REQUIRED QUANTITIES PER SHEET

GA. EDF-017-3(39) 36 194

QUANTITIES SHEET NO. 35

WARTHEN ROAD
STA. 46+00 LT. STA. 54+50 RT.

EARTHWORK QUANTITIES							
STATION	CU. YD. ②UNCLASS EXCAVATION	CU. YD. ③UNCLASS EXCAVATION SHRINKAGE	CU. YD. EMBANKMENT	CU. YD. ③BORROW	CU. YD. ④BORROW		COMMENTS
MAINLINE	5003	4253	266				
TOTAL	5003	4253	266				

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	1.36

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 Sum	Acre	0.84	0.76	42	2.52
TOTAL		0.84	0.76	42	2.52

(FOR ESTIMATING PURPOSES ONLY)

QUANTITIES SHEET NO. 37

Mc CARTER RD. RELOCATION
STA. 0+00 TO STA. 13+00
Rev 12-16-86
Rev 4-8-87

EARTHWORK QUANTITIES							
STATION	CU. YD. ②UNCLASS EXCAVATION	CU. YD. ③UNCLASS EXCAVATION SHRINKAGE	CU. YD. EMBANKMENT	CU. YD. ③BORROW	CU. YD. ④BORROW		COMMENTS
MAINLINE	109	93	5004				
TOTAL	109	93	5004				

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	Ac.	0.91

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 Sum	Ac.	0.60	0.54	30	1.8
TOTAL		0.60	0.54	30	1.8

(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"	CONC F.E.S EACH	HEIGHT OF FILL OR DESIGN GA. STD. 1030-D FT.	SAND-CEMENT BASE GA. STD. 9" THICK SQ. YD.	SIDE DRAIN PIPE LIN. FT. 18"	24"	30"	FLARED CONCRETE 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'-6" OR LESS EA.	GROUP 1 MEDIAN DROP INLET 1'-6" OR LESS EA.	GROUP 1 ADDITIONAL DEPTH LIN. FT.	GROUP 2 MEDIAN DROP INLET 1'-6" OR LESS EA.	GROUP 2 ADDITIONAL DEPTH LIN. FT.	DROP INLET CONNECTION TO CONCRETE BOX CULVERT-GA. STD. 9031-L EA.
48+00			48				2-18"	1-10	0.67																	
										12			2-18"													
										12			2-18"													
TOTALS			48				2-18"		0.67	24			4-18"													

STATION	SKEW	STORM DRAIN PIPE-LIN. FT. 15"	18"	24"	30"	42"	4	HEIGHT OF FILL OR DESIGN GA. STD. 1030-D FT.	SIDE DRAIN PIPE LIN. FT. 15"	18"	24"		CONC. 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'-6" OR LESS EA.	GROUP 1 MEDIAN DROP INLET 1'-6" OR LESS EA.	GROUP 1 ADDITIONAL DEPTH LIN. FT.	GROUP 2 MEDIAN DROP INLET 1'-6" OR LESS EA.	GROUP 2 ADDITIONAL DEPTH LIN. FT.
1+40	70° LT							12.20						141	6x6	2378	2	27930	276							
11+35	90°					6							2-42"													
9+10	65° RT					65																				
TOTALS						71							2-42"	141				27930	276							

REMOVE PARAPETS AND WING WALLS

STATION	SIDE	SIZE OF BOX CULVERT	EACH
TOTAL			

REMOVE CONCRETE HEADWALLS ALL SIZES

STATION	SIDE	SIZE	EACH
9+34	LT & RT	Double 42"	2

PAVEMENT

STATION	1-1/2" TON	2" TON	4" TON	8" S.Y.	TACK COAT, GAL.	COMMENT
Mainline	174.49	236.7	483.27	2193.95	144.15	
TOTAL	174.49	236.7	483.27	2193.95	144.15	

STATION	1-1/2" TON	2" TON	4" TON	8" S.Y.	TACK COAT, GAL.	5" AGGR. SURFACE LBS. TON
Mainline	112.97	215.63	398.68	1412.22	94	
DECEL LANE	14.3	19.1	38.2	166	5.8	
1+70 DRIVE LT	4.9	7.8			4.0	21.6
TOTAL	132.2	242.5	436.9	1578.2	104	21.6

CONCRETE RIGHT OF WAY MARKERS

STATION	SIDE	EACH
46+00	L, R	2
53+00	L, R	2
54+00	R	1
54+50	L, R	2
TOTAL		7

STATION	SIDE	CU.YD.
1+66.60	R	1
2+46.99	R	1
13+00	BOTH	2
8+90	L	2
2+58.46	L	1
TOTAL		7

REMOVE CONCRETE HEADWALLS ALL SIZES

STATION	SIDE	SIZE	EACH

ASPHALT CONCRETE REMOVAL

STA. TO STA.	TON
50+00 TO 54+00	460

EROSION CONTROL

STATION	SILT GATES EACH TY	TY	TY	SILT FENCE LF
TOTALS				

STATION	SILT GATES EACH TY	TY	TY	SILT FENCE LF
				400
TOTALS				400

MULCH

ITEM	UNIT	AMOUNT
	S.Y.	306

GUARDRAIL

STATION	SIDE	BEAM-"W" L.F.	ANCH.
0+50 TO	LT.	138	2-TYPE I
1+75 TO 11+55	LT.	200	1-TYPE I 1-TYPE 9
0+60 TO 12+00	RT	300	1-TYPE I 1-TYPE 9
TOTAL		638	4-TYPE I 2-TYPE 9