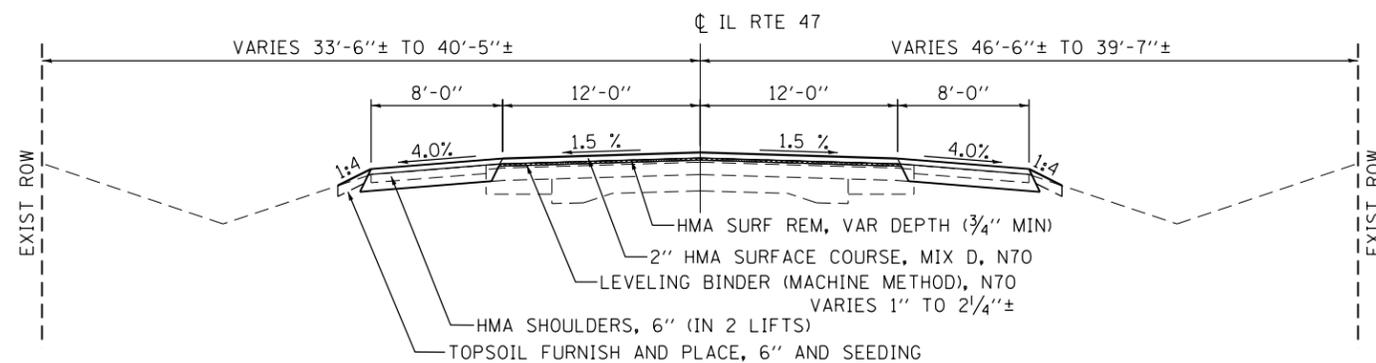


HMA MIXTURE REQUIREMENTS

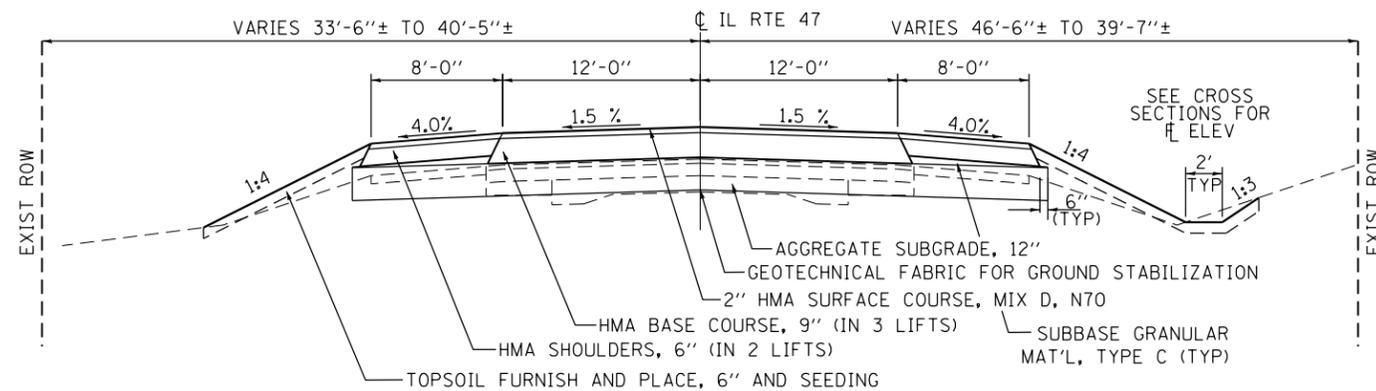
MIXTURE TYPE	AIR VOIDS @ Ndes
ROADWAY RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 2"	4% @ 70 GYR
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5mm), (1" MIN)	4% @ 70 GYR
HOT-MIX ASPHALT BASE COURSE, 9" (3 LIFTS) - IL RTE 47	
HMA BASE COURSE (HMA BINDER, IL-19mm), 9"	4% @ 70 GYR
HOT-MIX ASPHALT BASE COURSE, 5 3/4" (2 LIFTS) - SILVER GLEN RD.	
HMA BASE COURSE (HMA BINDER, IL-19mm), 5 3/4"	4% @ 70 GYR
HOT-MIX ASPHALT SHOULDERS	
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19mm), 6" (2 LIFTS)	4% @ 70 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 2"	4% @ 70 GYR
DRIVEWAYS C.E.	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 8"	4% @ 50 GYR
DRIVEWAYS F.E.	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"	4% @ 50 GYR
BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 9"	4% @ 70 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2"	4% @ 70 GYR
TEMPORARY PAVEMENT	
TEMP PAVEMENT (HMA BINDER IL-19mm), 8 1/2"	4% @ 50 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 1 1/2"	4% @ 50 GYR

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/INCH.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR PERCENT OF "RAP". SEE DISTRICT ONE SPECIAL PROVISIONS.
4. IF THE CONTRACTOR CHOOSES TO USE CONCRETE, THE THICKNESS WILL BE 10". PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS.



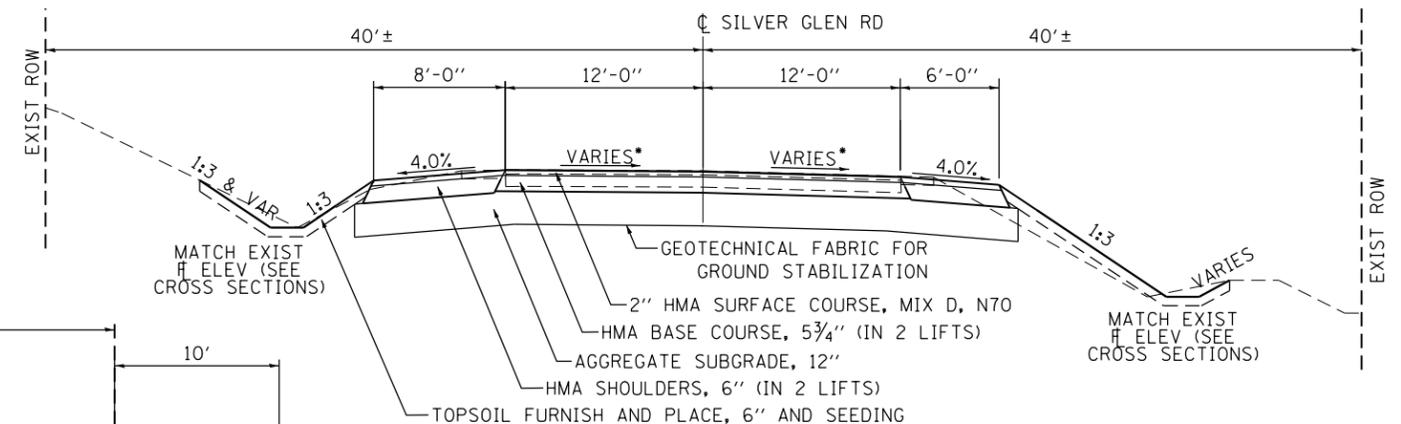
PROPOSED TYPICAL SECTION

STA 1454+50.00 TO STA 1456+00.00
 STA 1470+00.00 TO STA 1471+00.00



PROPOSED TYPICAL SECTION

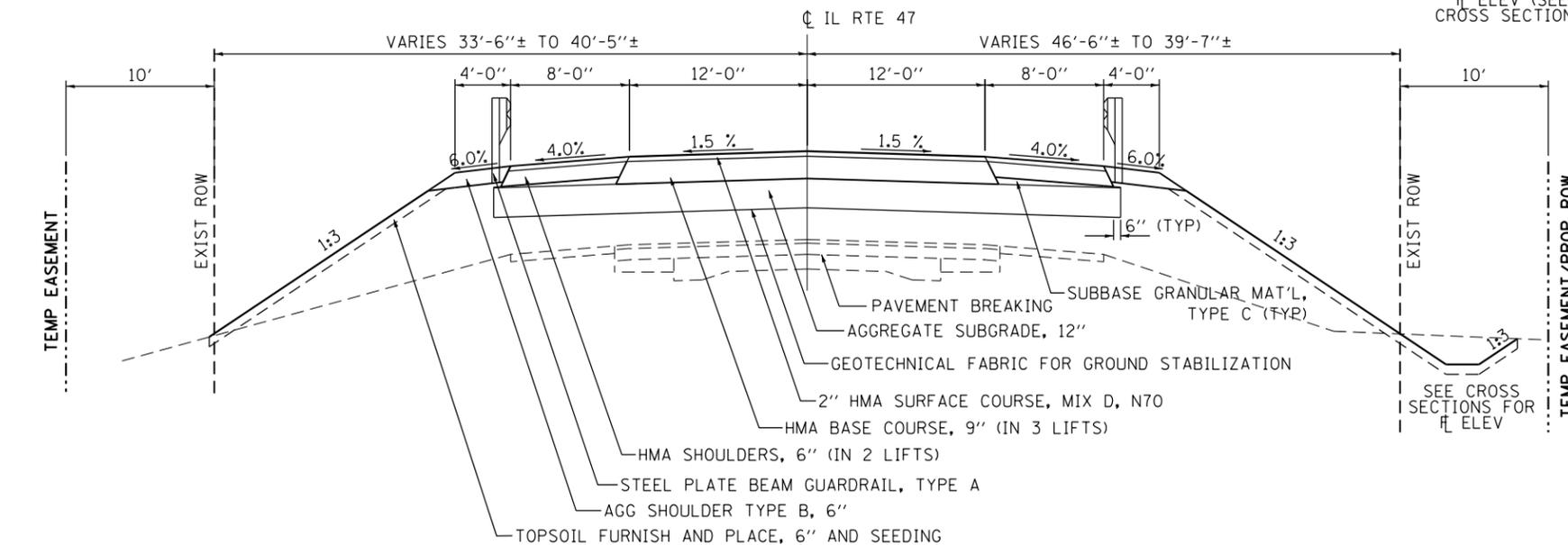
STA 1456+00.00 TO STA 1459+32.30 - RT
 STA 1456+00.00 TO STA 1460+52.32 - LT
 STA 1465+12.30 TO STA 1470+00.00 - RT
 STA 1466+32.32 TO STA 1470+00.00 - LT



PROPOSED TYPICAL SECTION

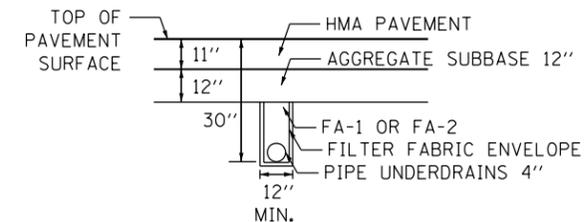
STA 200+00.00 TO STA 201+25.00

*SEE SHEET 13 FOR ELEVATION AND CROSS SLOPE INFORMATION



PROPOSED TYPICAL SECTION

STA 1459+32.30 TO STA 1462+23.65 - RT
 STA 1460+52.32 TO STA 1462+41.97 - LT
 STA 1463+22.65 TO STA 1465+12.30 - RT
 STA 1463+40.97 TO STA 1466+32.32 - LT



UNDERDRAIN DETAIL - TRANSVERSE

STA 1457+50, 1460+75, 1464+75, 1468+00

UNDERDRAIN NOTES

1. PIPE UNDERDRAINS TO BE PLACED AS INDICATED ON THE PLANS.
2. CAPS, PLUGS, WYES, AND TEES ARE CONSIDERED IN THE COST OF UNDERDRAINS.
3. ALL END RUNS SHALL HAVE CAP OR PLUG.
4. UNDERDRAINS SHALL BE CONNECTED AS SHOWN ON THE PLANS WHICH COST IS INCLUDED IN THE COST OF THE UNDERDRAINS.
5. UNDERDRAIN MATERIAL SHALL BE PERFORATED CORRUGATED POLYETHYLENE TUBING.
6. EXCAVATION, FABRIC AND GRANULAR BACKFILL AS SPECIFIED SHALL BE INCLUDED IN THE COST OF THE UNDERDRAIN.

FILE NAME = D:\60N13-shr-typical.dgn
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 PLOT DRIVER = Vb...PDF...11x17.pltcf9



USER NAME = mmann	DESIGNED - MCV	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - MCV	REVISED -
PLOT DATE = 10/24/2012	CHECKED - MTM	REVISED -
	DATE - 10/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 47 OVER VIRGIL DITCH #2
 TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-B	KANE	87	6
CONTRACT NO. 60N13				
ILLINOIS FED. AID PROJECT				