

**POROUS GRANULAR EMBANKMENT
SUBGRADE LOCATIONS PER SOIL REPORT**

LOCATION	EAST SIDE		WEST SIDE	
	WIDTH	DEPTH	WIDTH	DEPTH
10+25 TO 12+00	18'	6"	18'	6"
22+00 TO 23+15	18'	6"	18'	6"

NOTE:
ACTUAL LOCATIONS, WIDTHS,
AND DEPTHS TO BE DETERMINED
BY ENGINEER IN THE FIELD.

PAVEMENT CORE SUMMARY

BORE	STATION	OFFSET	LEFT/RIGHT	BITUMINOUS	CONC. BASE	TOTAL
PC-1	4+88	14'	RIGHT	5 3/4"	6"	11 1/2"
PC-2	6+24	5'	RIGHT	5"	7"	12"
PC-3	7+92	5.5"	LEFT	3 3/4"	7"	10 3/4"
PC-4	9+58	14.5'	LEFT	2"	8 1/2"	10 1/4"
PC-5	11+16	14'	RIGHT	2 1/4"	7"	9 1/2"
PC-6	12+86	3.5'	RIGHT	3 1/2"	7 1/2"	11"
PC-7	14+50	5'	LEFT	3 1/4"	7 1/4"	10 1/2"
PC-8	16+17	13.5'	LEFT	3"	10 1/4"	13 1/4"
PC-9	17+97	14.5'	RIGHT	2 1/4"	8 1/2"	10 3/4"
PC-10	19+60	4'	RIGHT	3 1/2"	7"	10 1/2"
PC-11	21+26	5.5'	RIGHT	4 1/4"	7 1/2"	11 3/4"
PC-12	22+93	13.5'	LEFT	5"	9 1/2"	14 1/2"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AC TYPE	PERCENT AIR VOIDS
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 9"		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (7") (2 LIFTS)	PG 6A-22/58-22	4% @ 50 Gyr
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (2")	PG 6A-22	4% @ 50 Gyr
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4")	PG 6A-22/58-22	4% @ 50 Gyr
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (2")	PG 6A-22	4% @ 50 Gyr
LEVELING BINDER (MACHINE METHOD), N50	PG 6A-22/58-22	4% @ 50 Gyr
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50	PG 6A-22	4% @ 50 Gyr

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
** THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQYD/IN.


PROJECT STAGING AND LOCAL ACCESS

- DURING THE CONSTRUCTION OF THE PROJECT, PRAIRIE AVENUE WILL BE CLOSED TO THROUGH TRAFFIC FROM BROOKFIELD AVENUE TO WASHINGTON AVENUE.
- LOCAL ACCESS WILL BE PROVIDED AT GRANT AVENUE, LINCOLN AVENUE, AND FOREST AVENUE.
- THE CONTRACTOR WILL MAINTAIN ACCESS TO THE INTERSECTIONS OF GRANT AVENUE AND LINCOLN AVENUE AT ALL TIMES INCLUDING DURING THE RECONSTRUCTION OF THE PAVEMENT SO THAT RESIDENTS WILL HAVE ACCESS TO THE ALLEY BEHIND THE HOUSES ON THE EAST SIDE OF PRAIRIE AVENUE. THIS WILL BE PAID FOR UNDER AGGREGATE BASE COURSE, TYPE B ITEM.
- WHILE THE STORM SEWER, COMBINED SEWER, AND CONCRETE WORK IS BEING PERFORMED, ON-STREET PARKING WILL BE ALLOWED ON BOTH SIDES OF THE STREET AND 2 THROUGH LANES TO PERMIT LOCAL ACCESS WILL BE MAINTAINED DURING NON-WORKING HOURS.
- DURING THE INSTALLATION OF THE STORM SEWER AND COMBINED SEWER, ALL TRENCHES SHALL BE SAW-CUT FULL-DEPTH TO ALLOW FOR THE NEAT REMOVAL OF THE EXISTING PAVEMENT.
- DURING THE INSTALLATION OF THE CURB AND GUTTER, THE EXISTING PAVEMENT SHALL REMAIN IN PLACE. THE PAVEMENT SHALL BE SAW-CUT FULL-DEPTH 6" FROM THE EDGE OF PAVEMENT TO ALLOW FOR THE NEAT REMOVAL OF THE EXISTING CURB AND GUTTER.
- ALL REQUIRED SAW - CUTTING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE PERTINENT INDIVIDUAL PAY ITEMS IN THE CONTRACT.
- THE TRENCHES FOR THE STORM SEWER LATERALS AND THE COMBINED SEWER REPAIRS WILL BE BACKFILLED TO THE TOP OF THE EXISTING PAVEMENT TO PROVIDE LOCAL ACCESS. THIS WILL BE PAID FOR UNDER AGGREGATE BASE COURSE, TYPE B ITEM.
- THE TRENCH ALONG THE EAST SIDE OF PRAIRIE AVENUE FOR THE STORM SEWER WILL BE BACKFILLED TO THE TOP OF THE EXISTING PAVEMENT TO PROVIDE ACCESS AT ALL DRIVEWAYS, ALLEY RETURNS, INTERSECTIONS AND AS DIRECTED BY THE ENGINEER. THIS WILL BE PAID FOR UNDER AGGREGATE BASE COURSE, TYPE B ITEM.
- THE EXCAVATION FOR THE PROPOSED PAVEMENT SHALL BEGIN AFTER THE PLACEMENT OF THE PROPOSED CONCRETE CURB AND GUTTER, DRIVEWAYS AND SIDEWALKS.

EARTHWORK TABLE

LOCATION	REMOVAL & DISPOSAL MATERIAL (PGES) (CU YD)	EARTH EXCAVATION (CU YD)	TOTAL SUITABLE EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR 15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
PRAIRIE AVENUE						
4+65 TO 10+00	0	760	760	640	0	+640
10+00 TO 20+00	200	1,685	1,685	1,430	0	+1,430
20+00 TO 23+25	200	480	480	410	0	+410
FOREST AVENUE						
0+80 TO 7+85	0	320	320	270	0	+270
TOTALS	400	3,245	3,245	2,750	0	+2,750

Drawing File: W:\Projects\1250203 - Prairie Ave 2nd Phase\200 Project\Typical.dwg Oct 10, 2006 - 1:46pm

 HANCOCK ENGINEERING	♦ Civil Engineers ♦ Municipal Consultants ♦ Established 1911	9933 Roosevelt Road Westchester, Illinois 60154-2780 Phone: 708/865-0300 Fax: 708/865-1212
--	--	---

**PRAIRIE AVENUE IMPROVEMENTS
PHASE II
VILLAGE OF BROOKFIELD, ILLINOIS**

TYPICAL CROSS SECTIONS

SCALE:	NONE	SHEET 7 / 47
DRAWN BY:	MK/LEV	
BOOK NO.:	#1475, #1504	
DATE:	10-6-06	
REVISION:	E.H.E. NO.: 125-04-26301	OF