REQUIRED QUANTITIES PER SHEET

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDF-017-3(39)	24	194

QUANTITIES SHEET NO. 23

STA. 128+00 TO STA. 143+00

EARTH-WORK 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	16,109	13,693	5793			
139+85 LT			520			DRIVE
TOTAL	16,109	13,693	6313			

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	ACRES	6.93

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

	UNIT	QUANTITY	FERTILIZER MIXED GRADE TON	FERTILIZER NITROGEN CONTENT LB	AGRICULTURAL LIME TON
LUMP SUM	ACRES	4.66	4.20	233	13.98
TOTAL		4.66	4.20	233	13.98

(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.	SAND-CEMENT BAG RIP-RAP 9" THICK SQ.YD.	SIDE DRAIN PIPE LIN. FT. 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 MEDIAN DROP INLET 1'HIGH OR LESS EA.	GROUP 1 MEDIAN DROP INLET 1'HIGH OR LESS EA.	GROUP 1 ADDITIONAL DEPTH LIN. FT.	GROUP 2 MEDIAN DROP INLET 1'HIGH OR LESS EA.	GROUP 2 ADDITIONAL DEPTH LIN. FT.	DROP INLET CONNECTION TO BOX CULVERT-GA. STD. 9031-L EA.
138+45	60° RT			125				1-10					2													
TOTALS				125									2													

REMOVE PARAPETS AND WING WALLS

STATION	SIDE	SIZE OF BOX CULVERT	EACH
TOTAL			

PAVEMENT

STATION	1-1/2" TON	2" TON	4" TON	8" S.Y.	TACK COAT, GAL.	COMMENTS
MAINLINE	891.25	1196.38	2411.93	10650	735	
PAVED SHOULDER		75	150		30	
139+85 DRIVE LT	26	35	70	320	21	
TOTAL	917.25	1306.38	2631.93	10,970	786	

CONCRETE RIGHT OF WAY MARKERS

STATION	SIDE	EACH
138+35	RT.	2
139+30	RT.	2
TOTAL		4

DITCH PROTECTION

STATION TO STATION	SIDE	BITUMINUS TREATED GLASS FIBER MULCH S.Y	PERMANENT SOIL REINFORCING MAT S.Y
138+00 - 138+60	RT	1296	
138+00 - 141+50	LT	1050	
TOTAL		2346	

EROSION CONTROL

STATION	SILT GATES EACH TY 1	TY 3	TY 4	SILT FENCE LF
138+45		1		
138+50 RT.				20
140+00 RT.				20
TOTALS		1		40

SLOPE DRAIN PIPE

STATION	LIN. FT. (10")	STATION	LIN. FT. (10")
TOTAL			

MULCH

	UNIT	AMT.
NONE		

FENCE

TYPE	LIN. FT.
WOVEN WIRE FENCE	3040

QUANTITIES SHEET NO. 25

STA. 143+00 TO STA. 158+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	14,995	12746	17871			
156+00 RT			124			DRIVE
156+00 LT			60			DRIVE
145+00 RT			1360			DRIVE
SPECIAL DITCH	350	298				
TOTAL	15,345	13,044	19415			

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	ACRES	7.95

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

	UNIT	QUANTITY	FERTILIZER MIXED GRADE TON	FERTILIZER NITROGEN CONTENT LB.	AGRICULTURAL LIME TON
LUMP SUM	ACRES	5.68	5.1	284	17.0
TOTAL		5.68	5.1	284	17.0

(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	HEADWALLS GA. STD. 1125 CLASS "A" CONC. INCL. STEEL INLET CU.YD.	OUTLET CU.YD.	FOUNDATION BACKFILL MATERIAL-TYPE II CU.YD.	GA. STD. 9031-S OR 9031-S PRECAST GROUP 1 MEDIAN DROP INLET 1'HIGH OR LESS EA.	GROUP 1 MEDIAN DROP INLET 1'HIGH OR LESS EA.	GROUP 1 ADDITIONAL DEPTH LIN. FT.	GROUP 2 MEDIAN DROP INLET 1'HIGH OR LESS EA.	GROUP 2 ADDITIONAL DEPTH LIN. FT.
143+95	60° RT.						192	15-20										4.62	4.80	48.6					
145+40 RT			50					1-10					2-18"												
156+00 LT										24			2-18"												
156+00 RT.										14			2-18"												
156+12		200																							
TOTALS	-	200	50				192			38			6-18"							48.6					

DITCH PROTECTION

STATION TO STATION	SIDE	BITUMINUS TREATED GLASS FIBER MULCH S.Y	PERMANENT SOIL REINFORCING MAT S.Y
145+50 - 157+50	RT	1267	
147+00 - 158+00	LT		1365
TOTAL		1267	1365

CONC. DITCH PAVING

STATION	SQ. YD.	SIZE	EACH
143+60 TO 146+60			

MULCH

STA. TO STA.	UNIT	AMT.
143+00 TO 147+50 LT.	S.Y.	1182

FENCE

TYPE	LIN. FT.
WOVEN WIRE FENCE	2976

PAVEMENT

STATION	1-1/2" TON	2" TON	4" TON	8" S.Y.	TACK COAT, GAL.	6" ASPH. SIDE CONC. TON.
MAINLINE	891.25	1196.38	2411.93	10650	735	
PAVED SHOULDER		75	150		30	
STA. 156+00 DRIVE RT						13.5
STA. 156+00 DRIVE LT						16.7
TOTAL	891.25	1271.38	2561.93	10650	765	30.2

EROSION CONTROL

STATION	SILT GATES EACH TY 2	TY 3	TY 4	SILT FENCE TYPE A LF	BALED STRAW
143+00 TO 143+40 LT.					40
143+50 LT				20	
143+00 TO 145+50 RT.				245	
157+50 TO 158+00					50
143+95	1				
145+50 RT.				20	
150+00 RT.				20	
TOTALS	1			305	90

CONCRETE RIGHT OF WAY MARKERS

STATION	SIDE	EACH
NONE		
TOTAL		

SLOPE DRAIN PIPE

STATION	LIN. FT (10")	STATION	LIN FT (10")
144+00	40		
144+10	45		
146+20	52		
TOTAL	137		