

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
74	*	TAZEWELL	1366/923
STA.		TO STA.	
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT	

* (90-111R-2)90(13,14,14-1)R-1

LOCATION	EARTHWORK SCHEDULE								
	1	2	3	4	5	6	7		8
	TOTAL EXCAVATION (CUT) (COL 2 + COL 3+ COL 4)	SPECIAL EXCAVATION	UNSUITABLE MATERIAL	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (COL 4 x 0.75)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR FURNISHED EXCAVATION (-) (COL 5 - COL 6) (+) WASTE (-) FURN EX		TOPSOIL FURNISH AND PLACE 100 MM
STAGE 3A									
I-74 STA 153+892 TO STA 154+250	4,277	0	417	3,861	2,895	5,671	-2,776		805
RAMP L-4 STA 10+250 TO STA 10+300	464	0	0	464	348	567	-218		158
SUBTOTAL	4,742	0	417	4,325	3,244	6,238	-2,994		963
STAGE 3B									
I-74 STA 154+250 TO STA 154+500	3,037	0	320	2,717	2,038	1,043	995		164
I-74 STA 154+500 TO STA 154+850	3,570	0	761	2,809	2,107	1,885	222		284
RAMP L-3 STA 10+250 TO STA 10+350	0	0	0	0	0	0	0		0
RAMP L-4 STA 10+000 TO STA 10+250	3,116	0	290	2,825	2,119	40	2,079		346
SUBTOTAL	9,722	0	1,371	8,351	6,263	2,967	3,296		794
TOTAL	14,463	0	1,787	12,676	9,507	9,205	3,296 -2,994		1,757

EARTH EXCAVATION SHRINKAGE FACTOR = 25%

DESCRIPTION	QUANTITIES	CROSS SECTION LEGEND	
		STAGE 3A	STAGE 3B
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	1,790 m ³	UNSUITABLE MATERIAL	U3A U3B
EARTH EXCAVATION	12,680 m ³	EARTH EXCAVATION	E3A E3B
FURNISHED EXCAVATION	2,995 m ³	EMBANKMENT	F3A F3B
TOPSOIL FURNISH AND PLACE, 100 mm	1,757 m ²	TOPSOIL FURNISH AND PLACE	T3A T3B

TRENCH BACKFILL (SPECIAL)

Pipe Number	Depth to Invert (M)		Average Depth (M)	Length of Pipe Run (M)	Pipe Dia (M)	Pipe Wall Thickne ss (M)	Pipe End Area Const. Manual	Trench Width Max (M)	Volume (Cu M)	
	Start	End							Excavat	Backfill
1	0.583	0.600	0.592	28.5	0.300	0.051	0.13	0.852		
2	1.183	1.906	1.545	7.0	0.750	0.089	0.694	1.928		
3	1.430	3.689	2.559	80.0	0.750	0.089	0.694	1.928	423.9	309.2
4	1.810	2.103	1.957	24.0	0.450	0.064	0.268	1.578		
5	1.968	1.690	1.829	21.5	0.450	0.064	0.268	1.578		
6	1.690	3.275	2.482	74.0	0.750	0.089	0.694	1.928	381.1	275.0
7	0.911	0.590	0.751	2.1	0.375	0.057	0.193	0.939	1.8	0.9
8	1.779	3.018	2.398	74.0	0.600	0.076	0.456	1.752	333.8	255.2
9	1.800	2.769	2.285	26.0	0.450	0.064	0.268	1.578		
10	1.901	1.500	1.701	2.1	0.375	0.057	0.193	0.939	5.8	4.5
11	1.769	2.868	2.318	74.0	0.600	0.076	0.456	1.752	323.4	244.8
12	1.691	1.691	1.691	24.5	0.450	0.064	0.268	1.578		
13	2.768	1.784	2.276	26.0	0.450	0.064	0.268	1.578		
14	0.900	0.480	0.690	2.1	0.375	0.057	0.193	0.939	1.7	0.8
15	1.768	2.269	2.018	65.0	0.600	0.076	0.456	1.752	249.9	180.9
16	0.871	0.451	0.661	2.1	0.375	0.057	0.193	0.939	1.6	0.7
17	1.739	1.968	1.853	65.0	0.600	0.076	0.456	1.752	231.1	162.1
18	0.900	0.590	0.745	2.1	0.375	0.057	0.193	0.939	1.8	0.9
19	1.768	1.529	1.648	65.0	0.600	0.076	0.456	1.752	207.8	138.7
20	1.469	0.600	1.035	9.5	0.600	0.076	0.456	1.202	13.8	6.2
25	2.715	4.133	3.424	45.4	1.650	0.165	3.162	2.38		
26	0.948	3.465	2.207	21.3	0.600	0.076	0.456	1.752		
27	3.595	3.250	3.423	14.7	1.050	0.114	1.318	2.278		
28	3.252	3.085	3.169	14.5	0.750	0.076	0.456	1.902		
29	0.690	0.538	0.614	29.0	0.600	0.076	0.456	1.202		
30	0.600	0.660	0.630	12.0	0.600	0.076	0.456	1.202		
31	0.600	0.660	1.000	11.4	0.600	0.076	0.456	1.202	16.1	7.0
32	0.600	1.000	0.800	8.5	0.600	0.076	0.456	1.202	10.0	3.2
33	0.700	1.000	0.900	10.8	0.600	0.076	0.456	1.202	14.0	5.3
Totals									2217.5	1595.4

USE 1596 CU M

SHEET 1 OF 7



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 74 (I-74)
 SCHEDULE OF QUANTITIES
 (FOR INFORMATION ONLY)

DATE 01/14/2005
 DRAWN BY
 CHECKED BY

01/14/2005 09:18:04 AM
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CONTRACT 11: PLAN SET 2 OF 4 FINAL PLANS 01/05