STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Illinois D_,artment of Transportation Division of Highways Biologic Department of Transportation		.0(Ĵ		age <u>1</u>	
ROUTE IL 178 Realignment DESCRIPTION New Canai Bridge			_ 1.0			
SECTION LOCATION _, SEC. 8, TWP. 33N, RNG. 2, 3rd PI	м					
COUNTY LaSalle CORING METHOD Rotary			R		CORE	s
			EC	R	т	TR
STRUCT. NO. 050-7201 CORING BARREL TYPE & SIZE 5' Double tube	D	с	0	ė	1	E
Core Diameter in	E P	O R	V E	D	M	N G
BORING NO. <u>3 North Abutment</u> Top of Rock Elev. <u>470.95</u> ft Station <u>178+79.12</u> Begin Core Elev. <u>467.95</u> ft	T	E	R		-	Т
Station 178+79.12 Begin Core Elev. 457.95 ft Offset 8.16ft Rt	н		γ			н
Ground Surface Elev. 477.95 ft	(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
Light gray and white mix of reworked Dolostone pieces, rounded Quartz Sand grafite.95 in carbonate matrix with occasional areas of thin gray shale and argiilaceous Limestone		1	73	30		201.9
466.15						131.1
Light gray Sand with carbonate matrix and occasional few reworked pieces of 465.55 Dolostone						
Light gray Sandstone with greenish gray Clay filled fractures and holes						209.0
	_					
463.05 Light gray argillaceous Dolostone or Limeston with interbedded 1-2" thick areas of	-15					
Quartz Sandstone with carbonate matrix. Thin Clay filled cracks throughout.	-	2	99	69		
						408.0
						827.4
459.15 Light gray medium grained Sandstone. Very minor Clay filled fractures, carbonate	-					
matrix or cement.	-					307.1 369.0
End of Boring 457.95	20	3	98	69		309.0
						696.7
	_					971.7
	_					
						646.3
	-25					
	-25		-			
	-25				1	
	-25					
	-25					
	-25					
	-25					
	-25 					
	-25					
Color pictures of the cores	-25					

ROCK CORE LO	G
ROUTE IL 178 Realignment DESCRIPTION New Canal Bridge	L
SECTION LOCATION _, SEC. 8, TWP. 33N, RNG. 2, 3rd PM	
COUNTY LaSaile CORING METHOD Rotary	R
STRUCT. NO. 050-7201 CORING BARREL TYPE & SIZE 5' Double tube D C Station	C V E R Y (%
Light gray calcareous Sandstone with thin Clay filled partings and 1-2" layers of 464.37 1 argillaceous Limestone (predominately medium grained)	
Light gray calcareous Sandstone with included Dolostone pieces, somewhat vuggy 2 458.37 Light gray arglilaceous Limestone with thin Clay partings15 15 Dark gray ohert and recrystallized Quartz with incorporated well rounded quartz SHSR77	96
grains (has oditic appearance) Light gray mix of Sand grains in carbonate matrix interbedded with shale and fir <u>465.17</u> grained Sandstone Umestone with included pieces of Dolostone and Quartz rounded Sand grains Dath gray ware construction with this Construction of Sand grains Dath gray ware construction with this construction of the sand grains 13.2	94
Medium gray argillaceous Limestone or Dolostone with thin Shale	3**
449.87 Dark gray and brown, vuggy, calcareous Sandstone with pieces of Dolostone Lowar49.37 St. Peter Formation Ancell Group, Ordivician System	
5 	
Color pictures of the cores Cores will be stored for examination until The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM	D2931 BS, for

DESIGNED	CMF
CHECKED	ТММ
DRAWN	RNH
CHECKED	ТИМ

私	McDonough-Whitlow, P.C.		F.A
VV.	Consulting Engineers & Land Surveyors	SHEET NO. 20	RI
	138 East Wood Street		12
	Hillsboro, IL 62049 Phone: 217.532.9233	20 SHEETS	
	Fax: 217.532.6300 PROFESSIONAL DESIGN No. 184-002754		FE

