

EARTHWORK SUMMARY

STATION	FINISHED GRADE	DISTANCE	COMMON EXCAVATION		SUBBASE OF GRAVEL		EMBANKMENT	
			AREA	VOLUME	AREA	VOLUME	AREA	VOLUME
BOX CUT								
0+00	716.3		10.5		9		0	
0+22	717.4	22	8	8	10.5	8	1	1
0+44	718.2	22	8	7	10.5	9	1	1
0+50	718.5	6	8	2	10.5	2	1	0
0+80	719.6	30	7	8	10.5	12	2.5	2
1+00	720.9	20	7	5	10.5	8	0	1
1+50	724.1	50	18	21	11	20	0	0
1+66	725.4	16	15	9	11	7	0	0
2+00	726.6	34	14	18	11	14	0	0
BOX CUT								
2+87	729.6		7.5		6.5		0	
3+00	729.9	13	2	2	9.5	4	8	2
3+50	731.3	50	0	2	8.5	17	25	31
4+00	733.0	50	0	0	10	17	47	67
4+50	733.4	50	0	0	8.5	17	56	95
5+00	733.8	50	0	0	8	15	52	100
	734.2	50	2.5	2	8.5	15	44	89
	733.4	50	0	2	41	46	0	41
6+50	732.8	50	3	3	27.5	63	0	0
6+84	732.6	34	9	8	6.5	21	1	1
BOX CUT								
7+15	732.7		7.5		6.5		1.5	
7+50	733.6	35	6	9	6.5	8	2.5	3
7+84	732.3	34	7.5	9	6.5	8	0	2
BOX CUT								
8+03	732.3		7.5		6.5		0	
8+50	731.8	47	6	12	6.5	11	0	0
BOX CUT								
9+00	731.7		7		6.5		0	
9+22	731.8	22	7	6	6.5	5	0	0
BOX CUT								
9+44	731.8		7.5		6.5		0	
9+50	732.0	6	7.5	2	6.5	2	0	0
10+00	732.3	50	7.5	14	6.5	12	0	0
10+06	732.1	6	7.5	2	6.5	2	0	0
BOX CUT								
10+29	732.2		7.5		6.5		1	
	733.0	21	7.5	6	6.5	5	1	1
	733.5	50	7.5	14	6.5	12	1	2
	733.4	33	7.5	9	6.5	8	1	1
11+33	733.4		7.5		6.5		0	
COLUMN SUBTOTALS			180 CY	368 CY	440 CY			

STATION	FINISHED GRADE	DISTANCE	COMMON EXCAVATION		SUBBASE OF GRAVEL		EMBANKMENT	
			AREA	VOLUME	AREA	VOLUME	AREA	VOLUME
BOX CUT								
11+86	733.6		7.5		6.5		0	
12+00	734.0	14	5	3	6.5	3	8	2
12+50	734.5	50	3	7	6.5	12	8	15
12+84	733.9	44	3	5	6.5	11	8	13
BOX CUT								
13+55	734.6		7		6.5		2	
13+75	735.8	20	7	5	6.5	5	2	2
13+93	736.0	18	7	5	6.5	4	6	3
BOX CUT								
14+50	737.4		9		6.5		0	
15+00	738.7	50	4.5	13	6.5	12	1.5	1
15+40	738.7	40	4.5	7	6.5	10	1.5	2
BOX CUT								
15+87	740.9		6.5		6.5		0	
16+50	744.0	53	2.5	9	6.5	13	11	11
17+00	748.6	50	4	8	6.5	12	3.5	13
17+48	748.0	48	4	23	6.5	12	0	3
BOX CUT								
17+69	748.5		12		6.5		1	
18+00	748.5	31	15	16	6.5	7	2	2
18+50	749.1	50	10	23	6.5	12	1	3
18+77	748.1	27	10	10	6.5	7	1	1
BOX CUT								
19+22	747.6		8		6.5		3	
19+50	747.0	28	8	8	6.5	7	3	3
20+00	745.6	50	3.5	11	6.5	12	18	19
20+50	744.6	50	5	8	6.5	12	6.5	23
20+75	744.3	25	5	5	6.5	6	6.5	6
BOX CUT								
21+57	744.7		4.5		6.5		2.5	
22+00	745.5	43	4.5	7	6.5	10	2.5	4
22+50	744.6	50	7.5	11	6.5	12	0	2
22+56	744.5	6	7.5	2	6.5	1	0	0
BOX CUT								
22+85	744.0		6		6.5		1.5	
23+00	744.5	15	6	3	6.5	4	1.5	1
23+50	743.8	50	6	11	6.5	12	1.5	3
24+00	742.7	50	6	13	6.5	13	1.5	2
BOX CUT								
COLUMN #2 SUBTOTALS			211 CY	209 CY	134 CY			
COLUMN #1 SUBTOTALS			180 CY	368 CY	440 CY			
PROJECT TOTAL			391 CY	577 CY	574 CY			

* ADD 18 CY FOR DRIVEWAY WORK FOR A TOTAL OF 409 CY
SEE CALCULATIONS ON THIS SHEET

NOTES

1. THE EXISTING MAILBOXES SHALL BE RELOCATED NEAR THEIR ORIGINAL LOCATIONS NEAR THE MIDPOINT BETWEEN THE EDGE OF THE ROAD AND EDGE OF SIDEWALK WITHIN THE GRASS STRIP (3'-6" LEFT OF THE SIDEWALK CENTERLINE), OR AS DIRECTED BY THE ENGINEER. TEMPORARY RELOCATION MAYBE REQUIRED. PAYMENT AS PER ITEM 617.10 AND 617.12
- ITEM 617.10 RELOCATE MAILBOX, SINGLE SUPPORT (TOTAL OF 4)
0+97
7+75
13+66
19+38
- ITEM 617.12 RELOCATE MAILBOX, MULTIPLE SUPPORT (TOTAL OF 3)
7+70
10+85
17+35
2. EXISTING ROADWAY SIGNS SHALL BE RELOCATED NEAR THEIR ORIGINAL LOCATION AS DIRECTED BY THE ENGINEER AS PER ITEM 675.60
- ITEM 675.60 ERECTING SALVAGED SIGNS (TOTAL OF 3)
20+15
21+92
23+00
3. ITEM 620.50 REMOVAL AND RESETTING FENCE
3+00 TO 5+85 (2 STRAND BARBED WIRE) = 285'
7+30 TO 7+80 (WOOD RAIL) = 50'
12+70 TO 12+90 (WOOD RAIL) = 20'
TOTAL = 355'
4. ITEM 620.55 REMOVAL OF EXISTING FENCE (MOD.)
A 75' WOOD RAIL FENCE (1+25 TO 2+00) SHALL BE REMOVED, SALVAGED, AND BECOME THE PROPERTY OF THE OWNER, THE STOWE TRADING COMPANY, IF THE OWNER DOES NOT WANT THE FENCE, THE CONTRACTOR SHALL ASSUME POSSESSION.

STONE FILL, TYPE I

STATION	DISTANCE	AREA	VOLUME
BUTT		15	
3+50	50		35
4+00	50	23	45
4+50	50	26	48
5+00	50	28	47
5+50	38	25	28
5+88		15 (EST.)	
BUTT			203 CY
TOTAL			

EARTHWORK SUMMARY

TOTAL EMBANKMENT = 574 CY
*TOTAL AVAILABLE COMMON EXCAVATION = 409 CY
EARTH BORROW REQUIRED = 165 CY

COMMON EXCAVATION QUANTITIES

ITEM	DESCRIPTION	QUANTITY
203.15	ADDITIONAL COMMON EXCAVATION AT DRIVEWAYS:	
7+00±	40' x 10' x 2' → (12 x 27) =	2.5 CY
8+00±	25' x 11' x 2' → (12 x 27) =	1.5 CY
9+75±	55' x 10' x 2' → (12 x 27) =	3.5 CY
11+50±	55' x 12' x 2' → (12 x 27) =	4.0 CY
12+50±	25' x 12' x 2' → (12 x 27) =	2.0 CY
21+50±	40' x 10' x 2' → (12 x 27) =	2.5 CY
22+75±	35' x 10' x 2' → (12 x 27) =	2.0 CY
TOTAL		18 CY

AUG 9 1994

JUN 80



SHEET 5
"EARTHWORK SUMMARY"
STOWE MOUNTAIN ROAD WALK

PROJ
EW-RS-BI