

## EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION	FOR INFORMATION ONLY					BORROW EXCAVATION	
		AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE			BORROW PIT SHRINKAGE FACTOR
					WASTE (+)	SHORTAGE (-)		
CU YD	%	CU YD	CU YD	CU YD	CU YD	%	CU YD	
100+00 TO 140+50	36,706	20.3	29249	5,611	23,638			
South Berm				8,125	-8,125			
Swale (2 locations)	266	20.3	212		212			
<b>TOTAL</b>	<b>36,972</b>						<b>0</b>	

•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  
 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)  
 THE MAXIMUM SHRINKAGE FACTOR USED WAS 43.2%

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE EARTHWORK</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\dot\lavenderba\d0277604\78278--sh\details.dgn		DRAWN -	REVISED -			853	•	FRANKLIN	86	10	
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -			CONTRACT NO. 78278					
PLOT DATE = 3/20/2012		DATE -	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		