

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2991	08-00095-02-PV	DUPAGE	55	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ECS Job No. 6087-A
Prairie Avenue Reconstruction
Cook County, Illinois

PAVEMENT CORE SUMMARY

Core Number	Core Location	Asphalt Concrete		Total Asphalt Thickness Inches	Concrete / Brick Thickness inch	Total Pavement Thickness Inches	Subbase Material / Thickness Inches
		Surface Inches	Binder Inches				
B-2 (PC)	107+87	13.1 L	3	1 1/2	4 1/2	4 1/2	Stone / 10
B-4 (PC)	119+11	13.9 L	2	6	8	8	Stone / 2
B-5 (PC)	127+20	12.7 R	1 1/2 + 3/4	4	9	9	Stone / 9
B-6 (PC)	130+96	9.3 L	1 1/2 + 1	1 1/2	4	Concrete 8	---
B-9 (PC)	146+47	8.4 R	3	1 1/2	4 1/2	Concrete 7 1/2	Stone / 10
B-11 (PC)	153+88	8.3 R	2 1/2	---	2 1/2	Brick 4	Sand and Gravel / 8
B-12 (PC)	157+62	8.0 L	2 1/2	---	2 1/2	Brick 3 1/2	Sand / 4
B-13 (PC)	160+52	7.4 R	2	---	2	Brick 4	Stone / 9
B-15 (PC)	166+88	6.8 R	7 1/2	---	7 1/2	---	Sand and Gravel / 5
B-19 (PC)	192.07	8.1 R	1 1/2 + 1/2	---	1 1/2	Concrete 6 1/2	---
B-20 (PC)	197+02	9.1 L	2 + 1/2	---	2 1/2	Concrete 6 1/2	---
B-22 (PC)	204+95	8.2 R	1 1/2 + 1/2	---	2 1/2	Concrete 8	---
B-23 (PC)	210+98	7.3 R	1 1/2 + 1/2	---	2	Concrete 6 1/2	---

Note: PC = Pavement Core Only

U:\geotechnical\reports\6087-A Pavement Core Summary.doc

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Division of Highways
Roads Dept. of Transportation
SOIL BORING LOG
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Date 07/11/08

ROUTE DESCRIPTION Downers Grove-Prairie Avenue LOGGED BY KA
SECTION LOCATION Prairie Avenue, Belmont to Fairview, Downers Grove, IL
COUNTY Du Page DRILLING METHOD HSA HAMMER TYPE CME-75

STRUCT. NO. Station	D E P T H S	B L O C K	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H S	B L O C K	U C S	M O I S T
BORING NO. B-14 Station 124+18	H S	T W	Q u T	S	ft.	ft.	ft.	ft.	ft.
Offset 5.2 L									
Ground Surface Elev. 731.34 ft.	(ft)	(/6")	(tsf)	(%)					
(continued)									
Asphalt Depth 2"	3	1.5	25.2						
Brick Depth 6"	3	3	3						
Gravel Depth 3"	3	3	3						
Surf. 10" 20% Block	729.34								
Silty CLAY, Trace Sand and Gravel, Brown, Stiff to Very Stiff	5	2.75	17.1						
726.84	5	2	14.0						
Sandy LOAM, Trace Gravel, Brown, Moist, Medium Plastic	3	4	4						
724.34	3	2.0	14.0						
Silty CLAY, Trace Sand and Gravel, Brown, Very Stiff to Hard	3	4	4						
716.34	3	4.5	18.5						
END OF BORING @ 15.0'	15								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D 1586)
BBS, from 137 (rev. 8-99)

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BORING NO. B-16 Station 120+38	H S	T W	Q u T	S	ft.	ft.	ft.	ft.	ft.
Offset 2.6 L									
Ground Surface Elev. 728.85 ft.	(ft)	(/6")	(tsf)	(%)					
(continued)									
Asphalt Depth 2"	5	4	2						
Brick Depth 5"	5	2.75	17.8						
Gravel Depth 6"	5	4	2						
727.85	5	4.5	20.1						
Silty CLAY, Trace Sand and Gravel, Brown, Stiff to Hard	5	1.5	16.0						
716.85	5	4.5	15.0						
Silty CLAY, Trace Sand and Gravel, Gray, Very Stiff	5	2	18.1						
713.85	5	7	18.1						
END OF BORING @ 15.0'	15								

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BORING NO. B-17 Station 122+86	H S	T W	Q u T	S	ft.	ft.	ft.	ft.	ft.
Offset 5.2 R									
Ground Surface Elev. 732.37 ft.	(ft)	(/6")	(tsf)	(%)					
(continued)									
Asphalt Depth 3"	3	3.0	14.4						
Concrete Depth 7"	3	3	3						
CLAY LOAM, Trace Sand, Brown, Very Stiff	3	4.5	16.0						
729.37	3	2.5	13.1						
Silty CLAY, Trace Sand, Brown, Very Stiff to Hard	3	4.0	14.8						
720.37	3	4.0	14.8						
Silty CLAY, Trace Sand and Gravel, Gray, Very Stiff	3	2.0	18.8						
717.37	3	2.0	18.8						
END OF BORING @ 15.0'	15								

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BORING NO. B-18 Station 124+24	H S	T W	Q u T	S	ft.	ft.	ft.	ft.	ft.
Offset 7.5 L									
Ground Surface Elev. 736.88 ft.	(ft)	(/6")	(tsf)	(%)					
(continued)									
Asphalt Depth 2"	10	4.5	12.0						
Concrete Depth 7"	10	4.25	13.5						
Silty CLAY, Trace Sand and Gravel, Brown, Hard	10	4.5	16.0						
724.68	10	4.5	15.4						
Silty CLAY, Trace Sand and Gravel, Gray, Very Stiff	4	2.5	15.7						
721.68	4	2.5	15.7						
END OF BORING @ 15.0'	15								

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BORING NO. B-21 Station 200+24	H S	T W	Q u T	S	ft.	ft.	ft.	ft.	ft.
Offset 2.0 R									
Ground Surface Elev. 735.34 ft.	(ft)	(/6")	(tsf)	(%)					
(continued)									
Asphalt Depth 4"	3	2.0	22.3						
Concrete Depth 7"	3	2	22.3						
Silty CLAY, Trace Sand and Gravel, Brown, Very Stiff to Hard	3	3.0	20.5						
723.34	3	4.5	17.1						
Silty CLAY, Trace Sand and Gravel, Gray, Very Stiff	6	4.5	17.1						
720.34	6	4.5	20.9						
Silty CLAY, Trace Sand and Gravel, Gray, Very Stiff	5	2.0	18.5						
720.34	5	2.0	18.5						
END OF BORING @ 15.0'	15								

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PLOT DATE = 2/9/2009
FILE NAME = m:\downers-grove\1012\phase2\conct\delivered\tbl\012.BL.01.11.02.dgn
PLOT SCALE = 5.00000 / IN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PRAIRIE AVENUE RECONSTRUCTION
BORING LOGS
SCALE: N.T.S.
DATE: 11/21/2008
DRAWN BY MTH
CHECKED BY DJL