

EARTHWORK

SUMMARY

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

			COMMON EXCAVATION		SUBBASE OF GRAVEL		EMBANKMENT	
STATION	FINISHED GRADE	DISTANCE	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME
BOX CUT								
11+86	733.6		7.5	3	6.5	3	0	2
12+00	734.0	14	5	7	6.5	12	8	15
12+50	734.5	50	3	5	6.5	11	8	13
12+94	733.9	44	3		6.5		8	
BOX CUT								
13+55	734.6		7	5	6.5	5	2	2
13+75	735.8	20	7	5	6.5	4	2	3
13+93	736.0	18	7		6.5		6	
BOX CUT								
14+50	737.4		9	13	6.5	12	0	1
15+00	738.7	50	4.5	7	6.5	10	1.5	2
15+40	738.7	40	4.5		6.5		1.5	
BOX CUT								
15+97	740.9		6.5	9	6.5	13	0	11
16+50	744.0	53	2.5	8	6.5	12	11	13
17+00	746.6	50	4	23	6.5	12	3.5	3
17+48	748.0	48	9		6.5		0	
BOX CUT								
17+69	748.5		12	16	6.5	7	1	2
18+00	749.5	31	15	23	6.5	12	2	3
18+50	749.1	50	10	10	6.5	7	1	1
18+77	748.1	27	9		6.5		1	
BOX CUT								
19+22	747.6		8	8	6.5	7	3	3
19+50	747.0	28	8	11	6.5	12	3	19
20+00	745.8	50	3.5	8	6.5	12	18	23
20+50	744.6	50	5	5	6.5	6	6.5	6
20+75	744.3	25	5		6.5		6.5	
BOX CUT								
21+57	744.7		4.5	7	6.5	10	2.5	4
22+00	745.5	43	4.5	11	6.5	12	2.5	2
22+50	744.6	50	7.5	2	6.5	1	0	0
22+56	744.5	6	7.5		6.5		0	
BOX CUT								
22+85	744.0		6	3	6.5	4	1.5	1
23+00	744.5	15	6	11	6.5	12	1.5	3
23+50	743.8	50	6	13	6.5	13	1.5	2
24+00	742.7	50	8		8		1	
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

- 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 (5'± LEFT OF THE SIDEWALK CENTERLINE), OR AS DIRECTED BY THE ENGINEER. TEMPORARY RELOCATION MAYBE REQUIRED. PAYMENT AS PER ITEM 617.10 AND 617.12
- EXISTING ROADWAY SIGNS SHALL BE RELOCATED NEAR THEIR ORIGINAL LOCATION AS DIRECTED BY THE ENGINEER AS PER ITEM 675.60
- ITEM 617.10 RELOCATE MAILBOX, SINGLE SUPPORT (TOTAL OF 4)
0+97
7+75
13+68
18+36
- ITEM 617.12 RELOCATE MAILBOX, MULTIPLE SUPPORT (TOTAL OF 3)
7+70
10+85
17+35
- ITEM 675.60 ERECTING SALVAGED SIGNS (TOTAL OF 3)
20+15
21+92
23+00
- 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'
- ITEM 620.53 REMOVAL OF EXISTING FENCE (MOD.)
A 75' WOOD RAIL FENCE (14+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
3+50	50	15	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.)	
TOTAL			203 CY

EARTHWORK SUMMARY

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

COMMON EXCAVATION QUANTITIES

ITEM 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± 35' 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 30 1992

PROJECT
BW-RS-BIKE (2S)



"EARTHWORK SUMMARY"
STOWE MOUNTAIN ROAD WALK
CHARLES GRENIER
CONSULTING ENGINEER, P.C.
BOX 445, WATERBURY, VERMONT
244-6413
DATE 8-14-91
DRN BY T.J.M.
SCALE A-1/4"
SHT 31 OF 32

REVISED 1-31-82
REVISED 1-1-81
REVISED 8-20-81