STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDF-017-3(39)	30	194

REQUIRED QUANTITIES PER SHEET

QUANTITIES SHEET NO. 29

U.S. 27 NORTH
STA. 117+00 TO STA. 131+00

EARTHWORK QUANTITIES						
STATION	CU. YD. ② UNCLASS EXCAVATION	CU. YD. ③ UNCLASS EXCAVATION SHRINKAGE	CU. YD. EMBANKMENT	CU. YD. ③ BORROW	CU. YD. ④ BORROW	COMMENTS
MAINLINE	2192	1863	5882			
117+41RT			36			DRIVE
TOTAL	2192	1863	5918			

② NEAT VOLUME
③ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE EXCAVATION QUANTITIES WITHIN THE CONSTRUCTION AREA.
④ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE NEAT BORROW TO OBTAIN THE ADJUSTED BORROW PIT QUANTITY

CLEARING AND GRUBBING		
ITEM	UNIT	AMOUNT
Lump Sum	Acre	3.64

THE TOTAL ACREAGE IN THE RIGHT OF WAY, CONSTRUCTION EASEMENTS SHOWN FOR CLEARING AND GRUBBING (LUMP SUM) IS FOR ESTIMATING PURPOSES ONLY.
IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE TOTAL ACREAGE SHOWN IN CASE HE ELECTS TO USE THE PLAN QUANTITY IN ESTABLISHING HIS BID PRICE. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IN CASE THE ACREAGE SHOWN IS LESS THAN THE ACTUAL ACREAGE, NOR WILL THE DEPARTMENT OF TRANSPORTATION CLAIM ANY REDUCTION IN PAYMENT IN CASE THE ACREAGE SHOWN EXCEEDS THE ACTUAL ACREAGE.

GRASSING			FERTILIZER MIXED GRADE	FERTILIZER NITROGEN CONTENT	AGRICULTURAL LIME
	UNIT	QUANTITY	TON	LB.	TON
Lump	Acre	1.53	1.34	77	4.59
TOTAL		1.53	1.34	77	4.59

(FOR ESTIMATING PURPOSES ONLY)

STORM DRAIN PIPE / SLOPE DRAIN PIPE / REINFORCED CONCRETE BOX CULVERTS

STATION	SKEW	STORM DRAIN PIPE-LIN. FT. 15'	18'	24'	30'	42'	CONCRETE FLARED END SECTION GA. STD. 1120 EACH	HEIGHT OF FILL OR DESIGN GA. STD. 1030-D FT.	SIDE DRAIN PIPE LIN. FT. 15'	18'	24'	30'	CONCRETE FLARED END SECTION GA. STD. 1120 EACH	REINFORCED CONCRETE BOX CULVERTS INCLUDING APRONS: LENGTH LIN. FT.	SIZE FT. x FT.	STANDARD	DESIGN	BAR REINFORCING STEEL LB.	CLASS 'A' CONCRETE CU.YD	FOUNDATION BACKFILL MATERIAL-TYPE II CU.YD.	CATCH BASIN GA. STD. 1033 D EA.	DOUBLE WING CATCH BASIN GA. STD. 1034 D EA.	CONC. COLLAR CONNECTION PIPE TO CBC LIN. FT.	GROUP 2: MEDIAN DROP INLET H=6' OR LESS EA.	ADDITIONAL DEPTH LIN. FT.	DROP INLET CONNECTION TO CONCRETE BOX CULVERT-GA. STD. 9031-L EA.
120+29	60°R					19	1-42"	1-10														1	1-42"			
123+40	73°R			88			1-24"	1-10													1					
123+68	46°L			92				1-10														1				
126+66	67°R	86						1-10													2					
128+10 (LT)	80°							1-10						17	6x6	2328 2321		1904	29.8							
128+10 (RT)	80°							1-10						19	6x6	2301 2328		2059	31.3							
118+20 (RT)								1-10	230				1-15"													
126+80 (RT)								10-20		115																
TOTALS		86		180		19	1-24" 1-42"		230	115			1-15"	36				3963	61.1		3	2	1-42"			

REMOVE PARAPETS AND WING WALLS			
STATION	SIDE	SIZE OF BOX CULVERT	EACH
120+29	LT	3'x3'	1
128+10	LT+RT	6x6'	2
TOTAL			3

REMOVE CONCRETE HEADWALLS ALL SIZES			
STATION	SIDE	SIZE	EACH

HEADER CURB	
6" - TYPE 2	610 L.F.

CURB + GUTTER	
6"x30" - TP 2	L.F.
	2760

FENCE			
STATION	SIDE	TYPE	L.F.
128+00	RT	CHAIN LINK	260

PAVEMENT						
STATION	1-1/2" TON	2" TON	4" TON	8" S.Y.	TACK COAT, GAL.	6" AGGR SURFACE COURSE TON
MAINLINE	866.17	779.82	1159.64	7692.79	1178	
STA. 117+40 DRIVE RT.						13.5
STA. 118+32 DRIVE RT.						1.8
STA. 121+05 DRIVE RT.	3.0	4.2			1.3	
STA. 121+87 DRIVE RT.	3.4	4.5			1.4	
STA. 123+42 DRIVE LT.	8.3	11.3	22.9	57.9	3.4	
STA. 126+63 DRIVE RT.	7.0	9.3			2.8	
STA. 127+72 DRIVE LT.	2.1	2.9			0.9	
JESSIE DRIVE RT.	5.5	7.9	15.2	385	2.3	
DECELERATION LANE	27.6	36.8	73.6	320	11.2	
TOTAL	923	856.7	1271.3	8109.2	12013	15.3

EROSION CONTROL					
STATION	SILT EACH TY	TY	TY	SILT FENCE (TYPE A) LF	MULCH S.Y
117+00				30	
117+00				245	
117+50				65	
118+40				255	
121+20				56	
122+00				200	
120+50				90	
121+75				140	
123+57				80	
124+50				60	
125+35				180	
126+80				100	
127+20				385	
127+95				270	
TOTALS				2156	1834

CONCRETE RIGHT OF WAY MARKERS		
STATION	SIDE	EACH
123+00	RT.	1
124+00	LT.	1
125+50.63	RT.	1
8+50	LT	1
9+00	RT	1
126+00	LT	1
127+23.31	RT	1
127+95	RT	1
128+09	RT	1
128+20	LT	2
129+20	LT	2
127+41.58	RT.	1
130+53.8	LT.	1
TOTAL		15

SLOPE DRAINS	
STATION	L.F. - (10")
118+90	10' RT
119+08	15' LT
121+12	7' LT
121+40	7' RT
123+00	6' LT
123+20	12' RT
128+20	39' RT
129+05	34' LT
129+93	15' RT
TOTAL	147

QUANTITIES SHEET NO. 31

Rev. 12-16-86
U.S. 27 NORTH
STA. 131+00 TO STA. 145+00
→ Rev. June 4, 1987

EARTHWORK QUANTITIES						
STATION	CU. YD. ② UNCLASS EXCAVATION	CU. YD. ③ UNCLASS EXCAVATION SHRINKAGE	CU. YD. EMBANKMENT	CU. YD. ② BORROW	CU. YD. ④ BORROW	COMMENTS
MAINLINE	5726	4867	2878			
TOTAL	5726	4867	2878			

② NEAT VOLUME
③ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE EXCAVATION QUANTITIES WITHIN THE CONSTRUCTION AREA.
④ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE NEAT BORROW TO OBTAIN THE ADJUSTED BORROW PIT QUANTITY

CLEARING AND GRUBBING		
ITEM	UNIT	AMOUNT
Lump Sum	ACRE	4.36

THE TOTAL ACREAGE IN THE RIGHT OF WAY, CONSTRUCTION EASEMENTS SHOWN FOR CLEARING AND GRUBBING (LUMP SUM) IS FOR ESTIMATING PURPOSES ONLY.
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GRASSING			FERTILIZER MIXED GRADE	FERTILIZER NITROGEN CONTENT	AGRICULTURAL LIME
	UNIT	QUANTITY	TON	LB.	TON
LUMP SUM	ACRE	2.24	2.02	112	6.72
TOTAL		2.24	2.02	112	6.72

(FOR ESTIMATING PURPOSES ONLY)

STORM DRAIN PIPE / SLOPE DRAIN PIPE / REINFORCED CONCRETE BOX CULVERTS

STATION	SKEW	STORM DRAIN PIPE-LIN. FT. 15'	18'	24'	30'	42'	48'	HEIGHT OF FILL OR DESIGN GA. STD. 1030-D FT.	SIDE DRAIN PIPE LIN. FT. 15'	18'	24'	30'	CONCRETE FLARED END SECTION GA. STD. 1120 EACH	REINFORCED CONCRETE BOX CULVERTS INCLUDING APRONS: LENGTH LIN. FT.	SIZE FT. x FT.	STANDARD	DESIGN	BAR REINFORCING STEEL LB.	CLASS 'A' CONCRETE CU.YD.	FOUNDATION BACKFILL MATERIAL-TYPE II CU.YD.	GA. STD. 9031-S OR 9031-S PRECAST GROUP 1: MOD. MEDIAN DROP INLET H=6' OR LESS EA.	MEDIAN DROP INLET H=6' OR LESS EA.	ADDITIONAL DEPTH LIN. FT.	GROUP 2: MEDIAN DROP INLET H=6' OR LESS EA.	ADDITIONAL DEPTH LIN. FT.
140+00 RT									20				2												
141+85 RT									26				2												
144+96 RT									20				2												
TOTALS									66				6-15"												

REMOVE PARAPETS AND WING WALLS			
STATION	SIDE	SIZE OF BOX CULVERT	EACH
TOTAL			

REMOVE CONCRETE HEADWALLS ALL SIZES			
STATION	SIDE	SIZE	EACH

CURB & GUTTER	
6" X 30" - TYPE 2	L.F.
	600

PAVEMENT						
STATION	1-1/2" TON	2" TON	4" TON	8" S.Y.	TACK COAT, GAL.	6" AGGR. SURFACE COURSE TON
MAINLINE	560	826	1669.5	6583.37	490	
131+40 DRIVE RT.	4.0	5.4			1.6	
132+32.48 PICKARD DR.	6.7	8.9	17.8	43.5	2.7	
133+12 DRIVE RT.	4.0	5.4			1.6	
133+61 DRIVE LT.						19.1
135+93 DRIVE LT.						13.1
137+78 DRIVE RT.	5.2	6.9			2.1	
138+00 DRIVE LT.						13.1
140+00 DRIVE RT.						18.6
141+85 DRIVE RT.	5.7	7.6			2.3	
144+96 DRIVE RT.						15.3
144+75 DRIVE LT.	2.9	3.9			7.2	
TOTAL	588.5	864.1	1713.1	7032.74	501.5	79.2

EROSION CONTROL				
STATION	SILT GATES EACH			SILT FENCE (TYPE A) LF
132+10				35 RT
132+67				28 RT
133+26				145 RT
133+55				235 LT
136+00				650 LT
TOTALS				1093

CONCRETE RIGHT OF WAY MARKERS		
STATION	SIDE	EA.
131+04.92	RT	1
132+35.75	RT	1
132+72.27	RT	1
TOTAL		3

REMOVE CHAIN LINK FENCE, 6 FT., W/B.W. AND ARM REMOVE CHAIN LINK FENCE GATE, DBL. 10X6 - ROLLER			
STATION TO STATION	SIDE	FENCE L.F.	GATE EACH
STA 140+30 - STA. 143+20	RT.	290	2

*RESET CHAIN LINK FENCE, 6FT., W/B.W. AND ARM *RESET CHAIN LINK FENCE GATE, DBL 10X6 - ROLLER			
STATION TO STATION	SIDE	FENCE L.F.	GATE EACH
STA. 140+30 - STA. 143+20	RT.	290	2

* The pay for resetting fence and gate shall include post replacement and encasing posts in concrete.