

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
*	**	***	304	22
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

* FAU 9481, FAS 2887 (IL 37)
 ** (12,12X),RS-3,12B-1,12B1-1
 *** FRANKLIN AND WILLIAMSON

EARTHWORK

LOCATION STATION TO STATION	EARTH EXCAVATION CU YD	FOR INFORMATION ONLY					BORROW SWELL FACTOR **	BORROW EXCAVATION CU YD	CHANNEL EXCAVATION CU YD	REMARKS
		AVERAGE SHRINKAGE FACTOR %	EARTH EXCAVATION (ADJUSTED) CU YD	EMBANKMENT CU YD	EARTHWORK BALANCE					
					WASTE (+) CU YD	SHORTAGE (-) CU YD				
FRANKLIN COUNTY										
FAU 9481 (IL 37)										
STA 79+75 TO 94+19.21 BK	405	23.3	311	921		-610	1.33	811		OBTAIN BORROW FROM JOB SITE
STA 366+03.65 AH TO 372+70	118	23.1	91	1151		-1060	1.33	1410		OBTAIN BORROW FROM JOB SITE
STA 90+72.52 TO 90+86.88	318									FOR PROPOSED BOX CULVERT
STA 91+13.12 TO 91+27.45	318									FOR PROPOSED BOX CULVERT
STA 373+50 (POND CREEK BRIDGE)									457	UNSUITABLE SOIL, NOT TO BE USED AS FILL MATERIAL
LOCATION TOTAL	1159		402	2072		-1670			457	
FAS 2887 (IL 37)										
STA 374+30.25 TO 382+93.50 BK	2447	24.4	1850	1210		640				
STA 382+98.60 AH TO 390+30	2741	33.8	1814	93		1721				
STA 390+30 TO 393+59	1396	33.7	926	121		805				
STA 393+59 TO 400+49	3635	28.0	2619	488		2131				
STA 400+49 TO 403+67	623	28.6	445	254		191				
STA 403+67 TO 407+15	354	33.5	236	126		110				
STA 407+15 TO 443+78	7109	29.1	5040	1494		3546				
STA 443+78 TO 457+12	2107	31.2	1449	387		1062				
LOCATION TOTAL	20412		14379	4173		10206			0	
FRANKLIN COUNTY PROJECT TOTALS	21571		14781	6245		8536			457	
WILLIAMSON COUNTY										
FAS 2887 (IL 37)										
STA 457+12 TO 475+14	4277	28.2	3072	763		2309				
STA 475+14 TO 477+33.40 BK	702	36.8	444	14		430				
STA 477+36.79 AH TO 525+00	12372	28.4	8853	2030		6823				
GRADE CUT REGION										
STA 525+00 TO 540+00										
STAGE 1	4506	25.9	3340	633		2707				
STAGE 2	10295	30.0	7204	223		6981				
STAGE 3	2199	26.8	1610	1170		440				
STA 540+00 TO 543+48	1519	24.8	1143	408		735				
STA 543+48 TO 569+00										
STAGE 1	5344	29.2	3785	804		2981				
STAGE 2	9861	28.1	7092	955		6137				
STAGE 3	2759	24.1	2093	1812		281				
STA 569+00 TO 577+41	1995	29.2	1413	489		924				
LOCATION TOTAL	55829		40049	9301		30748			0	
WILLIAMSON COUNTY PROJECT TOTALS	55829		40049	9301		30748			0	
PROJECT TOTAL	77400		54830	15546		39284			457	

** BORROW PIT SHRINKAGE = 25%

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

EXPLORATION TRENCH

LOCATION STATION TO STATION	EXPLORATION TRENCH, SPECIAL FEET	REMARKS
FRANKLIN COUNTY		
FAU 9481 (IL 37)		
RT STA 81+20 TO 81+30	10	4 FT WIDE
RT STA 81+52 TO 82+12	60	4 FT WIDE
FRANKLIN COUNTY PROJECT TOTALS	70	
PROJECT TOTAL	70	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE: VERT. NO SCALE	DRAWN BY CNH	
DATE	CHECKED BY	

SCHEDULE