

Table Error! No text of specified style in document. -110: Estimated Construction Equipment and Personnel

Activity	People	Number of Days	Equipment	Quantity	Horse-power Rating	Hours of Use per Day	Total Hours of Use (<u>per Day</u>)	Segment Number
Access Road Construction/ Refreshing	1 crew of 4-5	30 63	motor grader	1	174	6	6	Segment 2
			pickup truck	2	250	5	10	Segment 2
			water truck	1	250	4	4	Segment 2
Material Haul	1 crew of 5	30 33	yard and field crane or line truck	1 at each end (2 total)	250	4	08	All segments
			fork lift	1 at each end (2 total)	83	4	08	All segments
Pre-Construction Activities (Staging Yard Setup, Road Refreshing, Vegetation Trimming/BMP Installation)	2 crew of 4-5 (8-10 total)	30	dump truck	2	250	3	6	All segments
			excavator	2	162	3	6	All segments
			loader	2	37	4	8	All segments
			motor grader	2	174	5	10	All segments
			mower	2	74	4	8	All segments
			tractor/trailer unit	1	250	4	4	All segments
			pickup truck	2	250	4	8	All segments
			water truck	1	250	4	4	All segments
Auger Holes, Direct-Bury Poles TL6975: (approx. 34 poles)	2-6 crews of 4-5 (824-10 30 total)	45 60	air compressor	24	78	4	168	Segments 1 and 2
			boom truck	24	250	6	1224	Segments 1 and 2
			drilling rig	24	82	6	1242	Segments 1 and 2
			line truck	24	250	5	2010	Segments 1 and 2
			pickup truck	24	250	4	168	Segments 1 and 2
			pressure digger	12	82	4	84	Segments 1 and 2
			tractor/trailer unit	1	250	3	3	Segments 1 and 2
			water truck	24	250	4	816	Segments 1 and 2
Foundation Construction (micropile)	2 crews of 4-5	45	air compressor	2	78	3	6	N/A
			backhoe	1	97	3	3	N/A
			crane	2	226	3	6	N/A

Activity	People	Number of Days	Equipment	Quantity	Horse-power Rating	Hours of Use per Day	Total Hours of Use <u>(per Day)</u>	Segment Number
(approx. 0 poles)¹	(8-10 total)		crew truck	2	250	4	8	N/A
			flatbed truck	2	250	4	8	N/A
			forklift	2	83	3	6	N/A
			fuel truck	1	250	3	3	N/A
			generator	2	84	4	8	N/A
			grout plant	1	84	2-3	13	N/A
			pickup truck	1	250	4	4	N/A
			tractor/trailer unit	1	250	3	3	N/A
			water truck	2	250	3	6	N/A
Foundation Construction (pier) (approx. 264 poles)	1-3 Crew of 4-5	30 125	air compressor	13	78	4	12	All segments
			boom truck	13	250	3	9	All segments
			drilling rig	13	82	7	21	All segments
			excavator	13	162	4	12	All segments
			forklift	13	83	3	9	All segments
			generator	13	84	3	9	All segments
			loader	13	37	3	9	All segments
			pickup truck	13	250	4	12	All segments
			water truck	13	250	3	9	All segments
Structure Installation and Assembly, per Crew, 2 Crews Required (included old pole removal) (approx. 100 new structures, 19 removed structures)	2-6 crews of 4-5 (824-10 30 total)	60 99	pickup truck	26	250	4	824	All segments
			bucket truck	39	250	6	5418	All segments
			line truck	26	250	5	3010	All segments
			helicopter, light duty	1		4	4	(Segment 2 only)
			boom truck	39	250	6	5418	All segments

¹ The Proposed Project currently does not include installation of micropile poles. However, micropile poles cannot be excluded based on final engineering. As such, details regarding the estimated construction equipment and personnel have been provided for informational use.

Activity	People	Number of Days	Equipment	Quantity	Horse-power Rating	Hours of Use per Day	Total Hours of Use (<u>per Day</u>)	Segment Number
Stringing Activities/ Transfer Conductor/ Sagging Activities (includes removal of old conductor) (approx. 42 structures reconducted /re-energized)	2-6 crews of 4-5 (824-10 30 total)	10 121	boom truck	2 6	250	6	1236	All segments
			double-bull-wheel tensioned (heavy)	1 3	300	6	618	All segments
			drum puller	1 3	300	6	618	All segments
			forklift	1 3	83	3	39	All segments
			line truck	2 6	250	4	824	All segments
			pickup truck	2 6	250	4	824	All segments
			water truck	1 3	250	4	412	All segments
			wire truck	1 3	82	5	15	All segments
			helicopter, light duty	1		4	4	(Segment 2 only)
Trenching for Installation of Underground Cables	1 crew (4-5 total)	10-99 (4-5 days for concrete truck and wire dolly)	concrete truck	2	400	3	6	Segments 1 and 2
			crane	1	226	4	4	Segments 1 and 2
			dump truck	1	250	3	3	Segments 1 and 2
			line truck	1	250	4	4	Segments 1 and 2
			water truck	1	250	3	3	Segments 1 and 2
			wire dolly	1	82	3	3	Segments 1 and 2
			pulling rig	1	82	4	4	Segments 1 and 2
			backhoe	1	97	3	3	Segments 1 and 2
Demobilization / Right-of-Way Restoration and Cleanup/Road Refreshing	2-6 crews of 4-5 (824-10 30 total)	2099	backhoe	1 3	97	4	412	All segments
			dump truck	1 3	400	5	515	All segments
			excavator	1 3	162	4	412	All segments
			loader	1 3	37	4	412	All segments
			motor grader	1 3	174	4	412	All segments
			mower	1 3	74	4	412	All segments
			pickup truck	2 6	250	4	824	All segments
			tractor/ trailer unit	1 3	250	4	412	All segments
water truck	1 3	250	4	412	All segments			

Table Error! No text of specified style in document.-212: Proposed Construction Schedule

Project Activity	Approximate Duration (Days)	Anticipated Start and End Date
Pre-construction activities	30	Dec 30, 2019–Feb 7, 2020
Access road construction/refreshing	63	Feb 2020–Apr 2020
Material haul	30 33	Jan 21, 2020–Mar 25 , 2020
Auger holes, direct-bury poles: (approx. 34 34 poles)	59 60	Segment 1: Feb 2020–Mar 2020 Segment 2: Mar 2020
Foundation construction (micropile) ²	N/A	N/A
Foundation construction (pier foundation), approx. 26 4 poles	136 125	Segment 1: Feb 2020–May 2020 Segment 2: May 2020–Aug 2020 Segment 3: May 2020
Structure installation and assembly, per crew, two crews required (including old pole removal) (approx. 100 new structures, 19 removed structures)	117 99	Segment 1: Mar 2020–May 2020 Segment 2: Aug 2020 Segment 3: May 2020
Stringing activities/transfer conductor/sagging activities	121	Segment 1: May 2020–Jul 2020 Segment 2: Sep 2020–Oct 2020 Segment 3: Jul 2020–Sep 2020
Trenching for installation of underground cables	98	Segment 1: May 2020–Jul 2020
Demobilization/right-of-way restoration and cleanup/road refreshing	112 99	Segment 1: Jul 2020–Sep 2020 Segment 2: Oct 2020–Nov 2020 Segment 3: Sep 2020–Oct 2020

² The Proposed Project currently does not include installation of micropile poles. However, micropile poles cannot be excluded based on final engineering. As such, details regarding the proposed schedule for micropile construction is unknown at this time.