

Appendix A-2
Construction Workforce and Equipment

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Table A-1 Construction Workforce Required for the Proposed Project

Project Component	Construction Activity	Total Estimated Workforce	Estimated Schedule (days)	Activity Production
230-kV transmission line	Survey	4	36	35.5 miles
	Construction yard	4	--	
	Roads and landing work	5	101	18.0 miles, 258 pads
	Install guard structure	6	4	16 structures
	Remove existing conductors and OHGW	14	71	35.5 miles
	Remove existing structures	6	75	221 structures
	Remove existing foundations	8	67	208 H-frames 13 LSTs
	Remove existing wood poles	6	7	23 H-frames 6 poles
	Install LST foundations	18	144	216 LSTs
	LST steel haul	8	108	216 LSTs
	LST steel assembly	42	144	216 LSTs
	LST erection	16	108	216 LSTs
	Tubular steel H-frame foundations	7	42	42 H-frames
	Tubular steel H-frame haul	4	21	42 H-frames
	Tubular steel H-frame assembly	8	42	42 H-frames
	Tubular steel H-frame erection	8	42	42 H-frames
	Install conductor and optical ground wire	32	205	71.0 miles
	Remove guard structure	6	4	16 structures
	Restore	7	36	35.5 miles
115-kV subtransmission line	Survey	4	1	1.0 mile
	Roads and landing work	5	5	0.5 miles 16 pads
	Remove existing H-frame poles	6	3	7 steel poles
	Remove existing H-frame foundations	4	2	7 steel poles
	Install steel pole foundations	7	2	4 TSPs
	Installing lightweight steel poles	4	4	16 steel poles
115-kV subtransmission line	Assembling lightweight steel poles	8	8	16 steel poles
	Erecting lightweight steel poles	8	8	16 steel poles
	Installing conductor and overhead shield wire	16	1	0.15 miles
	Restoration	7	1	1.0 mile
33-kV distribution line	Trenching, structure excavation	4	8	--
	Overhead line	4	3	--
	Underground cable pulling	4	2	--
	Underground cable makeup	8	60	--
Ivanpah Substation	Survey crew	2	15	--
	Grading crew	5	40	--

Table A-1 Construction Workforce Required for the Proposed Project

Project Component	Construction Activity	Total Estimated Workforce	Estimated Schedule (days)	Activity Production
	Civil crew	7	60	--
	Electrical crew	8	60	--
Telecommunication System	Path 1 optical ground wire splice	3	30	30 splices
	Path 2 – Section 1 Marshalling yard	4	--	
	Roads and landing work	5	13	25 miles
	LST steel haul	4	45	45 LSTs
	LST retrofit	14	45	45 LSTs
	Remove existing OHGW / install optical ground wire	15	72	25 circuit miles
	Restoration	7	25	25 miles
	Path 2 – Section 2 Installing underground cable	4	5	4.8 miles
	Pulling/installing fiber cable	4	5	6,000 feet/day
	Installing underground duct	4	66	400 feet/day
	Path 2 – Section 3 - Microwave Path Installing microwave site tower/shelter	4	8	--
	Installing underground fiber cable	4	1	0.7 miles
	Pulling/installing fiber cable	4	1	6,000 feet/day
	Installing underground duct	4	10	400 feet/day
	Path 3 – Section 3 - Golf Course Alternative Installing underground fiber cable	4	8	9 miles
	Pulling/installing fiber cable	4	8	6,000 feet/day
	Installing underground duct	4	119	400 feet/day
	Installing ADSS fiber on pole line	4	7	6 miles
	Installing cross arms on poles	4	7	5,000 feet/day
	Installing ADSS fiber on pole line	4	4	8,000 feet/day
Path 3 – Section 3 - Mountain Pass Alternative Installing underground fiber cable	4	9	6,000 feet/day	
Pulling/installing fiber cable	4	132	400 feet/day	
Installing underground duct	4	8	7 miles	
Installing ADSS fiber on pole line	4	8	5,000 feet/day	
Installing cross arms on poles	4	5	8,000 feet/ day	
Installing ADSS fiber on pole line	8	68	n/a	

Table A-2 Construction Equipment for the 230-kV Transmission Line Construction

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Survey				36	
1/2-ton pickup truck, 4x4	200	Gas	2	36	8
Construction Yard					
1-ton crew cab, 4x4	300	Diesel	1	Project duration	2
30-ton crane truck	300	Diesel	1		2
10,000-pound rough-terrain fork lift	200	Diesel	1		5
Truck, semi-tractor	350	Diesel	1		1
Roads and Landing Work				101	
1-ton crew cab, 4x4	300	Diesel	2	101	2
Road grader	350	Diesel	1	101	4
Track-type dozer	350	Diesel	1	101	6
Drum-type compactor	250	Diesel	1	101	4
Water truck	350	Diesel	2	Project duration	8
Lowboy truck/trailer	500	Diesel	1	51	2
Backhoe/front loader	350	Diesel	1	101	6
Installing Guard Structure				4	
3/4-ton pickup truck, 4x4	300	Diesel	2	4	6
1-ton crew cab flatbed, 4x4	300	Diesel	1	4	6
Compressor trailer	120	Diesel	1	4	6
Auger truck	500	Diesel	1	4	6
Pole truck/trailer	350	Diesel	1	4	6
80-foot hydraulic man-lift/bucket truck	350	Diesel	1	4	4
30-ton crane truck	500	Diesel	1	4	8
Removing Existing Conductor and OHGW				71	
1-ton crew cab, 4x4	300	Diesel	4	71	8
80-foot hydraulic man-lift/bucket truck	350	Diesel	3	71	8
Sleeving truck	300	Diesel	1	71	4
30-ton crane truck	300	Diesel	1	71	4
Flatbed trailer	N/A	N/A	3	64	2
Truck, semi, tractor	350	Diesel	1	64	1
Bull wheel puller	500	Diesel	1	48	4
Hydraulic rewind puller	300	Diesel	1	48	4
Removing Existing Structures				75	
1-ton crew cab, 4x4	300	Diesel	2	75	5
80-ton rough-terrain crane	350	Diesel	1	40	8
30-ton crane truck	300	Diesel	2	75	6
Compressor trailer	120	Diesel	2	40	8
Flatbed truck/trailer	350	Diesel	1	35	8
10,000-pound rough-terrain forklift	200	Diesel	1	35	4
Removing Existing Foundations				67	
1-ton crew cab flatbed, 4x4	300	Diesel	2	67	8

Table A-2 Construction Equipment for the 230-kV Transmission Line Construction

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
10-cubic yard dump truck	350	Diesel	2	67	8
Backhoe/front loader	350	Diesel	2	67	8
Compressor trailer	120	Diesel	2	67	8
Removing Existing Wood Poles				7	
3/4-ton pickup truck, 4x4	300	Diesel	2	7	5
1-ton crew cab flatbed, 4x4	300	Diesel	1	7	5
30-ton crane truck	300	Diesel	1	7	6
Pole truck/trailer	350	Diesel	2	7	8
Installing LST Foundations				144	
1-ton crew cab flatbed, 4x4	300	Diesel	4	144	2
30-ton crane truck	300	Diesel	2	144	5
Backhoe/front loader	200	Diesel	2	144	8
Auger truck	500	Diesel	2	144	8
10-cubic-yard dump truck	350	Diesel	4	144	8
4,000-gallon water truck	350	Diesel	2	144	8
10-cubic-yard concrete mixer truck	425	Diesel	6	144	5
Hauling LSTs				108	
1-ton crew cab flatbed, 4x4	300	Diesel	4	108	2
Flatbed truck/trailer	350	Diesel	2	108	8
10,000-pound rough-terrain fork lift	200	Diesel	2	108	6
Assembling LSTs				144	
3/4-ton pickup truck, 4x4	300	Diesel	6	144	4
1-ton crew cab flatbed, 4x4	300	Diesel	9	144	4
30-ton crane truck	300	Diesel	6	144	8
Compressor trailer	120	Diesel	6	144	6
Erecting LSTs				108	
3/4-ton pickup truck, 4x4	300	Diesel	4	108	5
1-ton crew cab flatbed, 4x4	300	Diesel	4	108	5
Compressor trailer	120	Diesel	2	108	6
80-ton rough-terrain crane	350	Diesel	2	108	6
Installing Tubular Steel H-Frame Foundations				42	
1-ton crew cab flatbed, 4x4	300	Diesel	3	42	2
30-ton crane truck	300	Diesel	1	42	5
Backhoe/front loader	200	Diesel	1	42	8
Auger truck	500	Diesel	1	42	8
10-cubic yard dump truck	350	Diesel	2	42	8
4,000-gallon water truck	350	Diesel	1	42	8
10-cubic yard concrete mixer truck	425	Diesel	3	42	3
Tubular Steel H-Frame Haul				21	
3/4-ton pickup truck, 4x4	300	Diesel	2	21	5
Flatbed truck/trailer	350	Diesel	2	21	8
80-ton rough-terrain crane	350	Diesel	1	21	6
Assembling Tubular Steel H-Frame				42	

Table A-2 Construction Equipment for the 230-kV Transmission Line Construction

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
3/4-ton pickup truck, 4x4	300	Diesel	2	42	5
1-ton crew cab flatbed, 4x4	300	Diesel	2	42	5
Compressor trailer	120	Diesel	1	42	5
80-ton rough-terrain crane	350	Diesel	1	42	6
Erecting Tubular Steel H-Frame Erection				42	
3/4-ton pickup truck, 4x4	300	Diesel	2	42	5
1-ton crew cab flatbed, 4x4	300	Diesel	2	42	5
Compressor trailer	120	Diesel	1	42	5
80-ton rough-terrain crane	350	Diesel	1	42	6
Installing Conductor and Optical Ground Wire				205	
1-ton crew cab flatbed, 4x4	300	Diesel	5	205	8
Wire truck/trailer	350	Diesel	6	205	2
Dump truck (trash)	350	Diesel	1	205	2
3/4-ton pickup truck, 4x4	300	Diesel	6	205	8
22-ton Manitex boom truck crane	350	Diesel	1	205	8
30-ton Manitex boom truck crane	350	Diesel	4	205	6
Splicing rig	350	Diesel	2	205	2
Splicing lab	300	Diesel	2	48	2
20,000-pound rough-terrain fork lift	350	Diesel	1	205	2
580 case backhoe	120	Diesel	1	205	2
Spacing cart	10	Diesel	3	51	8
Static truck/tensioner	350	Diesel	1	205	2
Conductor puller	300	Diesel	2	205	4
30-ton puller	525	Diesel	1	205	3
Sagging dozer with 2 winch	350	Diesel	2	205	2
Bulldozer (D8 cat)	300	Diesel	4	205	1
Hughes 500 E helicopter		Jet A	1	52	6
Fuel, helicopter support truck	300	Diesel	1	52	2
Lowboy truck/trailer	500	Diesel	1	205	2
Removing guard structure				4	
3/4-ton pickup truck, 4x4	300	Diesel	2	4	6
1-ton crew cab flatbed, 4x4	300	Diesel	2	4	6
Compressor trailer	120	Diesel	2	4	6
Pole truck/trailer	350	Diesel	2	4	6
80-foot hydraulic man-lift/bucket truck	350	Diesel	1	4	4
30-ton crane truck	500	Diesel	1	4	8
Restoration				36	
1-ton crew cab, 4x4	300	Diesel	2	36	2
Road grader	350	Diesel	1	36	6
Backhoe	350	Diesel	1	36	6
Front end loader	350	Diesel	1	36	6
Track type dozer	350	Diesel	1	36	6

Table A-2 Construction Equipment for the 230-kV Transmission Line Construction

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Drum type compactor	250	Diesel	1	36	6
Water truck	350	Diesel	1	36	8
Lowboy truck/trailer	500	Diesel	1	36	3

Table A-3 Construction Equipment for the 115-kV Subtransmission Line Construction

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Survey				1	
1/2-ton pickup truck, 4x4	200	Gas	2	1	8
Roads and Landing Work				5	
1-ton crew cab, 4x4	300	Diesel	2	5	2
Road grader	350	Diesel	1	5	4
Track type dozer	350	Diesel	1	5	6
Drum type compactor	250	Diesel	1	5	4
Water truck	350	Diesel	2	Project Duration	8
Lowboy truck/trailer	500	Diesel	1	5	2
Backhoe/front loader	350	Diesel	1	5	6
Removing Existing H-Frame Poles				3	
1-ton crew cab, 4x4	300	Diesel	2	3	5
30-ton crane truck	300	Diesel	2	3	6
Compressor trailer	120	Diesel	2	3	8
Flatbed truck/trailer	350	Diesel	1	3	8
10,000-pound rough-terrain forklift	200	Diesel	1	3	4
Removing Existing H-Frame Foundations				2	
1-ton crew cab flatbed, 4x4	300	Diesel	1	2	8
10-cubic-yard dump truck	350	Diesel	1	2	8
Compressor trailer	120	Diesel	1	2	8
Backhoe/front loader	350	Diesel	1	2	8
Installing Tubular Steel Pole Foundations				2	
1-ton crew cab flatbed, 4x4	300	Diesel	3	2	2
30-ton crane truck	300	Diesel	1	2	5
Backhoe/front loader	200	Diesel	1	2	8
Auger truck	500	Diesel	1	2	8
10-cubic-yard dump truck	350	Diesel	2	2	8
Water truck	350	Diesel	1	2	8
10-cubic-yard concrete mixer truck	425	Diesel	3	2	3
Tubular Steel Pole/ Light Weight Steel H-Frame Haul				4	
3/4-ton pickup truck, 4x4	300	Diesel	2	4	5
40-foot flatbed truck/trailer	350	Diesel	2	4	8
80-ton rough-terrain crane	350	Diesel	1	4	6
Assembling Tubular Steel Pole/Light Weight Steel H-Frame				8	
3/4-ton pickup truck, 4x4	300	Diesel	2	8	5
1-ton crew cab flatbed, 4x4	300	Diesel	2	8	5
Compressor trailer	120	Diesel	1	8	5
80-ton rough-terrain crane	350	Diesel	1	8	6
Erecting Tubular Steel Pole/Light Weight Steel H-Frame				8	
3/4-ton pickup truck, 4x4	300	Diesel	2	8	5
1-ton crew cab flatbed, 4x4	300	Diesel	2	8	5
Compressor trailer	120	Diesel	1	8	5

Table A-3 Construction Equipment for the 115-kV Subtransmission Line Construction

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
80-ton rough-terrain crane	350	Diesel	1	8	6
Installing Conductor				1	
3/4-ton pickup truck, 4x4	300	Diesel	3	1	8
1-ton crew cab flatbed, 4x4	300	Diesel	2	1	8
Wire truck/trailer	350	Diesel	2	1	2
Dump truck (trash)	350	Diesel	1	1	2
22-ton Manitex	350	Diesel	1	1	8
Splicing rig	350	Diesel	1	1	2
3 drum straw line puller	300	Diesel	1	1	4
Lowboy truck/trailer	500	Diesel	1	1	2
Restoration				1	
1-ton crew cab, 4x4	300	Diesel	2	1	2
Road grader	350	Diesel	1	1	6
Backhoe	350	Diesel	1	1	6
Front end loader	350	Diesel	1	1	6
Track type dozer	350	Diesel	1	1	6
Drum type compactor	250	Diesel	1	1	6
Water truck	350	Diesel	1	1	8
Lowboy truck/trailer	500	Diesel	1	1	3

Table A-4 Construction Equipment for the 33-kV Distribution Line Construction

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Trenching, Structure Excavation				8	
1-ton crew cab	300	Diesel	1		2
Backhoe front loader	300	Diesel	1		8
Overhead Line (2)				3	
1-ton crew cab, 4x4	300	Diesel	1	3	2
55-foot double-bucket truck	350	Diesel	1	3	7
50-foot digger derrick	350	Diesel	1	3	4
Underground Cable Pulling				2	
1-ton crew cab, 4x4	300	Diesel	1	2	2
Router placer truck	350	Diesel	1	2	6
Hydraulic rewind puller	300	Diesel	1	2	6
Underground Cable Makeup				60	10
1-ton crew cab, 4x4	300	Diesel	1	4	2
55-foot double-bucket truck	350	Diesel	1	4	4

Table A-5 Construction Equipment for the Ivanpah Substation

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Survey Crew				15	10
¾-ton pickup truck, 4x4	300	Diesel	2	15	4
Utility vehicle	20	Gas	2	40	6
Grading Crew				40	10
¾-ton pickup truck, 4x4	300	Diesel	5	40	4
Bulldozer	350	Diesel	1	40	4
Dump truck	350	Diesel	1	40	6
Paddle graders	350	Diesel	3	40	8
Water truck	300	Diesel	1	40	4
Front end loader	350	Diesel	1	40	8
Maintenance truck	350	Diesel	1	40	4
Compactor	350	Diesel	1	40	8
Generator	20	Gas	1	40	4
Fuel truck	350	Diesel	1	40	2
Civil Crew				60	10
¾-ton pickup truck, 4x4	300	Diesel	7	60	4
Bobcat	200	Diesel	1	60	8
Backhoe	200	Diesel	1	60	8
Drilling rig	350	Diesel	1	60	6
Water truck	350	Diesel	1	60	4
Compactor	200	Diesel	1	60	4
Utility vehicle	20	Gas	2	60	4
Generator	20	Gas	1	60	4
Electrical Crew				60	10
¾-ton pickup truck, 4x4	300	Diesel	8	60	4
45-foot man-lift	150	Diesel	1	60	6
60-foot man-lift	150	Diesel	1	60	6
80-ton crane	300	Diesel	1	45	8
Forklift	150	Diesel	1	60	6
Generator	20	Gas	1	60	4
Utility vehicle	20	Gas	2	60	4

Table A-6 Construction Equipment for the Telecommunication System

Activity and Equipment Required			Duration	
Equipment Description per Construction Activity	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Path 1 – Optical Ground Wire Splice				
Outside plant splicing lab vehicle	--	1	30	8
½-ton pickup truck, 4x4	--	1	30	8
Path 2 – Section 2				
Installing underground fiber cable	--	--	--	--
<i>Pulling fiber cable</i>	--	--	5	--
½-ton pickup truck	Diesel	1	5	8
4 x 4 Telsa cable-stringing truck	Diesel	1	5	8
Splicing van	Diesel	1	5	8
<i>Installing underground duct</i>	--	--	66	--
Backhoe/front loader	Diesel	1	66	8
Dump truck	Diesel	1	66	8
½ ton pickup truck, 4x4	Diesel	1	66	8
Path 2 – Section 3 – Microwave Path				
Installing microwave site tower			15	
1-ton crew cab 4x4	Diesel	1	15	4
Crane	Diesel	1	8	4
Flatbed truck	Diesel	1	3	2
Drill rig	Diesel	1	7	6
Dump truck	Diesel	1	7	6
2-ton truck	Diesel	1	15	4
Concrete truck	Diesel	1	2	6
Concrete pump	Diesel	1	2	6
Fork lift	Diesel	1	10	4
Backhoe/front loader	Diesel	1	10	6
Installing underground fiber cable				
<i>Pulling fiber cable</i>			1	
½-ton pickup truck, 4x4	Diesel	1	1	8
Telsa cable-stringing truck	Diesel	1	4	10
Splicing van	Diesel	1	1	8
<i>Installing underground duct</i>			10	
Backhoe/front loader	Diesel	1	10	8
Dump truck	Diesel	1	10	8
½-ton pickup truck, 4x4	Diesel	1	10	8
Path 2 – Section 3 – Golf Course Alternative				
Installing underground fiber cable				
<i>Pulling fiber cable</i>			8	
½-ton pickup truck, 4x4	Diesel	1	8	8
Telsa cable-stringing truck	Diesel	1	8	8
Splicing van	Diesel	1	4	8
<i>Installing underground duct</i>			119	
Backhoe/front loader	Diesel	1	119	8

Table A-6 Construction Equipment for the Telecommunication System

Activity and Equipment Required			Duration	
Equipment Description per Construction Activity	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Dump truck	Diesel	1	119	8
½-ton pickup truck, 4x4	Diesel	1	119	8
Installing ADSS				
<i>Installing cross arms on poles</i>			7	
½-ton pickup truck, 4x4	Diesel	1	7	8
Telsa cable-stringing truck	Diesel	1	7	8
<i>Installing ADSS fiber on pole line</i>			4	
½-ton pickup truck, 4x4	Diesel	1	4	8
Telsa cable-stringing truck	Diesel	2	4	8
Path 2 – Section 3, Mountain Pass Alternative				
Installing underground fiber cable				
<i>Pulling fiber cable</i>			9	
½-ton pick up truck, 4x4	Diesel	1	9	8
Telsa cable-stringing truck	Diesel	1	9	8
Splicing van	Diesel	1	9	8
Installing underground duct			132	
Backhoe/front loader	Diesel	1	132	8
Dump truck	Diesel	1	132	8
½-ton pickup	Diesel	1	132	8
Installing ADSS				
<i>Installing cross arms on poles</i>			8	
½-ton pickup truck, 4x4	Diesel	1	8	8
Bucket truck	Diesel	2	8	8
<i>Installing ADSS fiber on pole line</i>			5	
½-ton pickup truck, 4x4	Diesel	1	5	8
Telsa cable-stringing truck	Diesel	1	5	8
Splicing van	Diesel	1	2	8

Table A-7 Construction Equipment for Telecommunication Path 2, Section 1

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Construction Yard					
1-ton crew cab 4x4	300	Diesel	1	Construction period	2
30-ton crane truck	300	Diesel	1		2
10,000-pound rough-terrain fork lift	200	Diesel	1		5
Truck, semi, tractor	350	Diesel	1		1
Roads and Landing Work				13	
1-ton crew cab, 4x4	300	Diesel	2	13	2
Road grader	350	Diesel	1	13	4
Track-type dozer	350	Diesel	1	13	6
Drum-type compactor	250	Diesel	1	13	4
Water truck	350	Diesel	2	Construction period	8
Lowboy truck/trailer	500	Diesel	1	6	2
Backhoe/front loader	350	Diesel	1	13	6
LST Steel Haul				45	
1-ton crew cab flatbed, 4x4	300	Diesel	2	45	2
40-foot flatbed truck/trailer	350	Diesel	1	45	8
10,000-pound rough-terrain fork lift	200	Diesel	1	45	6
LST Retrofit				45	
¾-ton pickup truck, 4x4	300	Diesel	3	45	4
1-ton crew cab flatbed, 4x4	300	Diesel	2	45	4
30-ton crane truck	300	Diesel	2	45	8
80-ton rough-terrain crane	350	Diesel	1	45	8
80-foot hydraulic man-lift/bucket truck	350	Diesel	1	45	6
Removing Existing OHGW, Installing Optical Ground Wire				72	
1-ton crew cab flatbed, 4x4	300	Diesel	2	72	8
¾-ton pickup truck, 4x4	300	Diesel	4	72	8
Dump truck (trash)	350	Diesel	1	72	2
20,000-pound rough-terrain fork lift	350	Diesel	1	72	2
30-ton crane truck	300	Diesel	1	72	4
Bull wheel puller	500	Diesel	1	24	4

Table A-7 Construction Equipment for Telecommunication Path 2, Section 1

Activity and Equipment Required				Duration	
Equipment Description per Construction Activity	Estimated Power (HP)	Fuel Type	Number of Units	Estimated Schedule (Days)	Estimated Daily Usage (Hrs/Day)
Splicing lab	300	Diesel	4	9	8
80-foot hydraulic man-lift/bucket truck	350	Diesel	1	36	6
Static truck/tensioner	350	Diesel	1	72	2
Hydraulic rewind puller	300	Diesel	1	24	4
Hughes 500 E helicopter		Jet A	1	24	4
Fuel, helicopter support truck	300	Diesel	1	24	2
Restoration				25	
1-ton crew cab, 4x4	300	Diesel	2	25	2
Road grader	350	Diesel	1	25	6
Backhoe	350	Diesel	1	25	6
Front end loader	350	Diesel	1	25	6
Track-type dozer	350	Diesel	1	25	6
Drum-type compactor	250	Diesel	1	25	6
Water truck	350	Diesel	1	25	8
Lowboy truck/trailer	300	Diesel	1	25	3