

PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② AGGREGATE SUBGRADE, 12"
- ③ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ④ COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ CONCRETE MEDIAN, TYPE SB-6.12
- ⑧ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 8 x 24-INCH EPOXY COATED DEFORMED TIE BARS DRILLED & GROUTED-IN-PLACE @ 24" C-C PER STD. 420001 (INCLUDED IN THE COST OF PCC PAVEMENT)
- ⑨ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24-INCH EPOXY COATED DEFORMED TIE BARS DRILLED & GROUTED-IN-PLACE @ 24" C-C PER STD. 606001 (INCLUDED IN COST OF CONCRETE CURB AND GUTTER OR MEDIAN)
- ⑩ SAWED LONGITUDINAL JOINT WITH NO. 6 x 30-INCH EPOXY COATED DEFORMED TIE BAR @ 30" C-C (INCLUDED IN THE COST OF PCC PAVEMENT)
- ⑪ DRILL AND GROUT DOWEL BARS (24" C-C SPACING)
- ⑫ HOT-MIX ASPHALT BASE COURSE, 10"
- ⑬ HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
- ⑭ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (1 3/4")
- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1 3/4")
- ⑯ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 1/4")
- ⑰ AGGREGATE SHOULDERS, TYPE B 6"
- ⑱ 4" Ø PIPE UNDERDRAIN
- ⑲ SODDING, SALT TOLERANT, OR SEEDING AS NOTED ON PLANS
- ⑳ 4" TOPSOIL (PAID AS TOPSOIL EXCAVATION AND PLACEMENT)
- ㉑ 24" TOPSOIL (PAID AS TOPSOIL EXCAVATION AND PLACEMENT OR TOPSOIL FURNISH AND PLACE, 24")
- ㉒ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (10 1/4")
- ㉓ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")

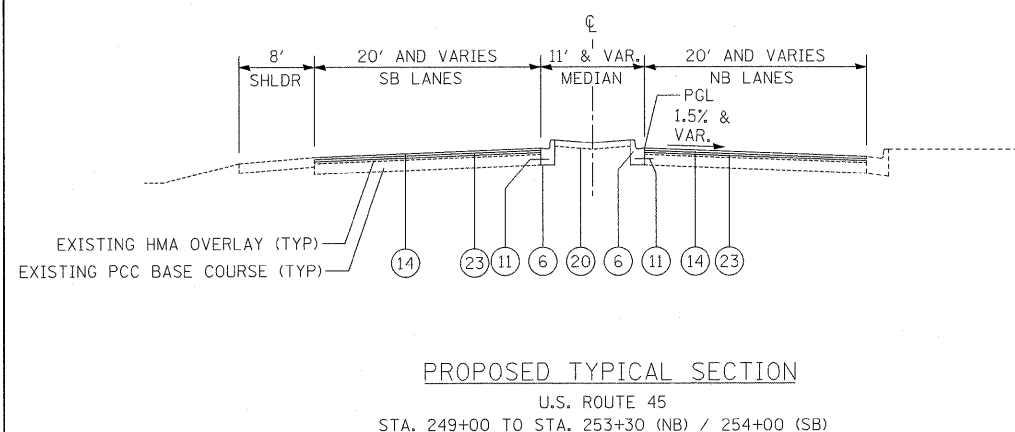
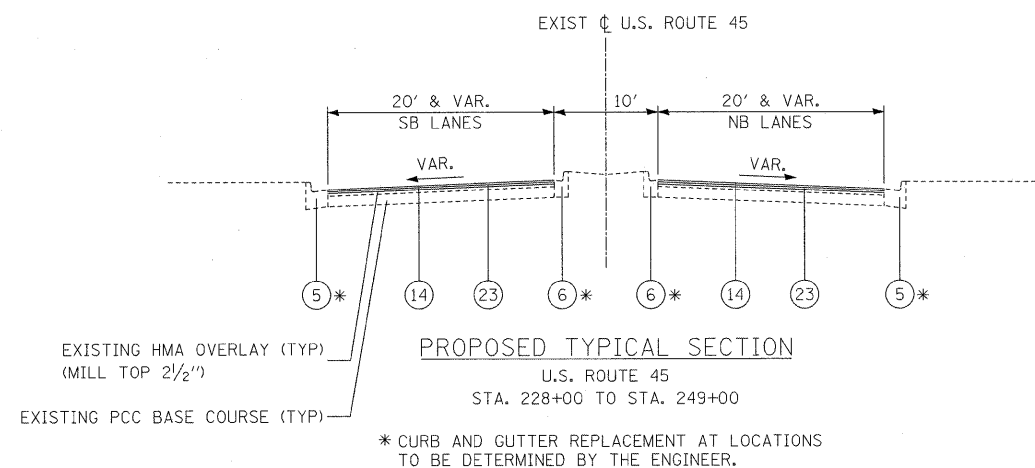
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

FOR TEMP PAVEMENT HMA TABLE, SEE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS.

| ITEM  | AC TYPE                | VOIDS                      |
|---|------------------------|----------------------------|
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)                                    | PG 64-22               | 4% @ 70 GYR                |
| HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70   | PG 64-22*              | 4% @ 70 GYR                |
| HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 6"                                       | PG 64-22*              | 4% @ 70 GYR                |
| <b>WIDENING- CASEY ROAD</b><br>HOT-MIX ASPHALT BASE COURSE WIDENING, 6"                     | PG 64-22*              | 4% @ 70 GYR                |
| <b>WIDENING- US ROUTE 45</b><br>POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90    | SBS/SBR PG 70-22       | 4% @ 90 GYR                |
| POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90                                     | PG 70-22               | 4% @ 90 GYR                |
| <b>RESURFACING- US ROUTE 45</b><br>POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 | SBS/SBR PG 70-22       | 4% @ 90 GYR                |
| POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50                                  | SBS/SBR PG 76-28/-22   | 4% @ 50 GYR                |
| <b>PATCHES</b><br>CLASS D PATCHES (HMA BINDER IL-19mm)                                      | PG 64-22*              | 4% @ 70 GYR                |
| <b>SHOULDERS</b><br>HMA SHOULDERS, 6" (SEE NOTE 4)<br>HMA SHOULDERS, 8" (SEE NOTE 4)        | PG 64-22*<br>PG 64-22* | 2% @ 30 GYR<br>2% @ 30 GYR |
| <b>DRIVEWAYS</b><br>HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL 9.5mm) 2"             | PG 64-22               | 4% @ 50 GYR                |
| HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19mm); PE-6", CE-8"                             | PG 64-22*              | 4% @ 50 GYR                |

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



NOTES:

1. THE LOCATION OF POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) IS SHOWN IN THE CROSS SECTIONS. WHEN GEOTECHNICAL FABRIC FOR GROUND STABILIZATION IS SPECIFIED IT SHALL BE INSTALLED PRIOR TO THE PLACEMENT OF SUBGRADE MATERIAL. REFER TO THE SCHEDULE OF QUANTITIES FOR LOCATIONS.
2. FOR LOCATION OF UNDERDRAIN, SEE TABLE PROVIDED IN DRAINAGE PLANS. THE OUTFALL TO DRAINAGE STRUCTURE IS LISTED IN TABLES. WHEN A SPECIAL OUTLET IS USED, INSTALL PER STD. 601001.
3. ALL UNDERDRAIN TIE-INS TO STRUCTURES WILL BE INCLUDED IN THE PIPE UNDERDRAIN PAY ITEM.
4. HMA SHOULDERS, 8" USED ALONG NB US 45 BETWEEN STA. 255+80 AND STA. 257+30. HMA SHOULDERS, 6" USED AT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL LOCATIONS PER IDOT STANDARDS. PLEASE REFER TO THE ROADWAY PLAN AND PROFILE SHEETS FOR MORE INFORMATION.

|             |                      |                 |           |   |  |                              |                         |                    |   |           |  |
|-------------|----------------------|-----------------|-----------|---|--|------------------------------|-------------------------|--------------------|---|-----------|--|
| FILE NAME = | USER NAME = #USER#   | DESIGNED - MAP  | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED TYPICAL SECTIONS - U.S. ROUTE 45</b> | F.A.P. RTE.                  | SECTION                 | COUNTY             | TOTAL SHEETS                                  | SHEET NO. |  |
| #FILEL#     |                      | DRAWN - JRH     | REVISED - |   |  | 344                          | (46-1S&47)WRS-3         | LAKE               | 176   | 16        |  |
|             | PLOT SCALE = #SCALE# | CHECKED - JW    | REVISED - |   |  | U.S. ROUTE 45 RECONSTRUCTION |                         | CONTRACT NO. 60957 |   |           |  |
|             | PLOT DATE = #DATE#   | DATE - 12-12-08 | REVISED - |   |  | SCALE: NONE                  | SHEET NO. 1 OF 5 SHEETS | STA. TO STA.       | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |           |  |