

SUMMARY OF QUANTITIES

ROUTE	COUNTY	SECTION	SHEET/OF
FAS 1834	RANDOLPH	06-00075-00-RS	2/101
CONTRACT NO. 97445			

CODE NO.	ITEM	UNITS	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	98
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	142
20100500	TREE REMOVAL, ACRES	ACRE	0.3
20200100	EARTH EXCAVATION	CU YD	25,912
20400800	FURNISHED EXCAVATION	CU YD	10,614
20800150	TRENCH BACKFILL	CU YD	131
25000200	SEEDING, CLASS 2	ACRE	12.50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,125
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,125
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,125
25000700	AGRICULTURAL GROUND LIMESTONE	TON	25
25100115	MULCH, METHOD 2	ACRE	12.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,700
28000305	TEMPORARY DITCH CHECKS	FOOT	3,460
28000500	INLET AND PIPE PROTECTION	EACH	6
35100100	AGGREGATE BASE COURSE, TYPE A	TON	6,000
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5,279
40600300	AGGREGATE (PRIME COAT)	TON	21
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	244
40603085	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70	TON	8,840
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	3,345
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	194
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	314
48100100	AGGREGATE SHOULDERS, TYPE A	TON	7,115
50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1
50105220	PIPE CULVERT REMOVAL	FOOT	750
54010806	PRECAST CONCRETE BOX CULVERT 8' X 6'	FOOT	66
542A0247	PIPE CULVERTS, CLASS A, TYPE 1 42"	FOOT	66
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	14
542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	218
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	74
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	198
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	524
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	114
542D0235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	30
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6,487
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	44,872
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	17,120
72000100	SIGN PANEL-TYPE 1	SQ FT	100
73000100	WOOD SIGN SUPPORT	FOOT	182
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	27
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	44,872
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	20
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	90
* X8950310	RELOCATE EXISTING SIGNAL HEAD AND POST	EACH	1

* DENOTES SPECIALTY ITEM

GENERAL NOTES:

1. ANY REQUIRED BASE COURSE WIDENING FROM STA. 237+52.10 TO STA. 305+00 AND FROM STA. 339+50 TO STA. 399+68.81 SHALL BE CONSTRUCTED BY RANDOLPH COUNTY PRIOR TO THE START OF THIS PROJECT.

QUANTITIES USED FOR ESTIMATING

MULCH METHOD 2 (PROCEDURE 1 OR 2)	2 TON/ACRE
NITROGEN FERTILIZER NUTRIENTS	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENTS	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENTS	90 LBS/ACRE
BITUMINOUS MATERIALS (PRIME COAT)	0.3 GAL/SQ YD (ON AGGREGATE BASE COURSE) 0.075 GAL/SQ YD (ON EXISTING SURFACE)
AGGREGATE (PRIME COAT)	5 LB/SQ YD (ON AGGREGATE BASE COURSE) 3 LB/SQ YD (ON EXISTING SURFACE)
AGRICULTURAL GROUND LIMESTONE	2 TON/ACRE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE & INCIDENTAL	BINDER
PG	PG 64-22	PG 64-22
RAP %(MAX)	SEE SPECIAL PROVISIONS	
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0 % @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICITION AGG	MIXTURE C	
MIXTURE WEIGHT	112 LB/SY/IN	112 LB/SY/IN