

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
816	*	DOUGLAS	176	10

STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT NO. 90711
 * 6RS-1 & (6BR)BR

EARTHWORK	LOCATION	STATION TO STATION	EARTH EXCAVATION (CU. YD.)		EMBANKMENT (CU. YD.)		EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25% S.F.) (CU. YD.)		EARTH EXCAVATION WASTE (+) OR BORROW (-) (CU. YD.)	
			LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	ATWOOD-ARTHUR ROAD	100+54 TO 105+00.00 (PRAIRIE ST.) 100+54 TO 105+90.53 (T.R. 500N)	0	0	9	22	0	0	-9	-22
	ATWOOD-ARTHUR ROAD	105+00.00 (PRAIRIE ST.) TO 158+36.56 (T.R. 2300N) 105+90.53 (T.R. 500N) TO 159+31.19 (T.R. 600N)	3,048	4,560	2,077	2,809	2,286	3,420	+209	+611
	ATWOOD-ARTHUR ROAD	158+36.56 (T.R. 2300N) TO 211+01.88 (T.R. 2400N) 159+31.19 (T.R. 600N) TO 211+96.05 (T.R. 700N)	1,518	2,163	3,023	3,504	1,139	1,623	-1,884	-1,881
	ATWOOD-ARTHUR ROAD	211+01.88 (T.R. 2400N) TO 263+93.33 (T.R. 2500N) 211+96.05 (T.R. 700N) TO 264+36.55 (T.R. 800N)	3,096	2,546	3,402	3,905	2,322	1,920	-1,080	-1,985
	ATWOOD-ARTHUR ROAD	263+93.33 (T.R. 2500N) TO 349+91.50 (US RTE. 36) 264+36.55 (T.R. 800N) TO 349+91.50 (US RTE. 36)	4,774	4,654	5,783	6,606	3,581	3,491	-2,202	-3,115
	TOTAL PER SIDE		12,436	13,923	14,294	16,846	9,328	10,454	-4,966	-6,392
	TOTAL BOTH SIDES		26,359		31,140		19,782		-11,358	
									-203	
									-11,561*	

ESTIMATED RAW EMBANKMENT VOLUME FOR WIDENING FIELD ENTRANCES
 7 CU YD EACH
 x 29 F.E.
 203 CU YD

POROUS GRANULAR EMBANKMENT, SPECIAL		
LOCATION	STATION	TON
CULVERT NO. 1	111+42.14	103
CULVERT NO. 4	200+60.56	77
CULVERT NO. 6	281+71.66	48
CULVERT NO. 9	335+97.81	177
TOTAL		405

TRENCH BACKFILL		
STATION	NEW CULVERT CU. YD.	EXIST. CULVERT CU. YD.
158+36.6 LT	13	
159+31.2 RT	23	31
211+01.9 LT	7	7
211+96.1 RT	10	10
263+93.3 LT	10	10
264+36.6 RT	7	
TOTAL	70	58 = 128

AGGREGATE BASE COURSE, TYPE B		
STATION		TON
111+41.24 LT & RT		13
144+61.00 LT & RT		61
179+95.00 LT & RT		12
200+60.56 LT & RT		14
251+93.89 LT & RT		13
281+71.66 LT & RT		10
311+57.75 LT & RT		19
335+97.81 LT & RT		19
349+21.34 LT		3
TOTAL		164 *

*NOTE: FOR AGGREGATE BASE COURSE QUANTITIES FOR SIDE ROADS AND ENTRANCES SEE SCHEDULE

POROUS GRANULAR BACKFILL		CU YD
STATION		
111+42.14, STAGE I		25
111+42.14, STAGE II		14
144+61.00, CLOSURE		489
179+95.00, STAGE I		22
179+95.00, STAGE II		13
200+60.56, STAGE I		26
200+60.56, STAGE II		15
251+93.89, STAGE I		24
251+93.89, STAGE II		15
281+71.66, STAGE I		21
281+71.66, STAGE II		13
322+57.75, STAGE I		34
322+57.75, STAGE II		20
335+97.81, STAGE I		33
335+97.81, STAGE II		20
349+21.34, STAGE I		8
349+21.34, STAGE II		14
TOTAL		806

SEEDING, CLASS 2, MULCH METHOD 2				
STATION TO STATION		ACRES	MULCH METHOD 2 (ACRES)	TEMPORARY EROSION CONTROL SEEDING POUND
LT. 100+54	LT. 105+00.00 (PRAIRIE ST.)	0.02	0.02	2
LT. 105+00.00 (PRAIRIE ST.)	LT. 141+75	1.94	1.94	194
LT. 141+75	LT. 147+50	0.50	0.50	50
LT. 147+50	LT. 158+36.56 (T.R. 2300N)	0.63	0.63	63
LT. 158+36.56 (T.R. 2300N)	LT. 211+01.88 (T.R. 2400N)	2.51	2.51	251
LT. 211+01.88 (T.R. 2400N)	LT. 263+93.33 (T.R. 2500N)	3.05	3.05	305
LT. 263+93.33 (T.R. 2500N)	LT. 349+91.50 (US RTE. 36)	4.93	4.93	493
RT. 100+54	RT. 105+90.53 (T.R. 500N)	0.06	0.06	6
RT. 105+90.53 (T.R. 500N)	RT. 141+75	2.38	2.38	238
RT. 141+75	RT. 147+50	0.50	0.00	50
RT. 147+50	RT. 159+31.19 (T.R. 600N)	0.67	0.67	67
RT. 159+31.19 (T.R. 600N)	RT. 211+96.05 (T.R. 700N)	3.09	3.09	309
RT. 211+96.05 (T.R. 700N)	RT. 264+36.55 (T.R. 800N)	3.00	3.00	300
RT. 264+36.55 (T.R. 800N)	RT. 349+91.50 US RTE. 36	4.73	4.73	473
TOTAL USE		28.01	27.01	2,801
		28.0	27.0	

*THIS VOLUME TO BE PAID AS FURNISHED EXCAVATION

FERTILIZER NUTRIENT				
STATION TO STATION		NITROGEN (POUND)	PHOPHORUS (POUND)	POTASSIUM (POUND)
LT. 100+54	LT. 105+00.00 (PRAIRIE ST.)	2	2	2
LT. 105+00.00 (PRAIRIE ST.)	LT. 158+36.56 (T.R. 2300N)	276	276	276
LT. 158+36.56 (T.R. 2300N)	LT. 211+01.88 (T.R. 2400N)	226	226	226
LT. 211+01.88 (T.R. 2400N)	LT. 263+93.33 (T.R. 2500N)	275	275	275
LT. 263+93.33 (T.R. 2500N)	LT. 349+91.50 (US RTE. 36)	444	444	444
RT. 100+54	RT. 105+90.53 (T.R. 500N)	6	6	6
RT. 105+90.53 (T.R. 500N)	RT. 159+31.19 (T.R. 600N)	320	320	320
RT. 159+31.19 (T.R. 600N)	RT. 211+96.05 (T.R. 700N)	278	278	278
RT. 211+96.05 (T.R. 700N)	RT. 264+36.55 (T.R. 800N)	270	270	270
RT. 264+36.55 (T.R. 800N)	RT. 349+91.50 US RTE. 36	426	426	426
TOTAL		2,523	2,523	2,523

TREE REMOVAL (6 TO 15 UNITS DIAMETER)	
STATION	UNIT
139+00 LT	12
168+57 LT	12
168+85 LT 2 @ 10"	20
TOTAL	44

TREE REMOVAL (OVER 15 UNITS DIAMETER)	
STATION	UNIT
234+70 LT	36
235+00 LT	36
235+50 LT	36
235+92 LT	36
237+25 LT	36
TOTAL	180

REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL		
LOCATION	STATION	CU. YD.
CULVERT NO. 1	111+42.14	50
CULVERT NO. 4	200+60.56	37
CULVERT NO. 6	281+71.66	23
CULVERT NO. 9	335+97.81	86
TOTAL		196

TREE SCHEDULE										
PARCEL NO.	LANDOWNER	RED MAPLE	OCTOBER GLORY RED MAPLE	SUGAR MAPLE	PIN OAK	RED OAK	EUROPEAN BEECH	CLEVELAND SELECT PEAR	JAPANESE CRABAPPLE	COLORADO SPRUCE
5612010	Tim Mast	1		1		2	1	1		
5612019 & 29	Mark Jones				2				2	
5612021	Bill Crane		4							
5612022	Jerry Ray									4
5612024	Ken Beachy									4
5612030	A. C. S. D. #305 (Mr. Wilson)					2				8
5612051	Paul Mast		2							
TOTAL		1	6	1	2	4	1	1	2	16

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 FAP ROUTE 816
 ATWOOD-ARTHUR RD
 SECTION 6RS-1 & (6BR)BR
 DOUGLAS COUNTY
 SCALE: VERT. DRAWN BY: JJO
 HORIZ. CHECKED BY: PJM
 DATE: 11/24/03