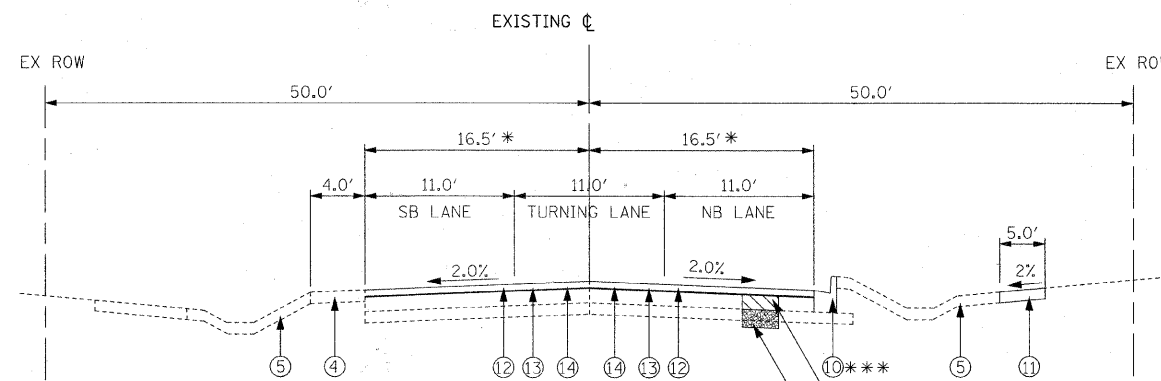


EXISTING TYPICAL SECTION NO. 3

BOOK ROAD
STA 106+54.87 TO STA 146+37.37



PROPOSED TYPICAL SECTION NO. 3

BOOK ROAD
STA 106+54.87 TO STA 146+37.37

- * EXISTING PAVEMENT TAPERS:
 STA 64+05.81 TO STA 65+43.81 - 18.0' TO 12.0'
 STA 93+59.92 TO STA 95+86.92 - 12.0' TO 18.0'
 STA 99+70.77 TO STA 101+75.77 - 18.0' TO 12.0'
 STA 105+09.87 TO STA 106+54.87 - 12.0' TO 16.5'
 STA 146+37.37 TO STA 149+45.37 - 16.5' TO 12.0'
 STA 153+92.05 TO STA 157+82.05 - 12.0' TO 18.0'
- ** EXISTING SHARED USE TRAIL LOCATIONS:
 STA 90+00.0 TO STA 99+50.0
 STA 143+45.0 TO STA 172+00.0
- *** EXISTING CURB AND GUTTER LOCATIONS:
 STA 56+80.0 TO STA 60+80.0 (RT)
 STA 106+54.9 TO STA 125+80.0 (LT/RT)
 STA 125+80.0 TO STA 127+10 (LT)
 STA 125+80.0 TO STA 135+60.0 (RT)
 STA 166+30.5 TO STA 172+33.2 (RT)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

| MIXTURE TYPE | AIR VOIDS @ Ndes |
|--|---------------------|
| POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (1 3/4") | 4% @ 90 Gyr. |
| POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4") | 4% @ 50 Gyr. |
| CLASS D PATCHES (IN 3 LIFTS) (HMA BINDER IL-19 mm) | 4% @ 70 Gyr. |
| HOT-MIX ASPHALT BASE COURSE 6" (IN 2 LIFTS) | 4% @ 50 Gyr. |
| HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm) | 4% @ 70 Gyr. |
| DRIVEWAYS: HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 3" | 4% @ 50 Gyr. |

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

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.

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

LEGEND

- EXISTING:
 - ① EXISTING HMA SURFACE COURSE, 2" AND HMA BINDER COURSE, 3"
 - ② EXISTING BITUMINOUS BASE COURSE, 4"
 - ③ EXISTING SUBBASE GRANULAR MATERIAL, TYPE B (CRUSHED), 6"
 - ④ EXISTING AGGREGATE SHOULDER, TYPE B, 6"
 - ⑤ EXISTING TOPSOIL
 - ⑥ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ⑦ EXISTING PCC SIDEWALK, 5"
 - ⑧ EXISTING BITUMINOUS SHARED USE TRAIL
- PROPOSED:
 - ⑨ HMA SURFACE REMOVAL, 2-1/2" (44000159) (SEE EXISTING)
 - ⑩ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (60603800) AND COMBINATION CURB AND GUTTER REMOVAL (44000500) AS DIRECTED BY ENGINEER
 - ⑪ PCC SIDEWALK 5" (42400200), WITH AGG. BASE COURSE, TYPE B 2" (35101500) AND SIDEWALK REMOVAL (44000600) AS DIRECTED BY ENGINEER
 - ⑫ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F" N90, 1 3/4" (40603595)
 - ⑬ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" (40600827)
 - ⑭ BITUMINOUS MATERIALS (PRIME COAT) (40600100)

NOTE 1: CONTRACTOR SHALL PATCH BEFORE MILLING. SEE PATCHING DETAIL BD400-04 (BD-22) FOR INCLUDED ITEMS TO PATCHING COST AND FOR ADDITIONAL PATCHING DETAILS.

NOTE 2: AT LOCATIONS OF UNSUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT SHALL CONSIST OF EXCAVATION OF UNSUITABLE MATERIAL TO A DEPTH OF 10 INCHES BELOW EXISTING PAVEMENT BASE AND PLACING POROUS GRANULAR EMBANKMENT SUBGRADE.

FILE NAME = 8FILES



| | | |
|----------------------|-------------------|-----------|
| USER NAME = #USER# | DESIGNED - EVI | REVISED - |
| | DRAWN - KJB | REVISED - |
| PLOT SCALE = #SCALE# | CHECKED - DAK | REVISED - |
| PLOT DATE = #DATE# | DATE - 10/24/2011 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
BOOK ROAD (111TH STREET TO 87TH STREET)

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

| | | | | |
|---|------------------------|-------------|-----------------|--------------------|
| F.A.U. RTE. 0082 | SECTION 11-00149-00-RS | COUNTY WILL | TOTAL SHEETS 30 | SHEET NO. 5 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | CONTRACT NO. 63659 |