



PROPOSED LEGEND

- ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- ② HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13.5"
- ③ AGGREGATE SUBGRADE, 12"
- ④ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑤ AGGREGATE SHOULDERS, TYPE B
- ⑥ STEEL PLATE BEAM GUARDRAIL TYPE A (PER LIMITS ON PLAN & PROFILE SHEETS)
- ⑦ SUBBASE GRANULAR MATERIAL, TYPE C, 5.5"± AND VARIES
- ⑧ FURNISH AND PLACE TOPSOIL, 4"
- ⑨ SEEDING CLASS 3 AND HEAVY DUTY EROSION CONTROL BLANKET
- ⑩ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, DEPTH VARIES 2.25" TO 22" (MAXIMUM LIFT THICKNESS SHALL PROVIDE A 4" COMPACTED LIFT)
- ⑪ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

NOTES:

1. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13.5" TO BE EXTENDED, 4' TYP. TO 8' MAX., FROM PROPOSED EDGE OF PAVEMENT TO PROVIDE FULL DEPTH PAVEMENT FOR TRAFFIC DURING STAGE I-C AND STAGE II A&B. SEE LIMITS ON PLAN AND PROFILE SHEETS.
2. FROM STATION 86+00 TO STATION 89+00, THE EXISTING PAVEMENT WILL REMAIN IN PLACE AND BE OVERLAID. THE HOT-MIX ASPHALT BINDER COURSE WILL VARY IN DEPTH FROM 2.25" TO 22". AS SUCH, THE PROPOSED PAVEMENT IN THIS SECTION WILL BE PAID FOR PER TON OF ITEMS 10 & 11.
3. EXISTING CONCRETE PAVEMENT WILL BE CLEANED AND PRIMED PER ARTICLE 407.06 OF THE 2007 STANDARD SPECIFICATIONS.

APPROACH SLAB LIMITS

- STA. 89+44.55 TO STA. 89+74.55
- STA. 90+67.05 TO STA. 90+97.05
- STA. 98+76.38 TO STA. 99+06.38
- STA 100+93.62 TO STA. 101+23.62

PAVING OMISSIONS AT BRIDGES

- STA. 89+74.55 TO STA. 90+67.05
- STA. 99+06.38 TO STA. 100+93.62

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	AC TYPE	AIR VOIDS	
FULL DEPTH 13.5" & 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	PG 64-22	4% @ 50 Gyr.	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; RT.173 - 11.5"	PG 64-22*	4% @ 50 Gyr.	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; BECK'S RD - 6"	PG 64-22*	4% @ 50 Gyr.	
PAVEMENT OVERLAY DEPTH VARIES			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	PG 64-22	4% @ 50 Gyr.	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.25" - 22"	PG 64-22*	4% @ 50 Gyr.	
DRIVEWAYS			
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); CE - 8"	PG 64-22*	4% @ 50 Gyr.	
TEMPORARY PAVEMENT 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	PG 64-22	4% @ 50 Gyr.	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6"	PG 64-22*	4% @ 50 Gyr.	
HMA SHOULDERS 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm); 2"	PG 64-22	4% @ 50 Gyr.	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6"	PG 64-22*	4% @ 50 Gyr.	
TEMPORARY RAMP 0" - 2.25"			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 0"-2.25"	PG 64-22	4% @ 50 Gyr.	

STRUCTURAL TRAFFIC: 6,450	YEAR 2017
PV = 5,740	SU = 387
MU = 323	
ROAD/STREET CLASSIFICATION: RURAL	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 89%	S = 6%
M = 5%	
TRAFFIC FACTOR: 4.74 ACTUAL TF = 2.07 AC TYPE = 10	
MINIMUM TF = 4.74%	
AC GRADE: 20 BINDER = N70 SURFACE = MIX D, IL-19, N70	
SUBGRADE SUPPORT RATING:	
SSR = POOR	

* 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.

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
1-312-372-2023 FAX: 1-312-372-5274

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
ILLINOIS ROUTE 173 & BECK'S ROAD

SCALE: NONE
DATE: APRIL 25, 2007

DRAWN BY H.J.B.
CHECKED BY S.J.P.