SHOULDERS AND EXIST. LANES	POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT	SBS/SBR PG 76-28/22	4% @ N80
I-55 MAINLINE NEW INSIDE LANES AND INSIDE SHOULDERS	HMA BASE COURSE, (HMA BINDER IL-19) - (MIN LIFT 2 1/4"); 8"	PG 64-22	4% @ N90
I-55 MAINLINE NEW INSIDE LANES AND INSIDE SHOULDERS (BOTTOM LIFT)	HMA BASE COURSE, (HMA BINDER IL-19); 2-1/2"	PG 58-22	4% @ N50
I-55 MAINLINE EXISTING LANES AND OVER SEWER LATERALS	CLASS D PATCHES (HMA BINDER IL-25)	PG 64-22	4% @ N105
I-55 MAINLINE EXISTING LANES AND OVER SEWER LATERALS	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-25)	PG 64-22	4% @ N105
I-55 MAINLINE EXIST. OUTSIDE SHOULDERS, RAMPS LANES SURFACE	HOT-MIX ASPHALT SURFACE COURSE, " MIX "D", (IL-9.5mm)	PG 64-22	4% @ N70
I-55 MAINLINE OUTSIDE NEW SHOULDERS AND RAMPS NEW SHOULDERS	HOT-MIX ASPHALT BINDER COURSE, IL-19	PG 64-22/*	4% @ N70
I-55 MAINLINE PARTIAL DEPTH PATCHING	HOT-MIX ASPHALT SURFACE COURSE, " MIX "D", (IL-9.5mm)	PG 64-22	4% @ N70

**WEIGHT NOTE:**

- 1) THE UNIT WEIGHT USED TO CALCULATE THE PLAN QUANTITY FOR STONE MATRIX HOT-MIX ASPHALT SURFACE COURSE IS 135 LBS/SQ YD/ INCH THICKNESS.
- 2) THE UNIT WEIGHT USED TO CALCULATE ALL OTHER HOT-MIX SURFACE MIXTURES OF 112 LBS/SQ YD/ INCH THICKNESS.
- 3) \* WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

**NOTES:**

- 1. CLASS D PATCHES SHALL BE PLACED AT LOCATIONS AS APPROVED BY THE ENGINEER. THE DEPTH OF THE PATCH SHALL BE EQUAL TO THE THICKNESS OF EXISTING P.C.C. PAVEMENT AND SHALL NOT INCLUDE THE DEPTH OF THE HOT-MIX ASPHALT SURFACE REMOVAL, 3-1/2".
- 2. SEE STANDARD 637006 FOR ADDITIONAL CONCRETE BARRIER DETAILS.
- 3. ALL REINFORCING BARS, BAR SPLICERS, TIE BARS AND DOWEL BARS SHALL BE SEATED IN THE FINAL POSITION PRIOR TO THE CONCRETE OPERATIONS AND CANNOT BE MUCKED INTO PLACE.
- 4. THE FURNISHING AND PLACING OF TIE BARS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE BARRIER BASE.
- 5. THE COST OF ADDITIONAL THICKNESS OF SUB-BASE GRANULAR MATERIAL (WHERE NEEDED) SHALL BE INCLUDED IN THE CONTRACT UNIT COST FOR "SUB-BASE GRANULAR MATERIAL, TYPE B, 6"

REVISIONS	
NAME	DATE
D. MELNIK	5/14/07

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAI ROUTE 55  
 US 30 (PLAINFIELD ROAD) TO 143RD STREET

**TYPICAL SECTIONS**

SCALE: NONE  
 DATE: 02-23-07

DRAWN BY: DM  
 CHECKED BY: DVS



**FINAL**