

EARTH EXCAVATION SCHEDULE - STAGE 2										
LOCATION	1	2	3	4	5	6	7	8	9	10
	THEORETICAL		UNSUITABLE MATERIAL	RESTRICTED USE MATERIAL	ADJUSTED EARTHWORK			EXCESS (SHORTAGE)	TOPSOIL PLACEMENT	TOPSOIL FURNISH & PLACEMENT 4"
	CUT	FILL			CUT	CUT X 0.75	FILL			
STATION TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	SO YD
US ROUTE 34										
STA 522+00.00 TO STA 528+92.63	2,056	3,266	2,119		(63)	(47)	3,266	(3,313)	549	4,941
STA 528+92.63 TO STA 547+00.00	1,630	8,976	7,107		(5,477)	(4,108)	8,976	(13,084)	891	8,019
STA 776+84.33 TO STA 803+29.29	4,483	11,841	2,957		1,526	1,145	11,841	(10,697)	1,313	11,817
STA 803+29.29 TO STA 826+00.00	2,964	15,418			2,964	2,223	15,418	(13,195)	1,399	12,591
IL ROUTE 94/116										
STA 6+72.28 TO STA 26+70.22	3,634	56,619			3,634	2,726	56,619	(53,894)	999	8,991
STA 26+70.22 TO STA 45+60.08	4,415	48,678			4,415	3,311	48,678	(45,367)	1,069	9,621
RAMP C										
STA 7+00.00 TO STA 21+50.00	32,419	13,029			32,419	24,314	13,029	11,285	2,742	24,678
RAMP D										
STA 0+23.09 TO STA 11+00.00	10,981	16,023			10,981	8,236	16,023	(7,787)	1,817	16,353
TOTAL	62,582	173,850	12,183	0	50,399	37,799	173,850	(136,051)	10,779	97,011

EARTH EXCAVATION (WIDENING) SCHEDULE		
LOCATION	AREA	VOLUME
	SO YD	CU YD
DETOUR No. 1		
STA 2547+89.52 TO STA 2552+80.00	491.4	109
DETOUR No. 2		
STA 1780+00.00 TO STA 1784+66.00	525.3	117
TOTAL	226	

SETTLEMENT PLATFORM SCHEDULE			
LOCATION	OFFSET	EACH	+90
			DAYS
US ROUTE 34			
STA 751+00.00	65' RT	1	190
STA 755+50.00	65' LT	1	190
STA 759+10.00	65' RT	1	190
TOTAL		3	

EARTH EXCAVATION SCHEDULE - STAGE 3										
LOCATION	1	2	3	4	5	6	7	8	9	10
	THEORETICAL		UNSUITABLE MATERIAL	RESTRICTED USE MATERIAL	ADJUSTED EARTHWORK			EXCESS (SHORTAGE)	TOPSOIL PLACEMENT	TOPSOIL FURNISH & PLACEMENT 4"
	CUT	FILL			CUT	CUT X 0.75	FILL			
STATION TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	SO YD
US ROUTE 34										
STA 533+00.00 TO STA 545+00.00	6,846	2,302			6,846	5,135	2,302	2,833	1,098	9,882
STA 611+78.78 TO STA 614+00.00	8,726	2,643			8,726	6,545	2,643	3,902	879	7,911
STA 776+84.33 TO STA 803+29.29	6,459	2,317			6,459	4,844	2,317	2,527	1,354	12,186
IL ROUTE 94/116 & DETOUR NO. 3										
STA 6+72.28 TO STA 26+70.22	7,892	18,517			7,892	5,919	18,517	(12,598)	2,311	20,799
STA 26+70.22 TO STA 45+60.08	3,853	9,213			3,853	2,890	9,213	(6,323)	2,064	18,576
RAMP A										
STA 19+50.00 TO STA 20+94.60	202	7,728			202	152	7,728	(7,577)	258	2,322
RAMP B										
STA 1+06.42 TO STA 2+00.00	199	6,597			199	149	6,597	(6,448)	294	2,646
TOTAL	34,177	49,317	0	0	34,177	25,633	49,317	(23,684)	8,258	74,322

A SHRINKAGE FACTOR OF 25% WAS USED TO DETERMINE THE EXCESS AND BORROW EXCAVATION QUANTITIES	
1. CUT QUANTITY FROM CROSS SECTIONS, TOPSOIL EXCAVATION FOR STORAGE	
2. FILL QUANTITY FROM CROSS SECTIONS	
3. CUT QUANTITY FROM CROSS SECTIONS, TO BE WASTED OFF-SITE	
4. CUT QUANTITY FROM CROSS SECTIONS, RESTRICTED USE MATERIAL	
5. EXCAVATION AVAILABLE FOR EMBANKMENT, COLUMN 1 + COLUMN 4 - COLUMN 3	
6. EXCAVATION ADJUSTED FOR SHRINKAGE, COLUMN 5 (X 0.75 SHRINKAGE FACTOR)	
7. FILL QUANTITY FROM CROSS SECTIONS, COLUMN 2	
8. COLUMN 6 - COLUMN 7	
9. QUANTITY FROM CROSS SECTIONS, TO PLACE 4" TOPSOIL	
10. COLUMN 8 (X 9)	

EARTH EXCAVATION SCHEDULE - SUMMARY										
LOCATION	1	2	3	4	5	6	7	8	9	10
	THEORETICAL		UNSUITABLE MATERIAL	RESTRICTED USE MATERIAL	ADJUSTED EARTHWORK			EXCESS (SHORTAGE)	TOPSOIL PLACEMENT	TOPSOIL FURNISH & PLACEMENT 4"
	CUT	FILL			CUT	CUT X 0.75	FILL			
STATION TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	SO YD
STAGE 1 CONSTRUCTION	767,832	689,451	26,220	0	741,612	556,209	689,451	(133,242)	55,254	497,286
STAGE 2 CONSTRUCTION	62,582	173,850	12,183	0	50,399	37,799	173,850	(136,051)	10,779	97,011
STAGE 3 CONSTRUCTION	34,177	49,317	0	0	34,177	25,633	49,317	(23,684)	8,258	74,322
TOTAL	864,591	912,618	38,403	0	826,188	619,641	912,618	(292,977)	74,291	668,619

(1)

(2)

(3)

- (1) EARTH EXCAVATION
(2) BORROW EXCAVATION
(3) TOPSOIL FURNISH AND PLACE 4"

FILE NAME = D468409-SHT-5-6-EARTH EXCAVATION.dgn	USER NAME = danw	DESIGNED - DBS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES US ROUTE 34	F.A.P. RTE. 313	SECTION 7-2 ; 6-1	COUNTY HENDERSON	TOTAL SHEETS 976	SHEET NO. 35		
PLOT SCALE = 100.0000' / 1" =	CHECKED - CSB	REVISED -	SCALE: N.A.			SHEET NO. 6 OF 51 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
PLOT DATE = 11/16/2012	DATE - 10/2012	REVISED -										
CONTRACT NO. 68409												