EARTHWORK SCHEDULE

BAL	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	
1	MEDIAN STA 681+50 TO 709+00	138	44.93	62	6104		6042	7130	
2	MEDIAN STA 709+00 TO 736+00	0			7316		7316	8633	
3	MEDIAN STA 736+00 TO 763+00	0			8793		8793	10376	
4	MEDIAN STA 763+00 TO 785+00	1047	68.00	712	6090		5378	6346	
5	MEDIAN STA 785+00 TO 829+00	205	41.95	86	17110		17024	20088	
6	CROSSOVER 1 & 2 650+00 TO 658+00	142	41.55	59	687		628	741	
7	CROSSOVER 3, 4, 5, & 6 747+00 TO 761+50	0			1033		1033	1219	
8	CROSSOVER 7 & 8 813+00 TO 826+00	0			1627		1627	1920	
9	RIGHT STA 688+00 TO 707+00	5743	75.61	4342	2024	2318			
10	RIGHT STA 707+00 TO 735+00	877	61.80	542	2883		2341		2318 FROM BAL 9, 23 YD FROM BAL 11
11	RIGHT STA 735+00 TO 761+00	4245	68.60	2912	1780	1132			
12	RIGHT STA 761+00 TO 779+00	524	56.30	295	609		314		314 YD FROM BAL 11
13	RIGHT STA 779+00 TO 818+00	14990	77.81	11664	2404	9260			
14	NB VETERAN EXIT RAMP 407+00 TO 411+00	551	68.24	376	22	354			
15	NB VETERAN ENTRANCE RAMP 311+50 TO 315+50	338	60.06	203	64	139			
16	NB ILL 15 EXIT RAMP 2+00 TO 6+50	432	62.73	271	802		531		531 YD FROM BAL 11
17	NB ILL 15 ENTRANCE RAMP 4+00 TO 11+50	223	46.19	103	27	76			
18	LEFT STA 688+00 TO 709+50	4358	73.52	3204	887	2317			
19	LEFT STA 710+00 TO 736+50	35	40.00	14	2254		2240		2240 YD FROM BAL 18
20	LEFT STA 737+00 TO 763+00	3003	73.36	2203	2887		684	513	77 YD FROM BAL 18, 172 YD FROM BAL 22
21	LEFT STA 764+00 TO 785+50	869	58.11	505	1163		658	776	
22	LEFT STA 786+00 TO 829+00	5985	73.87	4421	4249	172			
23	SB VETERAN ENTRANCE RAMP 511+00 TO 515+50	231	56.28	130	213		83	98	
24	SB VETERAN ENTRANCE RAMP 604+50 TO 609+00	203	50.74	103	99	4			
25	SB ILL 15 EXIT RAMP 1+00 TO 12+50	53	41.51	22	308		286	337	
26	SB ILL 15 ENTRANCE RAMP 4+00 TO 11+50	34	41.18	14	585		571	674	
27	NORTHBOUND RIGHT STA 634+00 TO 646+50	11	36.36	4	125		121		121 FROM BAL 30
28	NORTHBOUND MEDIAN STA 634+00 TO 646+50	224	41.52	93	360		267		183 FROM BAL 30, 84 FROM BAL 31
29	SOUTHBOUND MEDIAN STA 636+00 TO 677+50	310	41.61	129	164		35		35 FROM BAL 31
30	CROSSOVER 1 & 2 650+00 TO 658+00	687	64.92	446	142	304			
31	CROSSOVER 3, 4, 5, & 6 747+00 TO 761+50	1033			0	1033			
32	CROSSOVER 7 & 8 813+00 TO 826+00	1627			0	1627			
	TOTAL	48118						58851	

*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 21%

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

FILE NAME = c:\pw_work\pwidot\colemm\d0169788\78172_sht_schedules.dgn	USER NAME = colemm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/25/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	Jefferson	422	20
		CONTRACT NO. 78172		
	ILLINOIS	FED. AID PROJECT		

(41-2-1,41-3,41-3-1)R-1