



NOTE:
 POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR USE OF PGES SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR. AFTER EXCAVATION TO ROUGH SUBGRADE ELEVATION, THE ENGINEER OR SOILS INSPECTOR SHOULD OBSERVE THE BEHAVIOR OF THE ENTIRE EXPOSED SUBGRADE UNDER THE TRAFFIC OF HEAVY RUBBER-TIRED CONSTRUCTION EQUIPMENT SUCH AS MOTOR GRADERS OR FULLY LOADED DUMP TRUCKS. ALL POTENTIALLY UNSUITABLE SOIL SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL (SSM). ANY PGES OR FABRIC NOT NEEDED AT THE TIME OF CONSTRUCTION SHOULD BE DELETED FROM THE CONTRACT WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR.

EXISTING TYPICAL SECTION LEGEND

- (A) PCC PAVEMENT, 10 1/2"
- (B) STABILIZED SUB-BASE, 4"
- (C) AGGREGATE SUBGRADE, 12"
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) EXISTING GROUND
- (F) HOT-MIX ASPHALT SHOULDER, 8"
- (G) AGGREGATE SHOULDER, 6"
- (H) CONCRETE MEDIAN, TYPE SM-6.12
- (I) PIPE UNDERDRAIN, 4" (FABRIC LINED TRENCH)
- (J) CONCRETE MEDIAN SURFACE, 4 INCH
- (K) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

PROPOSED TYPICAL SECTION LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (2) STABILIZED SUBBASE 4"
- (3) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (4) POROUS GRANULAR EMBANKMENT, SUBGRADE; 18" (TYP) (SEE NOTE)
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (DOWELLED)
- (6) HOT-MIX ASPHALT SHOULDERS, 8"
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (8) TOPSOIL FURNISH AND PLACE, 4", SEEDING, CLASS 2A
- (9) PIPE UNDERDRAINS 4"
- (10) CONCRETE MEDIAN SURFACE, 4 INCH
- (11) SAW CUTTING, (FULL DEPTH)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
SHOULDER RECONSTRUCTION	
HMA SHOULDER (HMA BINDER IL-19mm); 8" (2 LIFTS)	4% @ 50 GYR.
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
SHARED-USE PATH	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "C", N50; (IL 9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); PE-6", CE-8"	4% @ 50 GYR.

* THE UNIT WEIGHT TO CALCULATE ALL HMA 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 SPECIAL PROVISIONS.

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: jmelhui
 CLIENT: HRGreen
 DATE PLOTTED: 4/5/2012 5:00:08 PM
 FILE NAME: 0177-1yp-01.dgn
 PLOT DRIVER: pdtcalif
 PEN TABLE: standard.ctb



USER NAME: jmelhui	DESIGNED: JRM	REVISED: -
	DRAWN: -	REVISED: -
PLOT SCALE: N.T.S.	CHECKED: TEH	REVISED: -
PLOT DATE: 4/5/2012	DATE: 4/5/12	REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
 IL 59 & SHOE FACTORY RD
 SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 10-00084-00-CH	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 7
CONTRACT NO. 63711			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	