

DRAINAGE AND ITEM QUANTITY SHEET

STATE OF VERMONT DEPARTMENT OF HIGHWAYS
PROJECT F NO. 021-1(B)5

APPROXIMATE SUMMARY OF QUANTITIES			
BRIDGE	ROADWAY	GRAND TOTAL	UNIT
	1	1	LS
	4550	4550	EA
25	100	100	CY
	105	130	CY
	1000	1000	CY
	100	100	CY
	3100	3100	SY
	315	590	CY
115	10	120	CY
	115	115	CY
70	70	70	CY
	2395	2450	CY
	580	580	TON
	469	480	CY
11	469	480	TON
123	12	135	CY
16623	977	17600	LBS
4	4	4	GAL
73	288	288	SY
	1	1	EA
	5	5	EA
	175	175	LF
	50	50	LF
	2	2	EA
	10	10	HR
	1	1	HR
	1	1	HR
	100	100	TON
	1	1	TON
15	400	400	CY
41	41	41	LF
	5	5	EA
	4	4	EA
	5	5	EA
	38	38	LF
	4	4	EA
	4	4	EA
	1	1	EA
	100	100	HR
	250	250	HR
	1	1	LS
	445	445	LF
	1900	1900	LF
	1840	1840	LF
	26	26	LF
	4	4	EA
	24	24	LB
	7	7	LB
	200	200	TON
	1	1	TON
	100	100	TON
	3	3	SY
	57	57	SF
	350	350	LB
	13	13	EA

DETAILED SUMMARY OF QUANTITIES		
QUANTITY	UNIT	ITEM
<u>COMMON EXCAVATION</u>		
2212	CY	ROADWAY
386	CY	BEGIN APPROACH
287	CY	END APPROACH
381	CY	TR # 2
1000	CY	EXCAVATION FOR SAND BORROW
232	CY	DRIVES
52	CY	ROUND
4550	CY	TOTAL
<u>SUBBASE OF GRAVEL</u>		
1239	CY	ROADWAY
310	CY	BEGIN APPROACH
260	CY	END APPROACH
332	CY	TR # 2
222	CY	DRIVES
32	CY	ROUND
2395	CY	TOTAL
<u>PLANT MIXED BASE COURSE</u>		
389	TON	ROADWAY
102	TON	BEGIN APPROACH
80	TON	END APPROACH
9	TON	ROUND
580	TON	TOTAL
<u>BITUMINOUS CONCRETE PAVEMENT</u>		
254	TON	ROADWAY
64	TON	BEGIN APPROACH
50	TON	END APPROACH
35	TON	TR # 2
20	TON	TEMPORARY DETOUR
40	TON	DRIVES
6	TON	ROUND
469	TON	TOTAL
<u>TRENCH EXCAVATION OF EARTH</u>		
183	CY	DRAINAGE SHEET
131	CY	UNDERDRAIN (EST)
1	CY	ROUND
315	CY	TOTAL
<u>TEMPORARY EROSION CONTROL</u>		
25	CY	Trench Excavation of Earth
55	CY	SUBBASE OF GRAVEL
11	CY	Stripping of Pits
10	CY	Stone Fill, Type I
7	LB	Seed - Winter Rye
0.25	TON	Hay Mulch
20	SY	Erosion Matting

DRAINAGE STRUCTURES																		
STA	POS	OLD CULVERT	TYPE	ACCG.M.P.		C.G.M.P.		UNCLASS. CHANNEL EXCAV.	STONE FILL CY / TYPE	ADJ. CHANGE ELEV.	C.R.M.	TRENCH EARTH	EXCAV. ROCK	ASKEW	REMARKS			
				IN	OUT	D	L									D	L	
16+59	RT	SEWER MH													Retain			
16+56	RT	18" ACCGMP													Retain			
16+93.5	RT	24" FLEX. I.D.													Retain			
16+93.5	E	18" ACCGMP													Retain			
16+96	LT																	
18+25	LT																	
19+85	LT	24" Culvert													Retain			
19+96	RT	SEWER MH																
20+30	LT	30" Culvert													Retain			
20+59	RT	WSO																
23+00	RT	15" CMP													Retain Pipe - New RCDI @ 23+00 RT (depth to be determined in field)			
23+90	RT																	
TR 2 5+42	RT																	
TR 2 5+42	RT																	
TR 2 5+42	RT																	
TR 2 5+76	RT																	
Chan. 90+39	RT																	
Chan. 92+00	RT																	
TOTALS				18	288			105	48	I	1	1	183	3	2 1/2	11.2	951	5-A

GUARD RAIL, STANDARD STEEL BEAM w/ STEEL POSTS TYPE II		
STA.	RAY LENGTH	ANCHOR
20+91 Lt. ~		
21+03 Lt.	12.5'	1-G-1d
21+21 Rt. ~		
21+34 Rt.	12.5'	1-G-1d
21+48.5 Lt. ~		
21+58 Lt.	12.5'	1-G-1d
21+64 Rt.		1-G-1d
sub-total		37.5'
TOTAL		38' 4-G-1d

VERTICAL GRANITE CURB		
STA.	LENGTH	
ML 18+25 Rt. ~		
TR 2 5+59 Rt.	235'	
ML 18+23 Lt. ~		
ML 19+82 Lt.	159'	
sub-total		394'
round		6'
TOTAL		400'

GUARD RAIL APPROACH SECTION, TYPE II		
STA. ~ STA.	EA	
21+03 Lt. ~ 21+15.5 Lt.	1	
21+21 Rt. ~ 21+32.5 Rt.	1	
21+36 Lt. ~ 21+48.5 Lt.	1	
21+52.5 Rt. ~ 21+64 Rt.	1	
TOTAL 4		

TYPE OF CONSTRUCTION:				
STATIONS FROM TO	PAVEMENT WIDTHS	EQUATIONS		REMARKS
		+	-	

LENGTH OF PROJECT				
STA.	STA.	FEET	MILES	REMARKS
18+25	21+24.80	299.80	0.057	Roadway
21+24.80	21+43.71	18.91	0.004	Bridge
21+43.71	22+50	106.29	0.020	Roadway
425.00			0.081	

* NON-GOVERNMENT PARTICIPATION
 These quantities are reflected in the above Summary of Quantities

250	250	CY	Trench Excavation of Earth	204.20
110	110	CY	Trench Excavation of Rock	204.21
1	1	EA	Changing Elevation of Sewer Manhole	604.401
1	1	EA	Adjust Elevation of Valve Box	629.20
445	445	LF	Install Water Main	642.53