TREE REMOVAL

LOCATION	TREE REMOVAL	
	6 TO 15 UNITS	OVER 15 UNITS
	UNITS	
FAP ROUTE (IL 89)		
STA 282+21.5, 39.6' LT	12	
STA 282+26.2, 38.8' LT	7	
STA 282+37.6, 35.1' LT		24
STA 282+51.2, 44.4' LT	7	
STA 282+73.2, 35.7' LT	12	
STA 286+21.6, 35.7' RT	14	
STA 286+26.6, 36.2' RT	7	
STA 286+28.1, 36.3' RT		19
STA 286+34.1, 33.4' RT	7	
STA 286+57.9, 34.3' RT	12	
STA 289+30.2, 30.6' RT		25
STA 289+45.4, 28.6' RT		16
STA 305+65.4, 37.3' RT		46
TOTAL	78	130

FURNISHING AND ERECTING RIGHT OF WAY MARKERS

STATION	OFFSET	SIDE	EACH
	FOOT		
FAP ROUTE 698 (IL 89)			
274+75.00	44.88	RT	1
276+25.00	100.00	RT	1
277+50.00	105.00	RT	1
281+00.00	95.00	RT	1
282+00.00	41.74	LT	1
282+71.46	55.00	LT	1
284+00.00	70.00	RT	1
285+50.00	45.00	RT	1
288+00.00	42.87	LT	1
289+00.00	45.00	RT	1
291+13.24	62.66	LT	1
292+41.92	68.97	RT	1
301+03.55	69.40	LT	1
302+77.22	45.00	RT	1
303+00.00	70.00	LT	1
304+00.00	60.00	LT	1
306+22.54	61.76	LT	1
307+00.00	45.00	RT	1
308+00.00	50.00	RT	1
309+00.00	41.19	RT	1
TOTAL			20

EARTHWORK

LOCATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE *	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL FURNISH AND PLACE, 4"
	CU YD				SY
BEGINNING OF PROJECT TO STA 294+00					
STA 275+00 TO STA 294+00	10801.4	8641.1	990.1	7651.0	9429.3
STA 294+00 TO PROPOSED BACK OF ABUTMENT					
STA 294+00 TO STA 294+28.83	122.8	98.2	0.0	98.2	51.6
PROPOSED BACK OF ABUTMENT TO EXISTING BACK OF ABUTMENT					
STA 294+28.83 STA 294+68.18	1842.5	1474.0	0.0	1474.0	158.4
EXISTING BACK OF ABUTMENT TO EXISTING TOE OF SLOPEWALL					
STA 294+68.18 TO 295+32.00	2866.6	2293.3	0.0	2293.3	212.5
BRIDGE OMISSION					
EXISTING TOE OF SLOPEWALL TO EXISTING BACK OF ABUTMENT					
STA 300+65.00 STA 301+09.01	476.3	381.0	0.0	381.0	0.0
EXISTING BACK OF ABUTMENT TO PROPOSED BACK OF ABUTMENT					
STA 301+09.01 TO STA 301+25.82	199.3	159.4	0.0	159.4	7.4
PROPOSED BACK OF ABUTMENT TO STATION 301+50					
STA 301+25.82 TO STA 301+50.00	44.9	35.9	0.0	35.9	21.0
STATION 301+50 TO END OF PROJECT					
STA 301+50.00 TO STA 308+50.00	1339.8	1071.8	105.6	966.2	2062.0
TOTAL	17,693.6	14,154.9	1,095.7	13,059.2	11,942.2
USE	17,695	14,155	1,096	13,060	11,943

* SHRINKAGE FACTOR = 20%

TREE REMOVAL, ACRES

LOCATION	SIDE	AREA
		ACRES
FAP ROUTE 698 (IL 89)		
STA 275+00 TO STA 279+58	RT	0.37
STA 279+76 TO STA 285+40	RT	0.29
STA 282+79 TO STA 295+06	LT	0.53
STA 289+50 TO STA 290+53	RT	0.02
STA 290+97 TO STA 296+31	RT	0.35
STA 301+25 TO STA 302+50	RT	0.03
STA 301+25 TO STA 306+73	LT	0.28
TOTAL		1.88
USE		2.00

PIPE UNDERDRAIN SCHEDULE

STATION TO STATION		SIDE	CONCRETE HEADWALL FOR PIPE DRAINS	PIPE UNDERDRAINS 4"	PIPE UNDERDRAINS 4" (SPECIAL)
			EACH	FOOT	
FAP ROUTE 698 (IL 89)					
290+80.00	294+29.66	LT	1	350	50
290+80.00	294+29.66	RT	1	350	30
301+24.99	302+85.00	LT	1	160	40
301+24.99	302+85.00	RT	1	160	20
TOTAL			4	1,020	140
USE			4	1,020	140

REMOVE TEMPORARY CONCRETE BARRIER

STATION TO STATION	REMOVE TEMPORARY CONCRETE BARRIER
	FEET
FAP ROUTE 698 (IL 89)	
294+38 TO 301+38	1,400
TOTAL	1,400
USE	1,400

PERIMETER EROSION BARRIER

LOCATION	SIDE	PERIMETER EROSION BARRIER
		FOOT
FAP ROUTE 698 (IL 89)		
STA 284+48 TO STA 295+07	LT	1,186
STA 284+50 TO STA 285+50	RT	120
STA 291+00 TO STA 296+31	RT	723
STA 301+50 TO STA 303+50	LT	251
STA 301+50 TO STA 303+50	RT	205
TOTAL		2,485

INLET AND PIPE PROTECTION

LOCATION	SIDE	INLET AND PIPE PROTECTION
		EACH
FAP ROUTE 698 (IL 89)		
STA 279+75	RT	1
STA 279+97	LT	1
STA 281+62	LT	1
STA 284+35	RT	1
STA 288+12	RT	1
STA 306+80	LT	1
TOTAL		6

GUARDRAIL REMOVAL

LOCATION	SIDE	GUARDRAIL REMOVAL
		FOOT
FAP ROUTE 698 (IL 89)		
STA 283+49 TO STA 284+54	LT	105
STA 283+46 TO STA 287+96	RT	450
STA 284+69 TO STA 294+51	LT	982
STA 288+35 TO STA 294+57	RT	622
STA 301+20 TO STA 303+96	LT	276
STA 301+24 TO STA 303+97	RT	273
TOTAL		2,708

FENCE REMOVAL

STATION TO STATION		SIDE	FENCE REMOVAL
			FOOT
FAP ROUTE 698 (IL 89)			
275+01.29	278+97.10	RT	412.6
279+96.00	281+42.20	RT	149.3
281+87.36	287+69.59	RT	615.1
TOTAL			1,177.0
USE			1,177

PIPE CULVERT REMOVAL

STATION	SIDE	SIZE & TYPE	PIPE CULVERT REMOVAL
			FOOT
FAP ROUTE 698 (IL 89)			
279+75	RT	12" CMP	27
279+97	LT	12" CMP	31
281+62	LT	12" CMP	35
288+17	RT	12" CMP	32
TOTAL			125

TEMPORARY EROSION CONTROL SEEDING

LOCATION	SIDE	TEMPORARY EROSION CONTROL SEEDING (2 APPLICATIONS)
		POUND
FAP ROUTE 698 (IL 89)		
STA 275+00 TO STA 279+65	RT	136
STA 275+00 TO STA 279+85	LT	48
STA 279+75 TO STA 288+08	RT	126
STA 280+05 TO STA 281+51	LT	14
STA 281+73 TO STA 294+00	LT	118
STA 288+27 TO STA 294+00	RT	104
STA 295+67 TO STA 299+67	LT & RT	112
STA 299+86 TO STA 301+25	LT & RT	24
STA 301+50 TO STA 306+70	LT	78
STA 301+50 TO STA 308+50	RT	50
STA 306+90 TO STA 308+50	LT	12
TOTAL		822
USE		822

PERMANENT SEEDING SCHEDULE

LOCATION	SIDE	SEEDING, CLASS 2A	SEEDING, CLASS 3	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	HEAVY DUTY EROSION CONTROL BLANKET
		ACRE		POUND			ACRE	SQ YD
FAP ROUTE 698 (IL 89)								
STA 275+00 TO STA 279+65	RT	0.11	0.57	61.2	61.2	61.2		3,255.6
STA 275+00 TO STA 279+85	LT	0.11	0.13	21.6	21.6	21.6	0.24	
STA 279+75 TO STA 288+08	RT	0.19	0.44	56.7	56.7	56.7	0.21	2,020.0
STA 280+05 TO STA 281+51	LT	0.03	0.04	6.3	6.3	6.3	0.07	
STA 281+73 TO STA 294+30	LT	0.28	0.31	53.1	53.1	53.1	0.47	572.7
STA 288+27 TO STA 296+31	RT	0.19	0.33	46.8	46.8	46.8	0.25	1,291.3
STA 295+67 TO STA 299+62	LT & RT		0.56	50.4	50.4	50.4	0.56	
STA 299+85 TO STA 301+25	LT & RT		0.12	10.8	10.8	10.8	0.12	
STA 301+25 TO STA 306+70	LT	0.13	0.26	35.1	35.1	35.1	0.31	393.7
STA 301+25 TO STA 308+50	RT	0.17	0.08	22.5	22.5	22.5	0.03	1,051.4
STA 306+90 TO STA 308+50	LT	0.04	0.02	5.4	5.4	5.4	0.06	
TOTAL		1.25	2.86	369.9	369.9	369.9	2.33	8,584.7
USE		1.25	3	370	370	370	2.50	8,585

PIPE CULVERT SCHEDULE

STATION	SIDE	TYPE	STANDARD	PIPE CULVERTS, CLASS D, TYPE 1 18"	METAL END SECTIONS 18"
				FOOT	EACH
FAP ROUTE 698 (IL 89)					
279+75.00	RT	PIPE CULVERT & END SECTION	542401	50	2
279+97.05	LT	PIPE CULVERT & END SECTION	542401	48	2
281+62.00	LT	PIPE CULVERT & END SECTION	542401	48	2
288+12.68	RT	PIPE CULVERT & END SECTION	542401	46	2
306+80.00	LT	PIPE CULVERT & END SECTION	542401	38	2
TOTAL				230	10

CHANGEABLE MESSAGE SIGN

LOCATION	CHANGEABLE MESSAGE SIGN
	CAL MO
FAP ROUTE 698 (IL 89)	
LOCATION 1	1
LOCATION 2	1
TOTAL	2
USE	2