

APPENDIX F: RAIL CORRIDOR CONSTRUCTION EQUIPMENT LIST BY CONSTRUCTION PHASE

Equipment	Horse-power	Quantity (each/site)	No. of Sites	Total Pieces	Approximate Activity Duration (days)	Total Equipment Hours
Mobilization (January 2017–March 2017)						
Flatbed truck – 1 ton	175	3.3	2	6.6	65	3432
Flatbed truck – 5 ton	210	1.1	2	2.2	65	1144
Flatbed tractor/trailer	500	11	2	22	65	11440
Service truck – fuel/lube	300	4.4	2	8.8	65	4576
Water truck	210	2.2	2	4.4	65	2288
Light Plant	10	5.5	2	11	65	5720
Truck dump 18-CY triaxle	200	4.4	2	8.8	65	4576
Boom truck – 20 ton	330	4.4	2	8.8	65	4576
Cat 416E backhoe	87	2.2	2	4.4	65	2288
Cat 330 2.5-CY excavator	300	1.1	2	2.2	65	1144
Cat D6K dozer	125	2.2	2	4.4	65	2288
Land Clearing (April 2017–September 2017)						
Cat 426 backhoe	97	3.85	2	7.7	130	8008
Cat D11N Dozer	850	3.85	2	7.7	130	8008
Cat 426 backhoe	300-450	3.85	2	7.7	130	8008
Cat 966H wheel loader – 5.5 CY	262	3.85	2	7.7	130	8008
Flatbed truck – 1 ton	175	3.85	2	7.7	130	8008
Flatbed truck – 5 ton	210	3.85	2	7.7	130	8008
Water truck	210	3.85	2	7.7	130	8008
Service truck – fuel/lube	300	3.85	2	7.7	130	8008
Cat 631E scraper – 31 CY	335	3.85	2	7.7	130	8008
Earth Moving (October 2017–March 2020)						
Cat 426 backhoe	97	8.25	2	16.5	652	86064
Cat D9N dozer	410	8.25	2	16.5	652	86064
Cat 375 excavator (36)	450	8.25	2	16.5	652	86064
Roadway saw (w/blades)	120	8.25	2	16.5	652	86064
Cat 966H wheel loader – 5.5 CY	262	8.25	2	16.5	652	86064
Cat 14G motorgrader	260	8.25	2	16.5	652	86064
Steel wheel roller	156-174	8.25	2	16.5	652	86064
Cat 633D scraper – 34 CY	335-400	8.25	2	16.5	652	86064

Equipment	Horse-power	Quantity (each/site)	No. of Sites	Total Pieces	Approximate Activity Duration (days)	Total Equipment Hours
Flatbed truck – 1 ton	175	8.25	2	16.5	652	86064
Flatbed truck – 5 ton	210	8.25	2	16.5	652	86064
Service truck – fuel/lube	300	8.25	2	16.5	652	86064
Water truck	210	8.25	2	16.5	652	86064
Light Plant	10	8.25	2	16.5	652	86064
Construction Road Crossing (January 2018–June 2020)						
Air compressor – 900 CFM	450	9.35	2	18.7	651	97389.6
Asphalt paver (LG)	180	9.35	2	18.7	651	97389.6
Aggregate Spreader	60	9.35	2	18.7	651	97389.6
Sweepers	25	9.35	2	18.7	651	97389.6
Roadway Saw	120	9.35	2	18.7	651	97389.6
Auger, truck mounted	200-250	9.35	2	18.7	651	97389.6
Cat 426 backhoe	97	9.35	2	18.7	651	97389.6
Concrete paver – 12/15 foot	30	9.35	2	18.7	651	97389.6
Gas Engine Vibrator	15	9.35	2	18.7	651	97389.6
Concrete Saw	13	9.35	2	18.7	651	97389.6
Concrete Pump	100	9.35	2	18.7	651	97389.6
Crane, 50 T , crawler	420	9.35	2	18.7	651	97389.6
Boom truck – 20 ton	330	9.35	2	18.7	651	97389.6
Crawler crane – 300 ton	420-470	9.35	2	18.7	651	97389.6
Cat D9N dozer	310-410	9.35	2	18.7	651	97389.6
Cat 375 excavator (36)	450	9.35	2	18.7	651	97389.6
Cat 966H wheel loader – 5.5 CY	262	9.35	2	18.7	651	97389.6
Cat 120H motorgrader	158	9.35	2	18.7	651	97389.6
Delmag D80 (diesel)	245	9.35	2	18.7	651	97389.6
Electric sump pump – 8 inch	4	9.35	2	18.7	651	97389.6
Pad foot roller	83	9.35	2	18.7	651	97389.6
Pneumatic roller	156	9.35	2	18.7	651	97389.6
Steel-wheel roller	174	9.35	2	18.7	651	97389.6
Walk Behind Whacker	15	9.35	2	18.7	651	97389.6
Flatbed truck – 1 ton	175	9.35	2	18.7	651	97389.6
Flatbed truck – 5 ton	210	9.35	2	18.7	651	97389.6
Service truck – fuel/lube	300	9.35	2	18.7	651	97389.6

Equipment	Horse-power	Quantity (each/site)	No. of Sites	Total Pieces	Approximate Activity Duration (days)	Total Equipment Hours
Water truck	210	9.35	2	18.7	651	97389.6
Welding Machine	45	9.35	2	18.7	651	97389.6
Genset - 15kw	20	9.35	2	18.7	651	97389.6
Genset - 100 kw	134	9.35	2	18.7	651	97389.6
Light Plant	10	9.35	2	18.7	651	97389.6
Flatbed tractor/trailer	500	9.35	2	18.7	651	97389.6
Construct Elevated Structures (January 2018–September 2020)						
Air Compressor	106	8.25	2	16.5	717	94644
Bore/Drill Rigs-0500	291	8.25	2	16.5	717	94644
Cat 330 2.5-CY excavator	300	8.25	2	16.5	717	94644
Crane, 50 T, crawler	420	8.25	2	16.5	717	94644
Boom truck – 20 ton	210	8.25	2	16.5	717	94644
Crawler crane – 250 ton	420	8.25	2	16.5	717	94644
Cement and Mortar Mixers	10	8.25	2	16.5	717	94644
Concrete/Industrial Saws	10	8.25	2	16.5	717	94644
Cat D8N dozer	310	8.25	2	16.5	717	94644
Cat 966H wheel loader – 5.5 CY	262	8.25	2	16.5	717	94644
Cat 120H motorgrader	158	8.25	2	16.5	717	94644
Pneumatic roller	156	8.25	2	16.5	717	94644
Steel wheel roller	174	8.25	2	16.5	717	94644
Flatbed truck – 5 ton	210	8.25	2	16.5	717	94644
Welders	45	8.25	2	16.5	717	94644
Concrete Pump	600	8.25	2	16.5	717	94644
Construct Elevated Track (October 2020–March 2021)						
Work Train (Diesel Locomotive)	3000	1.1	2	2.2	129	2270.4
Track mobiles	350	1.1	2	2.2	129	2270.4
Rail Grinder	125	1.1	2	2.2	129	2270.4
Rail butt Welder	300	1.1	2	2.2	129	2270.4
Off-Highway Trucks-0500	479	1.1	2	2.2	129	2270.4
Flatbed truck – 1 ton	189	1.1	2	2.2	129	2270.4
Welders	45	1.1	2	2.2	129	2270.4
Rail Swing	500	1.1	2	2.2	129	2270.4
Rail Temper	400	1.1	2	2.2	129	2270.4

Equipment	Horse-power	Quantity (each/site)	No. of Sites	Total Pieces	Approximate Activity Duration (days)	Total Equipment Hours
Cement and Mortar Mixers	10	1.1	2	2.2	129	2270.4
Concrete/Industrial Saws	10	1.1	2	2.2	129	2270.4
Cranes-0500	399	1.1	2	2.2	129	2270.4
Rough Terrain Forklifts-0175	145	1.1	2	2.2	129	2270.4
Generator Sets	549	1.1	2	2.2	129	2270.4
Concrete Pumps	600	1.1	2	2.2	129	2270.4
Construct At Grade Track (July 2020–December 2020)						
Work Train (Diesel Locomotive)	3000	16	2	32	130	33280
Track mobiles	350	16	2	32	130	33280
Rail Grinder	125	16	2	32	130	33280
Rail butt Welder	300	16	2	32	130	33280
Off-Highway Trucks-0500	479	16	2	32	130	33280
Flatbed truck – 1 ton	189	16	2	32	130	33280
Welders	45	16	2	32	130	33280
rail swing	500	16	2	32	130	33280
Rail Tamper	400	16	2	32	130	33280
Continuous action tampers	400	16	2	32	130	33280
Demob (October 2021–March 2022)						
Flatbed truck – 1 ton	175	3.3	2	6.6	151	9966
Flatbed truck – 5 ton	210	1.1	2	2.2	151	3322
Flatbed tractor/trailer	300-500	11	2	22	151	33220
Service truck – fuel/lube	300	4.4	2	8.8	151	13288
Water truck	210	2.2	2	4.4	151	6644
Light Plant	10	5.5	2	11	151	16610
Truck dump – 18-CY triaxle	200	4.4	2	8.8	151	13288
Boom truck – 20 ton	330	2.2	2	4.4	151	6644
Cat 416E backhoe	87	2.2	2	4.4	151	6644
Cat 330 2.5-CY excavator	300	1.1	2	2.2	151	3322
Cat D6K dozer	125	2.2	2	4.4	151	6644