

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES											TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
					Roadway	ROADWAY (NON PARTICIPATING)	TRAINING	Erosion Control	Bridge	Full C&E	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
					1						1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10				EARTHWORKS SUMMARY
					1985						1985		CY	COMMON EXCAVATION	203.15				FILL REQUIRED
									850		850		CY	UNCLASSIFIED CHANNEL EXCAVATION	203.27				FILL AVAILABLE
					5						5		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28		1985	CY	COMMON EXCAVATION(1.0 X 1985)
					615						615		CY	SAND BORROW	203.31		510	CY	UNCLASSIFIED CHANNEL EXCAVATION(0.6 X 850)
					300						300		CY	GRANULAR BORROW	203.32		812	CY	STRUCTURE EXCAVATION(0.6 X 1354)
					610						610		CY	TRENCH EXCAVATION OF EARTH	204.20		610	CY	TRENCH EXCAVATION EARTH(1.0 X 610)
					31						31		CY	TRENCH EXCAVATION OF ROCK	204.21		188	CY	COFFERDAM EXCAVATION EARTH(0.25 X 750)
					1						1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22		8	CY	TRENCH EXCAVATION ROCK(0.25 X 31)
									1354		1354		CY	STRUCTURE EXCAVATION	204.25		44	CY	COFFERDAM EXCAVATION ROCK(0.25 X 176)
					495						495		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30		4157	CY	SUBTOTAL
									750		750		CY	COFFERDAM EXCAVATION, EARTH	208.30		0	CY	ROUNDING
									176		176		CY	COFFERDAM EXCAVATION, ROCK	208.35		4157	CY	TOTAL
									1		1		LS	COFFERDAM	208.40				FILL AVAILABLE
					538						538		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10				FILL REQUIRED
					1680						1680		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35		320	CY	FILL REQUIRED
					14						14		CWT	EMULSIFIED ASPHALT	404.65		0	CY	BORROW
					1						1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50		3837	CY	WASTE
					862				168		1030		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30				COMMON EXCAVATION
					1						1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32		1811	CY	MAINLINE
									467		467		CY	CONCRETE, HIGH PERFORMANCE CLASS A	501.33		174	CY	DRIVES, SIDEWALKS, & STAIRCASES
					4						4		CY	CONCRETE, HIGH PERFORMANCE CLASS B	501.34		0	CY	ROUNDING
									681		685		CY	FURNISHING EQUIPMENT FOR DRIVING PILING	504.10		1985	CY	TOTAL
									1		1		LS	STEEL PILING, HP 14 X 89	505.18				SUBBASE OF DENSE GRADED CRUSHED STONE
									890		890		LF	STEEL PILING, HP 14 X 117	505.20				MAINLINE
									970		970		LF	DYNAMIC PILE LOADING TEST	505.45				DRIVES, SIDEWALKS, & STAIRCASES
									4		4		EACH	STRUCTURAL STEEL, ROLLED BEAM (FPQ)	506.50				ROUNDING
									67929		67929		LB	STRUCTURAL STEEL, TRUSS (FPQ)	506.57				TOTAL
									761398		761398		LB	STRUCTURAL STEEL (FPQ)	506.60				SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
									200		200		LB	REINFORCING STEEL (FPQ)	507.15				TYPE IVS - WEARING COURSE
									146008		146008		LB	EPOXY COATED REINFORCING STEEL (FPQ)	507.17				TYPE IVS - BINDER COURSE
					306						306		LB	SHEAR CONNECTORS (11770 - 7/8" X 7")	508.15				TYPE IVS - BASE COURSE
									104354		104354		LB	STRUCTURAL PAINTING, SHOP APPLIED	513.25				TYPE IVS - BASE COURSE
									1		1		LS	SURFACE PREPARATION, SHOP	513.40				TYPE IVS - WEARING COURSE TH5
									1		1		LS	WATER REPELLENT, SILANE	514.10				TYPE IVS - BINDER COURSE TH5
					20				118		138		GAL	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10				TYPE IVS - WEARING COURSE TH69
									28		28		LF	BRIDGE EXPANSION JOINT, FINGER PLATE	516.12				TYPE IVS - BINDER COURSE TH69
									37		37		LF	SHEET MEMBRANE WATERPROOFING, TORCH APPLIED	519.20				ROUNDING
									1002		1002		SY	METAL HAND RAILING	525.15				TOTAL
					28						28		LF						

PROJECT NAME: **BETHEL**
PROJECT NUMBER: **BRF 022-1(14)**
FILE NAME: s78f161qty.dgn PLOT DATE: 06/16/2011
PROJECT LEADER: M. EVANS-MONGEON DRAWN BY: M. LONGSTREET
DESIGNED BY: S. SCRIBNER CHECKED BY: N. VANDENBERG
QUANTITY SHEET #1 SHEET 9 OF 148

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
					Roadway	ROADWAY (NON PARTI- CIPATING)	TRAINING	Erosion Control	Bridge	Full C&E	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
									352		352		LF	BRIDGE RAILING, 3 RAIL ALUMINUM	525.22				
									403		403		LF	BRIDGE RAILING, ALUMINUM/PEDESTRIAN	525.23				
									1		1		LS	MAINTENANCE OF STRUCTURES AND APPROACHES	527.10				
									1		1		LS	TWO-WAY TEMPORARY BRIDGE (9240 SF - EST.)	528.11				
									1		1		EACH	REMOVAL OF STRUCTURE (11500 SF - EST.)	529.15				
									10		10		EACH	BEARING DEVICE ASSEMBLY, ELASTOMERIC PAD	531.11				
									4		4		EACH	BEARING DEVICE ASSEMBLY, POT	531.12				
														BEGIN OPTION AA					
					24						24		LF	12" CAAP .060 (2-2/3 X 1/2)	601.0205				
					24						24		LF	12" PCCSP .064 (2-2/3 X 1/2)	601.0405				
					24						24		LF	12" CPEP	601.0905				
														END OPTION AA					
														BEGIN OPTION BB					
					412						412		LF	18" CAAP .105 (2-2/3 X 1/2)	601.0217				
					412						412		LF	18" PCCSP .079 (2-2/3 X 1/2)	601.0416				
					412						412		LF	18" CPEP	601.0915				
														END OPTION BB					
														BEGIN OPTION CC					
					170						170		LF	24" CAAP .105 (2-2/3 X 1/2)	601.0227				
					170						170		LF	24" PCCSP .109 (2-2/3 X 1/2)	601.0427				
					170						170		LF	24" CPEP	601.0920				
														END OPTION CC					
					1						1		EACH	CONCRETE MANHOLE WITH CAST IRON COVER	604.11				
					9						9		EACH	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE	604.20				
						4					4		EACH	CHANGING ELEVATION OF SEWER MANHOLES	604.42				
					10						10		HR	BULLDOZER RENTAL, TYPE I	608.10				
					10						10		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25				
					10						10		HR	LOADER RENTAL, TYPE I	608.40				
					10						10		MGAL	DUST CONTROL WITH WATER	609.10				
					1						1		TON	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15				
								10			10		CY	STONE FILL, TYPE I	613.10				
									1180		1180		CY	STONE FILL, TYPE IV	613.13				
					752						752		LF	PRECAST REINFORCED CONCRETE CURB, TYPE B	616.26				
					291						291		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10				
					65						65		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	618.11				
					18						18		SF	DETECTABLE WARNING SURFACE	618.30				
					37.5						37.5		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20				
					2						2		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60				
									100		100		LF	ALUMINUM APPROACH RAILING	621.74				
					27						27		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80				

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DESIGNED BY: S. SCRIBNER CHECKED BY: N. VANDENBERG
QUANTITY SHEET #2 SHEET 10 OF 148

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
					Roadway	ROADWAY (NON PARTI- CIPATING)	TRAINING	Erosion Control	Bridge	Full C&E	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
					4000						4000		HR	FLAGGERS	630.15				
										1	1		LS	FIELD OFFICE, ENGINEERS	631.10				
										1	1		LS	TESTING EQUIPMENT, CONCRETE	631.16				
										1	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17				
										3000	3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26				
							1040				1040		HR	EMPLOYEE TRAINEESHIP	634.10				
					1						1		LS	MOBILIZATION/DEMOBILIZATION	635.11				
					1						1		LS	TRAFFIC CONTROL	641.10				
					1900						1900		LF	4 INCH WHITE LINE	646.20				
					1900						1900		LF	4 INCH YELLOW LINE	646.21				
					31						31		LF	CROSSWALK MARKING	646.31				
					17						17		LF	DURABLE 24 INCH STOP BAR	646.480				
					100						100		EACH	LINE STRIPING TARGETS	646.76				
								961			961		SY	GEOTEXTILE UNDER STONE FILL	649.31				
								174			174		SY	GEOTEXTILE FOR SILT FENCE	649.51				
								105			105		SY	GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED	649.515				
								112			112		SY	GEOTEXTILE FOR FILTER CURTAIN	649.61				
								100			100		LB	SEED	651.15				
								10			10		LB	SEED, WINTER RYE	651.17				
								600			600		LB	FERTILIZER	651.18				
								2.5			2.5		TON	AGRICULTURAL LIMESTONE	651.20				
								4			4		TON	HAY MULCH	651.25				
								120			120		CY	TOPSOIL	651.35				
								665			665		SY	GRUBBING MATERIAL	651.40				
								1			1		LS	EPSC PLAN	652.10				
								200			200		HR	MONITORING EPSC PLAN	652.20				
								1			1		LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	652.30				
								870			870		SY	TEMPORARY EROSION MATTING	653.20				
								62			62		CY	VEHICLE TRACKING PAD	653.35				
								9			9		EACH	INLET PROTECTION DEVICE, TYPE I	653.40				
								580			580		LF	BARRIER FENCE	653.50				
								570			570		LF	PROJECT DEMARCATION FENCE	653.55				
					18.2						18.2		SF	TRAFFIC SIGNS, TYPE A	675.20				
					15.6						15.6		LB	TUBULAR ALUMINUM SIGN POST	675.32				
					61						61		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341				
					26	1					27		EACH	REMOVING SIGNS	675.50				
					21	1					22		EACH	ERECTING SALVAGED SIGNS	675.60				
					2						2		EACH	DELINEATOR WITH STEEL POST	676.10				
					1761						1761		LF	ELECTRICAL CONDUIT (4")	678.21				
					352						352		LF	WIRED CONDUIT (4")	678.23				

QUANTITY SHEET 4

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
					Roadway	ROADWAY (NON PARTI- CIPATING)	TRAINING	Erosion Control	Bridge	Full C&E	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
					4				4		8		EACH	JUNCTION BOX	678.26				
					4				1		5		EACH	LIGHT POLE BASE	679.21				
					4				1		5		EACH	LIGHT POLE	679.45				
					4				1		5		EACH	BRACKET ARM	679.47				
					8						8		EACH	LUMINAIRE	679.50				
					1						1		EACH	POWER DROP STANCHION, STREET LIGHTING	679.55				
									228		228		CY	SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, MASS POUR)	900.608				
					1						1		EACH	SPECIAL PROVISION (STAINLESS STEEL TRAFFIC MIRROR)	900.620				
									43446		43446		LB	SPECIAL PROVISION (HIGH PERFORMANCE STEEL, GRADE HPS 70W) (TRUSS)(FPQ)	900.635				

BRIDGE QUANTITY SHEET 1

SUMMARY OF BRIDGE QUANTITIES										TOTALS	DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
		Temporary Bridge	APP SLAB 1	ABUTMENT 1	SUPER-STRUCTURE 1 (APP SPAN)	PIER	SUPER-STRUCTURE 2 (TRUSS SPAN)	ABUTMENT 2	APP SLAB 2	BRIDGE TOTAL	UNIT	ITEMS	ITEM NUMBER	QUANTITIES	UNIT	ITEMS	
				295				555		850	CY	UNCLASSIFIED CHANNEL EXCAVATION	203.27				
				1149		205				1354	CY	STRUCTURE EXCAVATION	204.25				
				1130				345		1475	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30				
								750		750	CY	COFFERDAM EXCAVATION, EARTH	208.30				
								176		176	CY	COFFERDAM EXCAVATION, ROCK	208.35				
								1		1	LS	COFFERDAM	208.40				
					37		131			168	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30				
					108		348	11		467	CY	CONCRETE, HIGH PERFORMANCE CLASS A	501.33				
			26	247		86		296	26	681	CY	CONCRETE, HIGH PERFORMANCE CLASS B	501.34				
						0.5		0.5		1	LS	FURNISHING EQUIPMENT FOR DRIVING PILING	504.10				
								890		890	LF	STEEL PILING, HP 14 X 89	505.18				
								970		970	LF	STEEL PILING, HP 14 X 117	505.20				
						2		2		4	EACH	DYNAMIC PILE LOADING TEST	505.45				
					67929					67929	LB	STRUCTURAL STEEL, ROLLED BEAM (FPQ)	506.50				
							761398			761398	LB	STRUCTURAL STEEL, TRUSS (FPQ)	506.57				
							200			200	LB	STRUCTURAL STEEL (FPQ)	506.60				
				46410		35240		64358		146008	LB	REINFORCING STEEL (FPQ)	507.15				
			3030		23442		73769	1013	3100	104354	LB	EPOXY COATED REINFORCING STEEL (FPQ)	507.17				
					0.5		0.5			1	LS	SHEAR CONNECTORS (11770 - 7/8" X 7")	508.15				
					1					1	LS	STRUCTURAL PAINTING, SHOP APPLIED	513.25				
					1					1	LS	SURFACE PREPARATION, SHOP	513.40				
				30	13	25	30	20		118	GAL	WATER REPELLENT, SILANE	514.10				
				28						28	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10				
								37		37	LF	BRIDGE EXPANSION JOINT, FINGER PLATE	516.12				
					300		702			1002	SY	SHEET MEMBRANE WATERPROOFING, TORCH APPLIED	519.20				
					352					352	LF	BRIDGE RAILING, 3 RAIL ALUMINUM	525.22				
					403					403	LF	BRIDGE RAILING, ALUMINUM/PEDESTRIAN	525.23				
		1								1	LS	MAINTENANCE OF STRUCTURES AND APPROACHES	527.10				
							1			1	LS	TWO-WAY TEMPORARY BRIDGE (9240 SF - EST.)	528.11				
					1					1	EACH	REMOVAL OF STRUCTURE (11500 SF - EST.)	529.15				
				5		5				10	EACH	BEARING DEVICE ASSEMBLY, ELASTOMERIC PAD	531.11				
						2		2		4	EACH	BEARING DEVICE ASSEMBLY, POT	531.12				
				670		73		437		1180	CY	STONE FILL, TYPE IV	613.13				
				50				50		100	LF	ALUMINUM APPROACH RAILING	621.74				
					1		3			4	EACH	JUNCTION BOX	678.26				
					1					1	EACH	LIGHT POLE BASE	679.21				
					1					1	EACH	LIGHT POLE	679.45				
					1					1	EACH	BRACKET ARM	679.47				
						107		121		228	CY	SPECIAL PROVISION (HIGH PERFORMANCE CONCRETE, MASS POUR)	900.608				
							43446			43446	LB	SPECIAL PROVISION (HIGH PERFORMANCE STEEL, GRADE HPS 70W) (TRUSS)(FPQ)	900.635				

PROJECT NAME: **BETHEL**
PROJECT NUMBER: **BRF 022-1(14)**
FILE NAME: s78f161qty.dgn PLOT DATE: 05/10/2011
PROJECT LEADER: M. EVANS-MONGEON DRAWN BY: M. LONGSTREET
DESIGNED BY: S. SCRIBNER CHECKED BY: N. VANDENBERG
BRIDGE QUANTITY SHEET #1 SHEET 13 OF 148