

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

		TOTAL EXCAVATION EARTH AND ROCK		ROCK EXCAVATION		EMBANKMENT				SUMMARY AND BALANCES						SUMMARY BY COLUMNS							
STATION	DIST	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	STATION TO STATION	TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES		ACCUMULATIVE EXCESSES		SHEET NO.	COL. NO.	TOTAL CY	ROCK CY	EMBANKMENT CY	
														CUT	FILL	CUT	FILL						
T.H. 85		0.0		0.0		0.0				T.H. 85									1		2836	175	743
13+00		0.0		0.0		0.0				13+00	272	0	96	162		162							
13+20	20	141.7	52	0.0	0	13.5	5			U.S. ROUTE 5										2836	175	743	
13+40	20	95.7	88	0.0	0	14.0	47			100+75	0	0	11	13	149								
13+60	20	0.0	35	0.0	0	0.0	42			CHANNEL EXCAVATION													
13+80	20	0.0	0	0.0	0	0.0	0				130	0	0	130	279								
14+00	20	0.0	0	0.0	0	0.0	0			COFFERDAM EXCAVATION													
14+20	20	0.0	0	0.0	0	0.0	0	C	272		1570	175	0	1657	1936								
14+40	20	0.0	0	0.0	0	0.0	0	FAC	1.00	NORTH DITCH													
14+60	18	92.3	34	0.0	0	2.8	1	F	96		378	0	545	249	1687								
14+78		95.8	63	0.0	0	0.0	1	EXC	162	DESIGN ERROR SEE DESIGN FOLDER	14												
										SOUTH DITCH													
U.S. ROUTE 5											437	0	91	332	2019								
100+75	25	0.0	0	0.0	0	0.0	0				16												
101+00	50	0.0	0	0.0	0	0.0	0			DRAINAGE													
101+50	50	0.0	0	0.0	0	0.4	1				49	0	0	49	2068								
102+00	50	0.0	0	0.0	0	1.0	2																
102+50	50	0.0	0	0.0	0	1.6	4																
103+00	50	0.0	0	0.0	0	2.2	2																
103+50	50	0.0	0	0.0	0	0.0	1																
104+00	50	0.0	0	0.0	0	0.9	1	F	1.15														
104+50	50	0.0	0	0.0	0	0.0	0	EXF	13														
105+00	50	0.0	0	0.0	0	0.0	0																
CHANNEL EXCAVATION								C	130														
BRI00		130	0	0	0			FAC	1.00														
								EXC	130														
COFFERDAM EXCAVATION								C	1570														
		1570	175	0	0			FAC	1.00														
								R	175														
								FAC	1.30														
								EXC	1657														
NORTH DITCH								C	378														
		378	0	0	0	545		FAC	1.00														
								F	545														
								FAC	1.15														
								EXF	249														
SOUTH DITCH								C	437														
		437	0	0	0	91		FAC	1.00														
								F	91														
								FAC	1.15														
								EXC	332														
DRAINAGE								C	49														
		49	0	0	0	0		FAC	1.00														
								EXC	49														
COLUMN FOOTING																							
		2836	175	0	0	743																	

REMARKS	
EARTH AND ROCK EXCAVATION	2836 CY
SOLID ROCK EXCAVATION	175 CY
EARTH EXCAVATION	2661 CY
PLANIMETERED FILL	743 CY
SOLID ROCK FACTOR	1.30
LESS FACTORED SOLID ROCK	228 CY
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	23 CY
NET PLANIMETERED FILL	492 CY
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	566 CY
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	2661 CY
CHANNEL EXCAVATION (30 x 0.30)	39 CY
COFFERDAM EXCAVATION	1570 CY
TOTAL MATERIAL AVAILABLE FOR FILL	4270 CY
TOTAL FILL INCLUDING FACTOR	566
TOTAL MATERIAL FOR FILL	4270
EXCESS EXCAVATION SUBTOTAL	3704
EXCESS EXCAVATION SUBTOTAL ROUNDING	6
EXCESS EXCAVATION	3710 CY

SURVEYED BY W. DEYETTE DATE 10/93
 DRAWN BY C. KAHLBAUGH DATE 7/06
 SQUAD LEADER J. P. HALSTEAD
 DESIGN FILE NO. 3797EW.DGN
 I/P/AM FILE DATE PLOTTED 12/28/2006
 PROJ. NAME ST. JOHNSBURY, BRIDGE NO. 29
 PROJ. NO. BRO 1447(9)
 SHEET 9 OF 72 SHEETS

FILE NAME: c:\3797\mstn\03\final\3797ew.dgn
 USER: 2467