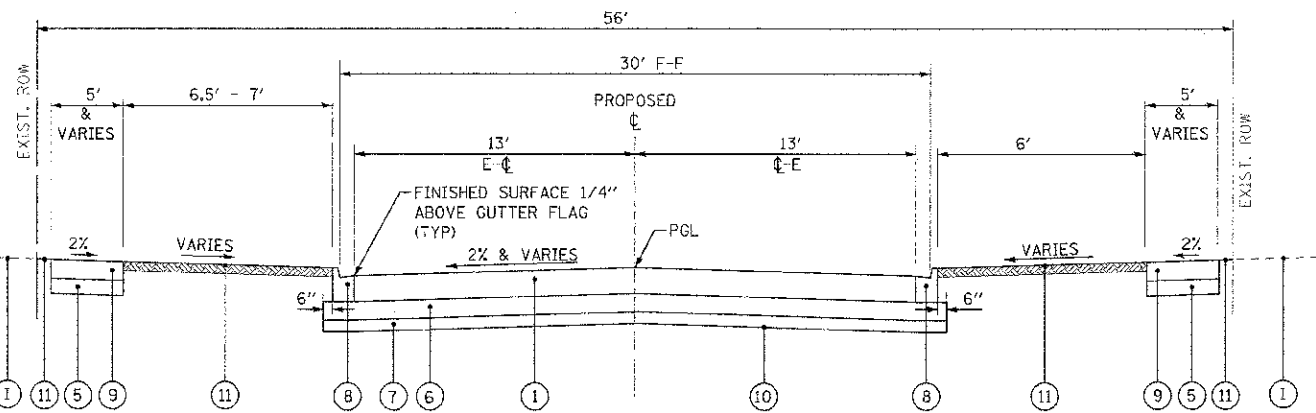


AGGREGATE SHOULDER  
STA 173+25 - STA 177+20, LT

(C)\* STA 173+25 TO STA 180+41

EXISTING SIDEWALK TO REMAIN  
STA 173+94 TO STA 180+10

**EXISTING TYPICAL SECTION  
MAPLE AVENUE**  
STA. 111+65 TO STA. 127+25  
STA. 173+25 TO STA. 180+41



PROPOSED SIDEWALK  
STA 111+47 TO STA 120+21, RT

**PROPOSED TYPICAL SECTION  
MAPLE AVENUE**  
STA. 111+65 TO STA. 127+25

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT SURFACE - 3" (AVG)
- (B) HOT-MIX ASPHALT SURFACE - 5" (AVG)
- (C) HOT-MIX ASPHALT SURFACE - 7.25" (AVG)
- (D) AGGREGATE BASE
- (E) AGGREGATE SHOULDER (IF PRESENT)
- (F) PCC PAVEMENT - 7.5"
- (G) PCC SIDEWALK
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (I) GROUND SURFACE
- (J) PAVEMENT REMOVAL (FULL DEPTH)
- (K) COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- (L) SIDEWALK REMOVAL
- (M) AGGREGATE BASE REMOVAL (PAID FOR AS EARTH EXCAVATION)
- [Hatched Box] ITEM TO BE REMOVED

**PROPOSED LEGEND**

- (1) HOT-MIX PAVEMENT (FULL-DEPTH) 9 1/2"  
HOT-MIX SURFACE COURSE, MIX "D", N50 - 2"  
HOT-MIX BINDER COURSE, IL-19.0, N50 - 7 1/2"
- (2) HOT-MIX PAVEMENT (FULL-DEPTH) 9 1/2"  
HOT-MIX SURFACE COURSE, MIX "D", N70 - 2"  
HOT-MIX BINDER COURSE, IL-19.0, N50 - 7 1/2"
- (2A) HOT-MIX SURFACE COURSE, MIX "D", N50 - 1 1/2"  
HOT-MIX BINDER COURSE, IL-19.0, N50 - 2 1/4"
- (3) PCC PAVEMENT - 7.5" (JOINTED) (TRANSVERSE JOINTS SPACED EVERY 12.5')
- (4) AGGREGATE BASE COURSE, TYPE B - 6"
- (5) AGGREGATE BASE COURSE, TYPE B - 4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (7) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS AND AGGREGATE SUBGRADE IMPROVEMENTS (SEE NOTE 1)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8A) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (10) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (11) TOPSOIL FURNISH AND PLACE 6"  
FERTILIZER  
SEEDING CLASS 1A  
EROSION CONTROL BLANKET
- (12) CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)
- (13) TIE BARS (INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER)

**STRUCTURAL DESIGN DATA**

STREET	STRUCTURAL DESIGN TRAFFIC 2023			STREET CLASS	TRAFFIC FACTOR	SSR
	PV	SU	MU			
MAPLE AVENUE						
HMA PAVEMENT	7601	0	317	II	1.23	POOR
PCC PAVEMENT	7601	0	317	II	1.81	POOR

NOTE 1 AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNSUITABLE LOCATIONS ARE LISTED BELOW.

STATION	DEPTH (FEET)
114+50 TO 130+00	1
137+00 TO 144+30	1
146+00 TO 150+00	1

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ Ndes
<b>FULL DEPTH PAVEMENT</b>	
STA 111+65 TO STA 127+25	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 7.5" (3 LIFTS)	4% @ 50 Gyr.
STA 127+25 TO STA 180+41	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 7.5" (3 LIFTS)	4% @ 50 Gyr.
<b>TEMPORARY PAVEMENT</b>	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4" (1 LIFT)	4% @ 50 Gyr.
<b>HMA RECREATIONAL PATH</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1.5"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.25" (1 LIFT)	4% @ 50 Gyr.
<b>DRIVEWAYS</b>	
<b>HMA DRIVEWAY PAVEMENT 6"</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4" (1 LIFT)	4% @ 50 Gyr.
<b>HMA DRIVEWAY PAVEMENT 8"</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6" (2 LIFTS)	4% @ 50 Gyr.
<b>PATCHING</b>	
<b>CLASS D PATCHES</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 6" (2 LIFTS)	4% @ 70 Gyr.

THE UNIT WEIGHT USED 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.

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 021-0000000-0000-0000-0000-000000000000  
 PROJECT NO. 110994-TYP-SECTION 11  
 DATE: 06/20/12



DESIGNED -	DJS	REVISED -	PER IDOT 10/19/12
DRAWN -	IKB	REVISED -	
CHECKED -	RWL	REVISED -	
DATE -	06/20/12	FILE -	110994-Typ-Section 11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS AND  
HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

SCALE: NONE	STA. TO STA.	F.A.U. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 11
				CONTRACT NO. 63745		
				FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT #-8003 (095)		