

EARTHWORK

BRIDGE QUANTITY SHEET

V.C.	% GRD	STATION	GRADES		CORR. V.C.	DIST. KC.	COMMON EXCAVATION		EARTH BORROW		SUBBASE OF GRAVEL		GRAVEL SURFACE COURSE	
			ELEVATION ON TAN.	ELEVATION ON V.C.			AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
		54+00	BEGIN PROJECT, CONSTRUCT SATISFACTORY APPROACH				0	0	0	0	0	0	0	0
	-0.54%	54+36	501.65	501.65	0	0	1.9	27.8	11.1	13.7				
		+50	501.13	501.14	0.01	14	2	30	12	15				
		54+86	501.92	502.06	0.14	50	1.9	50.9	43.5	34.3				
		55+00	502.15	502.16	0.01	36	0	25	18.1	35	20.8	22	10.3	
		+25	502.75	502.75	0	0		40	40	15				
		+36						27.8	30.1				12.5	
			BEGIN BRIDGE											
	+1.47%	+76.55	502.93	502.89	0.04	11								
		+50	502.98	502.92	0.06	14		2.0	7.0	2.5	8.8	12	4.2	
		+69	503.40	502.95	0.45	39		0	0	0	0	0	0	
		+75												
		+86	503.59	502.86	0.73	50								
			END BRIDGE											
		+91.71	503.34	502.77	0.57	44.55		0	0	0	0	0	0	
								5.6	2.8	1.3				
		56+00	503.00	502.62	0.38	36		30	15.6	15	12.0	7	5.3	
		+13	501.95	501.91	0.04	11		35	35	15				
		+25							51.4	51.4			21.9	
		+36	501.49	501.49	0	0								
		+50	500.90	500.93	0.03	14		40	40			17		
		+15	499.85	500.08	0.23	39		37.0	38.9				26.9	
		+36	499.40	499.78	0.38	50								
		57+00	499.23	499.42	0.19	36		0	2			12		
			END PROJECT, CONSTRUCT SATISFACTORY APPROACH							8.3			15.7	
		+25	498.93	498.95	0.02	11								
		57+36	498.80	498.80	0	0								
		+50						7	6.5	5		4.6		
		58+00						0	0	0		0	4.6	
								3.8	246.2	234.3		150.9		
								10	250	240		160		
								30	20	40				
								50	40					
								TOTAL = 90	310	240		160		
			EARTHWORK SUMMARY											
			MATERIAL AVAILABLE FOR FILL:						90	1.0	90			
			COMMON EXCAVATION						800	0.6	480			
			UNCLASSIFIED CHANNEL EXCAVATION						280	0.6	168			
			STRUCTURE EXCAVATION											
								TOTAL	738	FILL AVAILABLE				
			FILL MATERIAL NEEDED:						310	1.15	357			
			EARTH BORROW								FILL NEEDED			
									391	EXCESS MATERIAL				

NO.	ITEM	UNIT	QUANTITY BREAKDOWN										TOTAL	FINAL		
			SUPER STRUCTURE	ABUT No. 1	ABUT No. 2	CHANNEL	ROADWAY									
202.25	REMOVAL OF STRUCTURE	EA				1									1	
203.15	COMMON EXCAVATION	CY											90		90	
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY				800									800	
204.28	STRUCTURE EXCAVATION	CY													335	
204.30	GRANULAR BACKFILL FOR STRUCTURE	CY													305	
301.26	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	CY											240		240	
401.10	GRAVEL SURFACE COURSE	CY											160		160	
501.25	CONCRETE, CLASS B	CY								128	104				233	
501.40	CONCRETE, L.W.	CY	85												85	
509.15	REINFORCING STEEL	LB	18,290												18,290	
514.10	WATER REPELLENT	GAL	11							6	5				22	
601.1552	18" ACCGMP (0.064)	LF													120	
604.45	CAST IRON GRATE WITH FRAME, TYPE A	EA													1	
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	HR													5 (est)	
611.25	TREATED LUMBER & TIMBER	MBF													0.35	
613.11	STONE FILL, TYPE II	CY										500			500	
617.35	BRIDGE RAILING - HEAVY DUTY STEEL BEAM	LF	96												96	
621.38	GUARD RAIL, HEAVY DUTY STEEL BEAM w/WOOD POSTS TYPE II	LF													201	
621.90	ANCHORS FOR STEEL BEAM G.R. w/WOOD POSTS AT OPENINGS	EA													4	
635.10	MOBILIZATION	LS													1	
638.10	ONE WAY TEMPORARY BRIDGE	LS													1	