REQUIRED QUANTITIES PER SHEET

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NF-017-3(39)	33	194

QUANTITIES SHEET NO. 32

GRANT ST.
STA. 45+85 LT. TO
STA. 56+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	16150	13728	180			
TOTAL	16150	13728	180			

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	2.09

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
	ACRE	1.61	1.45	81	4.83
TOTAL		1.61	1.45	81	4.83

(FOR ESTIMATING PURPOSES ONLY)

QUANTITIES SHEET NO. 34

VILLANOW ST.
STA. 47+98 LT. TO
STA. 55+00 RT.
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	1747	1485	229			
49+66 LT			23			DRIVE
50+13 LT			81			DRIVE
TOTAL	1747	1485	333			

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	0.99

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

LUMP SUM	UNIT	QUANTITY	FERTILIZER MIXED GRADE TON	FERTILIZER NITROGEN CONTENT LB.	AGRICULTURAL LIME TON
	ACRE	0.40	0.36	20	1.2
TOTAL		0.40	0.36	20	1.2

(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: MEDIAN DROP INLET H=6' OR LESS EA.	GROUP 1: MEDIAN DROP INLET H=6' OR LESS EA.	GROUP 1: ADDITIONAL DEPTH LIN. FT.	GROUP 2: MEDIAN DROP INLET H=6' OR LESS EA.	GROUP 2: ADDITIONAL DEPTH LIN. FT.	DROP INLET CONNECTION TO CONCRETE BOX CULVERT-GA. STD. 9031-L EA.
50+58				48				1-10					2-24"													
TOTALS				48									2-24"													

REMOVE PARAPETS AND WING WALLS

STATION	SIDE	SIZE OF BOX CULVERT	EACH
TOTAL			

REMOVE CONCRETE HEADWALLS ALL SIZES

STATION	SIDE	SIZE	EACH

PAVEMENT

STATION	1-1/2" TON	2" TON	4" TON	8" S.Y.	TACK COAT, GAL.	1/2" PRIME SURFACE COURSE
MAINLINE	612.28	805.55	1643.25	687092	482.32	
45+92 DRIVE LT						3.9
TOTAL	612.28	805.55	1643.25	687092	482.32	3.9

EROSION CONTROL

STATION	SILT GATES EACH TY 1	TY 3	TY 4	BALED STRAW EROSION CHECK LF
54+50 TO 56+30				180
TOTALS				180

CONCRETE RIGHT OF WAY MARKERS

STATION	SIDE	EACH
46+76.98	R	1
48+00.00	R	1
51+67.49	R, L	2
53+41.50	R	1
54+00.00	L	1
55+50.00	L	1
57+00.00	L	1
TOTAL		8

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: MEDIAN DROP INLET H=6' OR LESS EA.	GROUP 1: MEDIAN DROP INLET H=6' OR LESS EA.	GROUP 1: ADDITIONAL DEPTH LIN. FT.	GROUP 2: MEDIAN DROP INLET H=6' OR LESS EA.	GROUP 2: ADDITIONAL DEPTH LIN. FT.
TOTALS																									

REMOVE PARAPETS AND WING WALLS

STATION	SIDE	SIZE OF BOX CULVERT	EACH
TOTAL			

REMOVE CONCRETE HEADWALLS ALL SIZES

STATION	SIDE	SIZE	EACH

PAVEMENT

STATION	1-1/2" TON	2" TON	4" TON	8" S.Y.	TACK COAT, GAL.	COMMENT
MAINLINE	530.70	736.22	1540.29	6254.18	468.80	
STA. 49+66 DRIVE LT.	1.0	1.3			0.4	
STA. 50+13 DRIVE LT.	3.4	4.5			1.4	
TOTAL	535.1	742.02	1540.29	6254.18	470.6	

EROSION CONTROL

STATION	SILT GATES EACH TY 1	TY 3	TY 4	SILT FENCE LF
TOTALS				

CONCRETE RIGHT OF WAY MARKERS

STATION	SIDE	
54+50	R	1
54+50	L	1
TOTAL		2

ASPHALT CONCRETE REMOVAL

STA. TO STA.	TON
51+30 TO 54+50	400