STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation Division of Highways limited Department of Transportation Illinois D of Transp Differen of Highware Page <u>1</u> of <u>1</u> **ROCK CORE LOG** Date 8/30/04 ROUTE IL 178 Realignment DESCRIPTION ROUTE IL 178 Realignment Clark Ru LOGGED BYLarry Mevers LOCATION _, SEC. 8, TWP. 33N, RNG. 2, 3rd PM SECTION SECTION R CORE S COUNTY LaSalle CORING METHOD Rotary COUNTY LaSalle CO R Q 1 . M D E UnrenVG BARREL TYPE & SIZE <u>5' Doub</u> Core Diameter <u>2</u> in Top of Rock Elev. <u>470.57</u> ft Offset <u>4.377 kt</u> Ground Surface Elev. <u>483.07</u> ft Light gray mix of Dolostone pieces, rounded Quartz Sand greins in argillaceons RENGTH STRUCT. NO. 050-7201 CORING BARREL TYPE & SIZE 5' Double tube D C 0 Q Station STRUCT. NO. 050-7201 Station E O V P R E T E R H Y BORING NO. 2 West Abutment Station 14:53:56 Offset 15:06f11 Ground Surface Elev. 482.56 Medium BrownGray FineCoarse at 13:2. (continued) Gray fine grained Limestone and medium will tona ded cand grain Light gray & while charty calcar partings. Sand grains are medium argillaceous metrix.
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 (ft)
 (#)
 (%)
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 82
 27

 -15
 t) (tsf) 469 07 579.5 504.2
 Thin interbedded argillaceous Limestone and shale
 466.57

 Rounded Quentz grains in carbonate matrix with areas of gray Shale & Clay and argillaceous Limestone. 3" layer of white Sandstone at 22"
 —
287.5 <u>2</u> 99 76 , <u>-20</u> Gray angillaceous Dolostone, some graenial gray Clay partings. This Carbonates meterial. Dark gray Carbonate and Sand m arthoare matrix with larger piece clay gray argillaceous carbonate larger reworked Dolostone pieces. Gray Carbonate with Pyrite filled up to T' in size in an argillaceou badding pianes. Lower St. Peter Fr End of Boring 226.4 501.9 403.3 460.07 589.0 882.4 Light gray argillaceous Dolostone. 459.07 End of Boring -25 -30 Color pictures of the cores Cores will be stored for examinat The "Strength" column represents

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epartment portation ROCK CO	RE	LOC	3	P	age <u>1</u>	of _
vs of Transportation				D	ate	9/7/04
DESCRIPTION Clark Run			10	GGED	BYLarr	v Meve
LOCATION _, SEC. 8, TWP. 33N, RNG. 2, 3	rd PM					
RING METHOD Rotary			R		CORE	s
	r		EC	R	т	TR
CORING BARREL TYPE & SIZE 5' Double t			0	à	1	E
Core Diameter in			V	:	M	N
Top of Rock Elevft	1		ER	D	E	G
Begin Core Elev. <u>468.06</u> ft	i		Ŷ	· ·		Ĥ
ft		t) (#)	(%)	(%)	(min/ft)	(tsf)
Sand with Limestone Pieces and Silt. Top of rog	- I'					
	67.66	15 1	50	14		
Dolostone with pleces of reworked Dolostone an , Vuggy with secondary Calcite and Pyrite. This	d	_				626.3
s. ous Sandstone with thin (<1 mm) Clay & Shale		1				394.1
and well rounded. Some areas of highly	_	-				
	_					
		-				
		-				
	62.56 -	20 2	95	53		
what vuggy with Pyrite and Calcite fillings. Thin (< 0.3mm) vertical fractures filled with Iron		_				508.8
	61.16					382.8
nix (well rounded sand grains in an argillaceous,		-				536.3
es of included Dolostone). Two very thin greenis	60.16]				783.8
matrix with included well rounded Sand grains a	nd	-				538.6
	58.86	-				737.9
holes. Appears to be pieces of reworked Dolosto s Carbonate matrix. Vertical fractures between	ne 58.06	-				
ormation, Ancell Group, Ordovician System.	-	25				
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<u>SOIL_BORINGS</u> STRUCTURE NO. 050-7201

	F.A.S. RTE.	A.S. SECTION			со	UNTY	TOTAL SHEETS	SHEET NO.
	1279	6R, B			LA	SALLE	190	139
	SN 050-7201					TRACT	NO. 66	6547
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

SHEET NO.17

17 SHEETS