REGISTERED QUANTITIES PER SHEET

EDF-017-3(39) 15 194

QUANTITIES SHEET NO. 14

STA. 41+00 TO STA. 56+00

EARTHWORK QUANTITIES

STATION	② UNCLASS EXCAVATION CU. YD.	③ UNCLASS EXCAVATION SHRINKAGE CU. YD.	EMBANKMENT CU. YD.	③ BORROW CU. YD.	④ BORROW CU. YD.	COMMENTS
MAINLINE	11908	10122	3601			
46+14 LT	84	71				DRIVE
TOTAL	11,992	10,193	3601			

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	6.46

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	ACRE	4.19	3.8	210	12.6
TOTAL		4.19	3.8	210	12.6

(FOR ESTIMATING PURPOSES ONLY)

QUANTITIES SHEET NO. 16

STA. 56+00 TO 70+00

EARTHWORK QUANTITIES

STATION	② UNCLASS EXCAVATION CU. YD.	③ UNCLASS EXCAVATION SHRINKAGE CU. YD.	EMBANKMENT CU. YD.	③ BORROW CU. YD.	④ BORROW CU. YD.	COMMENTS
MAINLINE	1391	1182	24582			
SPECIAL DITCH	519	441				
TOTAL	1910	1623	24582			

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	6.43

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	ACRE	4.31	3.9	216	12.9
TOTAL		4.31	3.9	216	12.9

(FOR ESTIMATING PURPOSES ONLY)

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

STATION	SKEW	STORM DRAIN PIPE-LIN. FT. 15"	18"	24"	36"	42"	46"	HEIGHT OF FILL OR DESIGN GA. STD. 1030-D FT.	15"	18"	24"	30"	CONCRETE FLARED END SECTION GA. STD. 1128 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.	HEADWALLS GA. STD. 1125 CLASS "A" CONCRETE IND. STEEL: INLET CU.YD.	OUTLET CU.YD.	GA. STD. 9031-S OR 9031-S PRECAST GROUP 1: MEDIAN DROP INLET HIGH OR LESS EA.	ADDITIONAL DEPTH LIN. FT.	GROUP 2: MEDIAN DROP INLET HIGH OR LESS EA.	ADDITIONAL DEPTH LIN. FT.	DROP INLET CONNECTION TO CONCRETE BOX CULVERT-GA. STD. 9031-L EA.
52+80.20														117	7x4	2323	1	11,548	104.7							
46+10																				4.62	4.80					
TOTALS														117				11,548	104.7							

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.	S.Y.	TACK COAT, GAL.	6" AGGR SURF. COURSE TON
MAINLINE	831.83	1116.62	1191.14	994.0		686	
PAVED SHOULDER		70	140			28	
STA. 46+19 DRIVE LT							17.6
TOTAL	831.83	1186.62	1191.14	994.0		714	17.6

CONCRETE RIGHT OF WAY MARKERS

STATION	SIDE	EACH
42+91.15	R	1
42+91.15	L	1
46+41.39	L	2
52+33.81	R	1
52+33.81	L	1
TOTAL		6

DITCH PROTECTION

STATION TO STATION	SIDE	BITUMINUS TREATED GLASS FIBER MULCH S.Y	PERMANENT SOIL REINFORCING MAT S.Y
42+00 - 49+50	LT	623	
TOTAL		623	

EROSION CONTROL

STATION	SILT GATES TY	TY	TY	BALED STRAW LF	SLOPE DRAIN LF	STRAW MULCH SY
41+00 TO 42+00				180		
50+50					23	
51+00				92		
53+00				75		
41+00 TO 42+50 LT.						290
50+00 TO 51+50 RT.						194
TOTALS				347	23	394

CONC. DOWELED INTEGRAL CURB

TYPE 4	160 L.F.

GUARDRAIL

STA TO STA	SIDE	TYPE W BEAM L.F.	ANCHORAGE
41+00-42+10	LT	75	1 - TYPE 9

WOVEN WIRE FENCE (L.F.)

2800'

CONC. BLOCK WALL REMOVAL

37 C.Y.

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

STATION	SKEW	STORM DRAIN PIPE-LIN. FT. 15"	18"	24"	36"	42"	60"	HEIGHT OF FILL OR DESIGN GA. STD. 1030-D FT.	SAND-CEMENT BASE OR RIP RAP 6" THICK SQ.YD.	18"	24"	30"	CONCRETE FLARED END SECTION GA. STD. 1128 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 HIGH OR LESS EA.	ADDITIONAL DEPTH LIN. FT.	GROUP 2: MEDIAN DROP INLET HIGH OR LESS EA.	ADDITIONAL DEPTH LIN. FT.	JUNCT. BOX 9038-U EA.
57+74					136			10-15	1.5				1-36"												1
61+67														104	7x5	2323	1	13,866	130.7						
TOTALS					136													13,866	130.7						1

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.	S.Y.	TACK COAT, GAL.	6" AGGR SURF COURSE TON
MAINLINE	891.25	1196.38	1281.38	1064.0	1064.0	735	
PAVED SHOULDER		75.00	150.00			30	
STA 68+00 DRIVE LT							46
TOTAL	891.25	1281.38	1281.38	1064.0	1064.0	765	46

CONCRETE RIGHT OF WAY MARKERS

STATION	SIDE	EA.
55+70.62	L	1
57+15.00	R	1
58+55.00	R	1
64+04.10	R	1
64+04.10	L	1
67+31.72	R	1
67+31.72	L	1
58+59.87	L	1
67+47.08	L	1
61+43.10	L	1
61+70	L	2
TOTAL		12

DITCH PROTECTION

STATION TO STATION	SIDE	BITUMINUS TREATED GLASS FIBER MULCH S.Y	PERMANENT SOIL REINFORCING MAT S.Y
TOTAL			

WOVEN WIRE FENCE (L.F.)

2690

EROSION CONTROL

STATION	SILT GATES EACH TY	TY	TY	BALED STRAW LF	SLOPE DRAIN LF	STRAW MULCH SY
59+00 TO 67+50				850		
62+00					55	
60+00 TO 67+00 LT						1550
64+00					45	
65+00					34	
66+00					32	
67+00					37	
68+00 TO 70+00 RT.						1258
69+00					37	
70+00					27	
61+65	1					
70+00					40	
TOTALS	1			850	307	2808