CONTRACT NO. 98542

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
932	(8,9,11)W,RS-1	*	401	31

STA. TO STA.

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

* JOHNSON & POPE

RESURFACING SCHEDULE

LOCATION STATION TO STATION	HMA SURF CSE MIX "C", N90	HMA BIND CSE IL-19.0, N90	MATERIAL TRANSFER DEVICE	BASE COURSE WIDENING 9"	STRIP REFLECTIVE CRACK CONTROL TREATMENT	HMA SHLDRS 6"	HMA SHLDRS	PAVED SHOULDER REMOVAL	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE REMOVAL VAR DEPTH	HMA SURFACE REMOVAL (BUTT JOINT)	TEMPORARY RAMP
	TON	TON	TON	SQ YD	FOOT	SQ YD	TON	SQ YD	GALLON	TON	SQ YD	SQ YD	SQ YD
JOHNSON CO.													
9+19.91 RT IL 147 TO 9+95.43 RT IL 147 *				91									
109+24.51 LT IL 146 TO 0+56.98 RT IL 147								140					
106+94.70 LT IL 146 TO 1+69.72 LT IL 147							39						
0+56.98 RT IL 147 TO 1+75.73 RT IL 147							10						
9+15.39 TO 9+60.39											533		
9+15.39 TO 10+00 (BK)	59	71	130						91	2			
0+00 (AH) TO 67+25.40 (BK)	1508	2973	4481	4879	13114	5928			2334	27			
67+41.44 (AH) TO 110+61.15 (BK)	968	1854	2822	3218	8640	3884			1498	18			
110+96.24 (AH) TO 150+35.69 (BK)	883	2087	2970	3012	7879	3605			1366	16			
150+12.68 (AH) TO 201+95.31 (BK)	1161	2461	3622	3895	10366	4683			1797	21			
202+03.07 (AH) TO 242+30.70	902	2068	2970	3066	8056	3610			1397	17			
243+68.50 TO 279+24.37 (BK)	797	1706	2503	2694	7112	3251			1233	15			
283+28.09 (AH) TO 412+56.80	2896	6049	8945	9691	25858	11692			4483	52			
414+20.40 TO 434+12.35 (BK)	446	984	1430	1541	3984	1786			691	8			
434+76.95 (AH) TO 528+83.33 (BK)	2107	4859	6966	7235	18813	8472			3261	38			
528+54.91 (AH) TO 535+43.40	154	321	475	523	1377	612			239	3			
537+37.30 TO 543+14.97 (COUNTY LINE)	129	224	353	431	1156	514			201	3			
242+00.70 TO 242+30.70												74	31
243+68.50 TO 243+98.50												74	31
412+26.80 TO 412+56.80												74	31
414+20.40 TO 414+50.40												74	31
535+13.40 TO 535+43.40												74	31
537+37.30 TO 537+67.30												74	31
SUBTOTAL (JOHNSON CO.)	12010	25657	37667	40276	106355	48037	49	140	18591	220	533	444	186
POPE CO.													
543+14.97 (COUNTY LINE) TO 572+19.46 (BK)	651	1363	2014	2169	5809.0	2582			1007	12			
572+24.15 (AH) TO 576+04.50	85	194	279	287	761.0	339			132	2			
583+00 TO 677+70.40	2147	4236	6383	7042	18941.0	8512			3323	39			
575+74.50 TO 576+04.50												74	31
583+00 TO 583+30												74	31
676+88.80 RT IL 147 TO 676+48.84 LT IL 145 *				104									
677+40.39 TO 677+70.39												212	128
SUBTOTAL (POPE CO.)	2883	5793	8676	9602	25511	11433	0	0	4462	53	0	360	190
TOTALS	14893	31450	46343	49878	131866	59470	49	140	23053	273	533	804	376

* AREAS GREATER THAN 6 FT WIDE ARE INCLUDED IN BASE COURSE WIDENING, 9"

EARTHWORK SCHEDULE

BAL	LOCATION STATION TO STATION	ROCK EXCAVATION	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	CU YD	
	JOHNSON CO.									
1	0+00 TO 118+00	900	36898	75.77	27958	21088	6870	0	0	
2	118+00 TO 236+00	2463	24396	73.13	17841	20867	0	3026	0	USED 3026 CU YD FROM BAL 1
3	236+00 TO 359+00	2394	33210	74.79	24837	30601	0	5764	1426	USED 3844 CU YD FROM BAL 1 & 712 CU YD FROM WETLAND
4	359+00 TO 479+00	7513	19102	71.87	13728	34798	0	21070	24863	
5	479+00 TO 543+14.97	1007	11523	72.11	8309	17875	0	9565	11287	
	WETLAND	0	990	79.00	782	70	712	0	0	
	SUBTOTAL (JOHNSON CO.)	14277	126119						37576	
	POPE CO.									
6	543+14.97 TO 606+00	389	12387	75.04	9296	32314	0	23020	24876	USED 1939 CU YD FROM BAL 7
7	606+00 TO 677+00	237	16196	73.06	11833	9894	1939	0	0	
	SUBTOTAL (POPE CO.)	626	28583						24876	
	TOTAL	14903	154702						62452	

*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 79%

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

THE QUANTITY FOR ROCK EXCAVATION IS NOT REFLECTED IN EMBANKMENT OR BORROW EXCAVATION QUANTITIES.

PLOT DATE = 8/28/2008
FILE NAME = c:\projects\d90329B\4-03-03\d90329Bsc.m32
PLOT SCALE = 50.0000 '/ IN.
USER NAME = rollorr

RESURFACING AND EARTHWORK SCHEDULES