

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	101-2(RS-1,N-1)	ALEXANDER	189	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EARTHWORK

LOCATION STA TO STA	EARTH EXCAVATION CU M	FOR INFORMATION ONLY					BORROW SWELL FACTOR **	BORROW EXCAVATION CU M
		AVERAGE SHRINKAGE FACTOR %	EARTH EXCAVATION (ADJUSTED) CU M	EMBANKMENT CU M	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) CU M			
IL 146								
STA 12+539.4 TO STA 14+079.	1,729	27.1%	1,260	1,372	-112			
STA 14+079. TO STA 15+925.	1,610	29.8%	1,130	1,062	68			
STA 15+925. TO STA 16+100.	225	21.6%	176	459	-283			
STA 9+925. TO STA 9+993.92 GERARD RD.	214	24.0%	163	221	-58			
STA 10+028.27 TO STA 10+087.3 REIMAN RD.	9	19.3%	7	561	-554			
LT STA 5+921.3 TO STA 6+006.08	28	36.8%	18	17	1			
STA 0+000. TO STA 0+133.6 RT TURN RAMP	33	30.3%	23	146	-123			
IL 146 PROJECT TOTAL	3,848		2,777	3,838	-1,061	25.0%	1,415	
IL 3								
STA 41+623.6 TO STA 41+945.	803	26.4%	591	823	-232			
STA 41+945. TO STA 42+054.3	124	29.2%	88	211	-123			
STA 42+054.3 TO STA 42+225.	276	26.7%	202	363	-161			
IL 3 PROJECT TOTAL	1,203		881	1,397	-516	25.0%	688	
PROJECT TOTAL	5,051		3,658	5,235	-1,577		2,103	

** BORROW PIT SHRINKAGE = 25%

BORROW SWELL FACTOR = 1/(1-25%) = 1.33

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE

SCALE: VERT.
HORIZ.
DATE

DRAWN BY JCK
CHECKED BY