CONTRACT NO. #83853

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF PAVEMENT CORES for PLUM GROVE ROAD ROLLING MEADOWS, ILLINOIS

O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS

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Job No. 23153

CORE NO.	THICKNESS (in.)	MATERIAL DESCRIPTION
		Plum Grove Road, Station: 308+20, Offset: 3' Left
C-1	10.0 10.75 2.0+	ASPHALT-well consolidated CONCRETE-well consolidated CLAYEY TOPSOIL-black Mc% =20.2
		Plum Grove Road, Station: 309+00, Offset: 28' Right
C-2	12.0 7.0 7.2+	CONCRETE-well consolidated CRUSHED STONE CLAYEY TOPSOIL-black Mc% =16.9
		Plum Grove Road, Station: 313+80, Offset: 2' Left
C-3	10.5 6.5 5.0+	CONCRETE-well consolidated CRUSHED STONE SAND & GRAVEL-dark brown Mc% =8.1
		Plum Grove Road, Station: 315+00, Offset: 3' Right
C-4	10.0 7.75 6.25+	CONCRETE-well consolidated CRUSHED STONE Medium to Coarse SAND-brown Mc% =5.4
		Plum Grove Road, Station: 319+30, Offset: 28' Left
C-5	11.25 4.5 8.25+	ASPHALT-well consolidated CRUSHED STONE SILTY CLAY-brown Mc% =13.7
		Plum Grove Road, Station: 322+00, Offset: 28' Right
C-6	1.75 6.5 7.5 6.5+	ASPHALT-well consolidated CONCRETE-well consolidated CRUSHED STONE SILTY CLAY-brown Mc% =13.3
		Plum Grove Road, Station: 325+00, Offset: 13' Left
C-7	4.75 10.0 4.5 1.2+	ASPHALT-well consolidated CONCRETE-well consolidated CRUSHED STONE CLAYEY TOPSOIL-black Mc% =16.9
		Plum Grove Road, Station: 328+00, Offset: 10' Right
C-8	15.0 2.0 7.0+	ASPHALT-well consolidated Medium to Coarse SAND-brown SILTY CLAY-brown Mc% =21.9
		Euclid Avenue, Station: 28+00, Offset: 18' Right
C-9	3.5 10.25 6.25 4.2+	ASPHALT-well consolidated CONCRETE-well consolidated CRUSHED STONE SILTY CLAY-brown Mc% =17.1
		Euclid Avenue, Station: 38+20, Offset: 8' Left
C-10	3.5 12.0 4.5 6.0+	ASPHALT-well consolidated CONCRETE-well consolidated CRUSHED STONE SANDY CLAY-dark brown Mc% =14.2

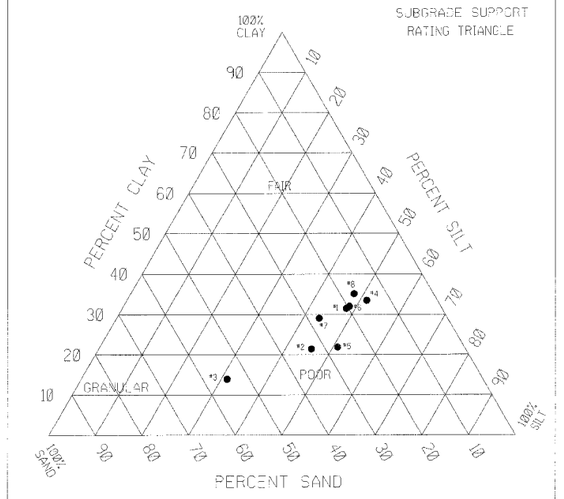
Summary of Pavement Cores for the Proposed Plum Grove Road Improvements Emerson Avenue to Wilmette Avenue Rolling Meadows, Cook County, Illinois

O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS

Page 2 of 2
Job No. 23153

CORE NO.	THICKNESS (in.)	MATERIAL DESCRIPTION
		DuPont Avenue, Station: 127+00, Offset: 7' Right
C-11	8.0 16.0+	ASPHALT-top 1.5" well consolidated, bottom 6.5" poorly consolidated CLAYEY TOPSOIL block Mc% =15.0
		Kirchoff Road, Station: 135+02, Offset: 21' Left
C-12	18.0 8.0 6.0+	CONCRETE-well consolidated CRUSHED STONE CLAYEY TOPSOIL-block Mc% =36.5

SUBGRADE SUPPORT RATING TRIANGLE



● SAMPLES
*1 B-1/S-3 (3.5'-5.0')
*2 B-3/S-2 (1.5'-3.5')
*3 B-3/S-3 (3.5'-5.0')
*4 B-4/S-3 (3.5'-5.0')
*5 B-6/S-3 & 4 (4.0'-6.5')
*6 B-7/S-3 & 4 (2.0'-5.0')
*7 B-8/S-2 (1.0'-2.5')
*8 B-12/S-3 (3.5'-5.0')

NOTES:
1. If granular soils are encountered, the soils report should note alternatives to the 12 inch improved subgrade policy.
2. Soil Separate Sizes:
Sands 2.0 mm to 0.074 mm
Silts 0.074 mm to 0.002 mm
Clays Below 0.002 mm

SUBGRADE SUPPORT RATING (SSR) Subsurface Investigation for the Proposed Plum Grove Road Improvements Emerson Avenue to Wilmette Avenue Rolling Meadows, Cook County, Illinois	O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS	DRAWN BY	RWC
		APPROVED BY	DCB
		DATE	7-14-2003
		JOB NO.	23153

O'BRIEN & ASSOCIATES, INC.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLUM GROVE ROAD SOIL BORINGS & PAVEMENT CORES

SCALE: NONE
DATE: 6/8/2006
DRAWN BY: PMM
CHECKED BY: MCW

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CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — DATE / BY / SUBMITTED / PLOTTED / NOTE BOOK / NO. / ALIGNMENT, PIECHES / PLAN FILE NAME / CADD FILE NAME

PROFILE — DATE / BY / SUBMITTED / PLOTTED / GRADES CHECKED / DESIGN AGENCY / STRUCTURE NO(S)/PNS CHKD