

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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ROUTE FA 734 DESCRIPTION P-92-005-89 IL 2 over Mud Creek LOGGED BY T. Bratt

SECTION 77-2-2, 77-2B-1, 77-2HB, 77B-1-M LOCATION Owen Twp. - NE, SEC. 26, TWP. 45N, RNG. 1E, PM

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M
		EP	LO	CS	OST			EP	LO	CS	OST
		T	W	S	Qu			T	W	S	Qu
BORING NO. B-4g	Station 22+668	H <td>S <td>Qu <td>T <td>Groundwater Elev.: 700.8 ft</td> <td>First Encounter Upon Completion Wash ft</td> <td>H <td>S <td>Qu <td>T </td></td></td></td></td></td></td>	S <td>Qu <td>T <td>Groundwater Elev.: 700.8 ft</td> <td>First Encounter Upon Completion Wash ft</td> <td>H <td>S <td>Qu <td>T </td></td></td></td></td></td>	Qu <td>T <td>Groundwater Elev.: 700.8 ft</td> <td>First Encounter Upon Completion Wash ft</td> <td>H <td>S <td>Qu <td>T </td></td></td></td></td>	T <td>Groundwater Elev.: 700.8 ft</td> <td>First Encounter Upon Completion Wash ft</td> <td>H <td>S <td>Qu <td>T </td></td></td></td>	Groundwater Elev.: 700.8 ft	First Encounter Upon Completion Wash ft	H <td>S <td>Qu <td>T </td></td></td>	S <td>Qu <td>T </td></td>	Qu <td>T </td>	T
Offset ft N.B. N.Abut. CL	Ground Surface Elev. 705.8 ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)
						VERY STIFF, mauve SILTY CLAY					
						684.30					
						703.30					
						VERY SOFT, black LOAM with ORGANICS					
						681.80					
						701.30					
						VERY LOOSE, gray, fine to medium SAND					
						679.30					
						699.30					
						pea GRAVEL - 5% sample recovery due to cobble					
						676.80					
						696.30					
						VERY STIFF, mauve SILTY CLAY with SAND on top					
						673.80					
						694.30					
						Same as above					
						691.80					
						VERY LOOSE tan fine grained SAND					
						671.80					
						691.80					
						Same as above					
						689.30					
						Wash DENSE tan SAND & GRAVEL					
						669.30					
						689.30					
						Same as above					
						686.80					
						Wash VERY DENSE tan SAND & GRAVEL with a CLAY TILL lens					
						666.80					
						686.80					



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		EP	LO	CS	OST			EP	LO	CS	OST
		T	W	S	Qu			T	W	S	Qu
BORING NO. B-5g	Station 22+640	H <td>S <td>Qu <td>T <td>Groundwater Elev.: 701.2 ft</td> <td>First Encounter Upon Completion Wash ft</td> <td>H <td>S <td>Qu <td>T </td></td></td></td></td></td></td>	S <td>Qu <td>T <td>Groundwater Elev.: 701.2 ft</td> <td>First Encounter Upon Completion Wash ft</td> <td>H <td>S <td>Qu <td>T </td></td></td></td></td></td>	Qu <td>T <td>Groundwater Elev.: 701.2 ft</td> <td>First Encounter Upon Completion Wash ft</td> <td>H <td>S <td>Qu <td>T </td></td></td></td></td>	T <td>Groundwater Elev.: 701.2 ft</td> <td>First Encounter Upon Completion Wash ft</td> <td>H <td>S <td>Qu <td>T </td></td></td></td>	Groundwater Elev.: 701.2 ft	First Encounter Upon Completion Wash ft	H <td>S <td>Qu <td>T </td></td></td>	S <td>Qu <td>T </td></td>	Qu <td>T </td>	T
Offset ft S. Abut. Med. CL	Ground Surface Elev. 708.7 ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)
						MEDIUM brown SILTY LOAM					
						681.20					
						706.70					
						MEDIUM tan SAND & GRAVEL					
						684.70					
						704.20					
						MEDIUM black SILTY LOAM with ORGANICS					
						682.20					
						701.70					
						VERY LOOSE gray SAND & GRAVEL					
						675.70					
						699.70					
						LOOSE gray SAND & GRAVEL					
						672.20					
						686.70					
						HARD mauve SILTY CLAY					
						674.20					
						694.70					
						Same as above					
						671.70					
						692.20					
						Wash MEDIUM tan fine grained SAND & GRAVEL					
						671.70					
						692.20					
						VERY STIFF brown SILTY CLAY					
						665.70					
						689.70					



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Offset ft N.B. N.Abut. CL	Ground Surface Elev. 705.8 ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)
						Wash VERY DENSE tan SAND & GRAVEL					
						664.30					
						664.30					
						MEDIUM gray SAND & GRAVEL					
						661.80					
						661.80					
						No sample, probably gray SILTY CLAY TILL					
						658.80					
						658.80					
						VERY STIFF gray/brown SILTY CLAY TILL					
						656.80					
						656.80					
						VERY STIFF brown SANDY LOAM TILL					
						654.30					
						654.30					



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Offset ft S. Abut. Med. CL	Ground Surface Elev. 708.7 ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)
						DENSE tan SAND & GRAVEL					
						667.20					
						667.20					
						Wash MEDIUM reddish tan SAND & GRAVEL					
						664.70					
						664.70					
						Wash VERY DENSE tan SAND & GRAVEL with LIMESTONE fragments					
						661.70					
						661.70					
						VERY STIFF brown SILT					
						659.70					
						659.70					

DESIGNED - APH
CHECKED - JAW
DRAWN - APH
CHECKED - JAW

BORING LOGS
STRUCTURE NO. 101-0177 & 101-0178

SHEET NO. 30	F.A.P. RTE. 734	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		77-2B-1, 77-2-2	WINNEBAGO	530	302
30 SHEETS		CONTRACT NO. 64813			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			