EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR*	EARTH EXC. ADJUSTED FOR SHRINKAGE	EMBANKMENT	EXCESS EXCAVATION	EXCAVATION REQUIRED TO COMPLETE	BORROW EXCAVATION **	REMARKS		
	CU YD	%	CU YD	CU YD	CU YD	CU YD	CU YD			
ILL 34		, , , , , , , , , , , , , , , , , , , ,								
1569+80 TO 1630+50	1634							EARTH EX QUANTITY NOT INTENDED FOR REUSE (WIDENING)		
1630+50 TO 1635+69	57	41.70	24	174		150	177	A STATE OF THE STA		
1636+37 TO 1640+00	13	41.70	5	328		323	381			
1651+00 TO 1657+50	634	62.10	394	2433		2039	2406			
SMALL STREET										
37+00 TO 44+50	478	57. 40	274	1086		812	958			
DORRIS HEIGHTS ROAD										
45+50 TO 46+90	63	51.30	32	53		21	24			
TOTAL	20.70						7046			
TOTAL	2879			L	<u> </u>	<u> </u>	3946			

*THE SHRINKAGE FACTOR WAS CALCULATED AT EVERY STATION BASED UPON THE END AREA OF CUT. THE SHRINKAGE FACTOR WAS CALCULATED USING THE FOLLOWING EQUATION:
P = (2000 / (E + 37)) + 16 WHERE: P = SHRINKAGE FACTOR IN PERCENT P = (2000 / (E + 37)) + 16

WHERE: P = SHRINKAGE FACTOR IN PERCENT

E = END AREA OF CUT IN SQUARE FEET

AND WAS APPLIED TO THE END AREA BY USING THE FOLLOWING EQUATION: END AREA X (1 - P)

** A SWELL FACTOR OF 1.18 WAS USED TO CALCULATE BORROW EXCAVATION.

GUARDRAIL SCHEDULE

		•			<u> </u>			
LOCATION STATION TO STATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL TYPE A 6 FT STEEL POST	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)			TRAFFIC BARRIER TERMINAL TYPE 6B	GUARDRAIL MARKERS, TYPE B	TERMINAL MARKER- DIRECT APPLIED
	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH
IL 34 LEVEE								
NORTHWEST QUAD.	221	400	12.5	1	2	1	6	1
SOUTHWEST QUAD.	104	100		1		1	4	1
NORTHEAST QUAD.	182	237.5	50	1	2	1	5	1
SOUTHEAST QUAD.	69	175	37.5	3		1	4	3
TOTAL	576	912.5	100	6	4	4	19	6

FILE NAME = .	USER NAME = rollavr	DESIGNED -	REVISED -	STATE OF ILLINOIS		EARTHWORK AND GUARDRAIL			SECTION	COUNTY	TOTAL	SHEF
c:\pw_work\PWIDOT\ROLLAVR\dms43714\d97	265_sht_schedule.dgn	DRAWN -	REVISED -				· ·	869		Saline	82	21
	PLOT SCALE = 50.00000 ' / IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		SCHEDULES				CONTRACT	T NO.	7806
PLOT DATE	PLOT DATE = 10/9/2009	DATE -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA.	TO STA.		ILLINOIS FED	AID PROJECT		*************
	4							105(TS-2,N-1,R	S-3,RS-2)			