Table B.1-1. Construction Equipment and Workforce Estimates by Activity

Work Activity				Activity Production			
Primary Equipment Description	Estimated Horse-Power	Probable Fuel Type	Primary Equipment Quantity	Estimated Work-force	Estimated Schedule (Days)	Duration of Use (Hours/Day)	Estimated Production Per Day
Survey (1)				4	2		2 Miles
1-Ton Truck, 4x4	300	Gas	2		2	8	1 Mile/Day
Temporary Equipment & Material Staging Area (2)				4			
1-Ton Truck, 4x4	300	Gas	1		Duration of Project	2	
Boom/Crane Truck	350	Diesel	1			4	
Water Truck	300	Diesel	1			8	
R/T Forklift	125	Diesel	1			6	
Truck, Semi, Tractor	400	Diesel	1			2	
Roads & Landing Work (3)				5	3		0.2 Mile & 14 Pads
1-Ton Truck, 4x4	300	Gas	1		3	2	1 Mile/Day & 7 Pads/Day
Motor Grader	250	Diesel	1		2	4	
Water Truck	300	Diesel	1		3	8	
Backhoe/Front Loader	125	Diesel	1		3	6	
Drum Type Compactor	100	Diesel	1		2	4	
Track Type Dozer	150	Diesel	1		2	4	
Lowboy Truck/Trailer	450	Diesel	1		3	2	
Guard Structure Installation (4)				6	2		6 Structures
3/4-Ton Truck, 4x4	275	Gas	1		2	4	4 Structures/ Day
1-Ton Truck, 4x4	300	Gas	1		2	4	
Compressor Trailer	60	Diesel	1		2	6	
Manlift/Bucket Truck	250	Diesel	1		2	6	
Boom/Crane Truck	350	Diesel	1		2	8	
Auger Truck	210	Diesel	1		2	4	
Extendable Flat Bed Pole Truck	400	Diesel	1		2	8	
Remove Existing Conductor (5)				14	1		0.1 Circuit Mile
1-Ton Truck, 4x4	300	Gas	2		1	8	0.3 Mile/Day
Manlift/Bucket Truck	250	Diesel	2		1	8	
Boom/Crane Truck	350	Diesel	2		1	6	

Table B.1-1. Construction Equipment and Workforce Estimates by Activity

Work Activity				Activity Production			
Primary Equipment Description	Estimated Horse-Power	Probable Fuel Type	Primary Equipment Quantity	Estimated Work-force	Estimated Schedule (Days)	Duration of Use (Hours/Day)	Estimated Production Per Day
Bull Wheel Puller	350	Diesel	1		1	6	
Static Truck/ Tensioner	350	Diesel	1		1	6	
Lowboy Truck/ Trailer	450	Diesel	2		1	4	
Wood Pole Removal / Top-Off (6)				6	2		11 Poles
1-Ton Crew Cab, 4x4	300	Gas	2		2	5	
Boom/Crane Truck	350	Diesel	1		2	4	
Manlift/Bucket Truck	250	Diesel	1		2	6	8 Poles/Day
Compressor Trailer	60	Diesel	1		2	6	
Flat Bed Pole Truck	400	Diesel	1		2	8	
Light Weight Steel / Wood Pole Haul (7)				4	2		2 LWS & 7 Wood Poles
1-Ton Truck, 4x4	300	Gas	1		2	4	
Boom/Crane Truck	350	Diesel	1		2	6	6 Poles/Day
Flat Bed Pole Truck	400	Diesel	1		2	8	
Light Weight Steel / Wood Pole Assembly (8)				8	3		2 LWS & 7 Wood Poles
3/4-Ton Truck, 4x4	275	Gas	2		3	4	
1-Ton Truck, 4x4	300	Gas	2		3	4	4 Poles/Day
Compressor Trailer	60	Diesel	1		3	8	
Boom/Crane Truck	350	Diesel	1		3	6	
Light Weight Steel / Wood Pole Erection (9)				8	3		2 LWS & 7 Wood Poles
3/4-Ton Truck, 4x4	275	Gas	2		3	4	
1-Ton Truck, 4x4	300	Gas	2		3	4	4 Poles/Day
Compressor Trailer	60	Diesel	1		3	8	
Boom/Crane Truck	350	Diesel	1		3	6	
Install Tubular Steel Pole Foundations (10)				7	10		5 TSPs
3/4-Ton Truck, 4x4	275	Gas	2		10	4	
Boom/Crane Truck	350	Diesel	1		10	5	
Backhoe/Front Loader	125	Diesel	1		10	6	
Auger Truck	210	Diesel	1		6	6	0.5 TSP/Day
Water Truck	300	Diesel	1		10	8	
Dump Truck	350	Diesel	1		10	6	
Concrete Truck	350	Diesel	3		6	3	
Tubular Steel Pole Haul (11)				4	2		5 TSPs
3/4-Ton Truck, 4x4	275	Gas	2		2	4	
Boom/Crane Truck	350	Diesel	1		2	6	3 TSPs/Day
Flat Bed Pole Truck	400	Diesel	1		2	8	
Tubular Steel Pole Assembly (12)				8	5		5 TSPs
3/4-Ton Truck, 4x4	275	Gas	2		5	4	
1-Ton Truck, 4x4	300	Gas	2		5	4	1 TSP/Day
Compressor Trailer	60	Diesel	1		5	8	
Boom/Crane Truck	350	Diesel	1		5	6	

Table B.1-1. Construction Equipment and Workforce Estimates by Activity

Work Activity				Activity Production			
Primary Equipment Description	Estimated Horse-Power	Probable Fuel Type	Primary Equipment Quantity	Estimated Work-force	Estimated Schedule (Days)	Duration of Use (Hours/Day)	Estimated Production Per Day
Tubular Steel Pole Erection (13)				8	5		5 TSPs
3/4-Ton Truck, 4x4	275	Gas	2		5	4	1 TSP/Day
1-Ton Truck, 4x4	300	Gas	2		5	4	
Compressor Trailer	60	Diesel	1		5	6	
Boom/Crane Truck	350	Diesel	1		5	8	
Install Conductor (14)				20	2		0.2 Circuit Miles
1-Ton Truck, 4x4	300	Gas	2		2	8	0.10 Mile/Day
Wire Truck/Trailer	350	Diesel	2		2	2	
Dump Truck	350	Diesel	1		2	2	
Manlift/Bucket Truck	250	Diesel	4		2	2	
Boom/Crane Truck	350	Diesel	1		2	6	
Sock Line Puller	300	Diesel	1		2	6	
Bull Wheel Puller	350	Diesel	1		2	6	
Static Truck/ Tensioner	350	Diesel	1		2	6	
Backhoe/Front Loader	125	Diesel	1		2	2	
Lowboy Truck/Trailer	450	Diesel	2		2	2	
Guard Structure Removal (15)				6	1		6 Structures
3/4-Ton Truck, 4x4	275	Gas	1		1	4	6 Structures/ Day
1-Ton Truck, 4x4	300	Gas	1		1	4	
Compressor Trailer	60	Diesel	1		1	6	
Manlift/Bucket Truck	250	Diesel	1		1	8	
Boom/Crane Truck	350	Diesel	1		1	8	
Extendable Flat Bed Pole Truck	400	Diesel	1		1	8	
Restoration (16)				7	2		1 Mile
1-Ton Truck, 4x4	300	Gas	2		2	2	0.5 Mile/Day
Motor Grader	250	Diesel	1		2	6	
Water Truck	300	Diesel	1		2	8	
Backhoe/Front Loader	125	Diesel	1		2	6	
Drum Type Compactor	100	Diesel	1		2	6	
Lowboy Truck/Trailer	450	Diesel	1		2	3	

Crew Size Assumptions:

#1 Survey = one 4-man crew	#10 LWS/Wood Pole Erection = one 8-man crew
#2 Staging Yards = one 4-man crew	#11 Install Foundations for Tubular Steel Poles = one 7-man crew
#3 Roads & Landing Work = one 5-man crew	#12 Tubular Steel Pole Haul = one 4-man crew
#4 Guard Structure Installation = one 6-man crew	#13 Tubular Steel Pole Assembly = one 8-man crew
#5 Remove Existing Conductor = one 14-man crew	#14 Tubular Steel Pole Erection = one 8-man crew

#6 Remove Existing LSTs = one 8-man crew	#15 Conductor Installation = one 20-man crew
#7 Remove Existing LST Foundations = one 4-man crew	#16 Guard Structure Removal = one 6-man crew
#8 LWS/Wood Pole Haul = one 4-man crew	#17 Restoration = one 7-man crew
#9 LWS/Wood Pole Assembly = one 8-man crew	