

**APPENDIX D**  
**Access Roads Associated with the Leach XPress Project**



**APPENDIX D  
Access Roads Associated with the Leach XPress Project**

Access Road ID	Milepost	Proposed Use	Existing Use	Upgrade Requirements <sup>a</sup>	Approx. Length (feet)	Approx. Width (feet) <sup>b</sup>
<b>LEX</b>						
TAR-166	0.6	Temporary	Existing field road	Grading and gravel	482	15
TAR-145	1.7	Temporary	Existing field road	Grading and gravel	1,318	25
TAR-146	2.1	Temporary	Existing field road	Grading and gravel	4,994	25
TAR-147	3.6	Temporary	Existing field road	Grading, gravel, and tree clearing	1,651	25
TAR-148	5.1	Temporary	Existing field road	Grading, gravel, and tree clearing	4,331	25
TAR-149	6.5	Temporary	Existing field road	Grading and gravel	6,447	25
TAR-122	8.6, RR-1	Temporary	Existing gravel and dirt road	None	1,736	14
TAR-123	10.3	Temporary	Existing field road	Grading, widening, and gravel	870	20
TAR-124	11.3	Temporary	Existing gravel and dirt road	Grading and gravel	563	20
TAR-125	14.1, RR-2	Temporary	Existing gravel and dirt road	None	3,971	25
PAR-72	17.1, RR-3	Permanent	Existing gravel road	Grading, widening, and gravel	2,570	25
PAR-175	17.4	Permanent	Open land / Forested land	Clearing, grading, and gravel	843	10
TAR-70	18.0	Temporary	Forested land / Existing paved road	Clearing, grading, and gravel	1,275	25
TAR-75	19.1	Temporary	Existing gravel drive	Grading and widening	218	25
TAR-13	21.1	Temporary	Open land	Grading and gravel	660	25
TAR-HDD-1	21.2	Temporary	Open land / Forested land	Clearing, grading, and gravel	518	25
TAR-126	21.3	Temporary	Open land / Existing dirt road	Grading, clearing, and gravel	964	25
TAR-14	21.4	Temporary	Open land / Existing dirt road	Grading and gravel	2,488	25
TAR-168	24.3	Temporary	Existing gravel road	None	1,285	10
TAR-169	24.6	Temporary	Existing gravel road	None	2,601	15
TAR-HDD-2	25.2, RR-5	Temporary	Open land / Forested land	Clearing, grading, and gravel	258	25
TAR-156	25.8, RR-5	Temporary	Existing dirt road / Open land	Grading, clearing, and gravel	741	10
TAR-156A	25.8, RR-5	Temporary	Existing dirt road / Open land	Grading, clearing, and gravel	89	10
TAR-HDD-3	25.8, RR-5	Temporary	Forested land / Open land	Clearing, grading, and gravel	379	25
TAR-167	26.9, RR-5	Temporary	Existing field road / Forested land	Clearing, grading, and gravel	6,413	25
TAR-27	28.6	Temporary	Existing field road	Grading and gravel	334	16
TAR-38	31.1	Temporary	Existing dirt and gravel road	None	3,512	25
TAR-63	34.8	Temporary	Existing dirt road	Grading, clearing, and gravel	943	25
TAR-39	38.9	Temporary	Existing field road	Grading	2,167	10
TAR-62	45.1	Temporary	Existing dirt road	None	235	25
TAR-2	46.2	Temporary	Existing dirt road / Forest / Open land	Clearing and grading	1,539	25

APPENDIX D – ACCESS ROADS ASSOCIATED WITH THE LEACH  
XPRESS PROJECT

**APPENDIX D  
Access Roads Associated with the Leach Xpress Project**

Access Road ID	Milepost	Proposed Use	Existing Use	Upgrade Requirements <sup>a</sup>	Approx. Length (feet)	Approx. Width (feet) <sup>b</sup>
TAR-40	48.9	Temporary	Existing dirt road	None	883	10
TAR-41	49.5	Temporary	Existing dirt road	Widening and gravel	2,271	10
PAR-176	49.8	Permanent	Forested land	Clearing, grading, and gravel	16	10
TAR-32	51.6	Temporary	Existing field road	None	915	10
TAR-20	59.4	Temporary	Existing field road	Clearing	1,199	10
TAR-33	64.5	Temporary	Existing dirt road	Widening and gravel	433	15
TAR-60	65.9	Temporary	Open land / Existing dirt road	Widening and gravel	1,652	25
TAR-16	66.9	Temporary	Existing dirt road	Widening	318	25
TAR-128	66.9	Temporary	Open land	Grading and gravel	119	25
TAR-59	67.3	Temporary	Open land / Existing dirt road	Gravel	2,275	15
TAR-74	68.8	Temporary	Open land / Existing dirt road	Gravel	1,691	15
TAR-73	74.3	Temporary	Existing dirt road	Widening and gravel	1,482	25
TAR-71	74.6	Temporary	Existing dirt road	Widening and gravel	1,879	25
TAR-34	76.8	Temporary	Existing dirt road	Widening and gravel	721	15
PAR-177	83.2	Permanent	Open land	Grading and gravel	7	10
TAR-42	85.3	Temporary	Existing dirt road	None	1,952	10
TAR-44	87.1	Temporary	Open land / Existing field road	None	926	10
TAR-30	87.5	Temporary	Open land / Existing field road	Grading	2,052	15
TAR-15	89.4	Temporary	Forested land / Open land	Clearing, grading, and gravel	573	25
TAR-HDD-4	89.4	Temporary	Open land / Forested land	Clearing, grading, and gravel	913	25
TAR-19	89.7	Temporary	Existing dirt road	Widening and gravel	806	25
TAR-18	89.8	Temporary	Existing dirt road / Open land	Grading and gravel	1,464	25
TAR-57	102.3	Temporary	Existing dirt road / Open land	Widening and gravel	993	25
TAR-58	103.3	Temporary	Existing field road	Widening and gravel	2,834	25
TAR-76	104.7	Temporary	Open land	Grading, clearing, and gravel	301	25
TAR-43	105.5	Temporary	Existing dirt road	Gravel	331	10
TAR-3	109.7	Temporary	Existing dirt road	Clearing, widening, and gravel	939	10
TAR-22	110.1	Temporary	Forested land	Clearing and gravel	129	10
TAR-28	110.5	Temporary	Existing dirt road	None	1,698	10
TAR-23	111.7	Temporary	Existing gravel and dirt road	Clearing, grading, and gravel	1,571	10
TAR-56	113.7	Temporary	Open land / Existing dirt road	Grading and gravel	1,865	25
TAR-24	115.7	Temporary	Existing dirt road	Gravel	1,791	15
TAR-25	116.5	Temporary	Existing dirt and gravel road	Widening and gravel	2,526	10
TAR-26	116.7	Temporary	Open land / Existing gravel road	Gravel	702	15

APPENDIX D – ACCESS ROADS ASSOCIATED WITH THE LEACH  
XPRESS PROJECT

**APPENDIX D  
Access Roads Associated with the Leach XPress Project**

Access Road ID	Milepost	Proposed Use	Existing Use	Upgrade Requirements <sup>a</sup>	Approx. Length (feet)	Approx. Width (feet) <sup>b</sup>
PAR-178	116.7	Permanent	Open land	Grading and gravel	17	10
TAR-5	117.7	Temporary	Open land / Existing dirt road	Widening and gravel	2,069	25
TAR-172	119.6	Temporary	Existing field road	Widening and gravel	1,990	15
TAR-171	119.8	Temporary	Existing field road	Widening and gravel	1,672	15
TAR-17	119.9	Temporary	Open land / Existing dirt road	Grading, clearing, widening, and gravel	3,513	15
TAR-HDD-5	120.0	Temporary	Open land	Clearing, grading and gravel	661	25
TAR-10	120.1	Temporary	Forested land / Open land	Clearing and gravel	303	25
TAR-66	122.5	Temporary	Open land	Grading and gravel	720	25
TAR-21	125.7	Temporary	Existing paved drive and dirt road	None	537	25
TAR-164	129.4	Temporary	Open land / Existing dirt road	Grading, widening, and gravel	1,295	10
TAR-52	130.2	Temporary	Existing dirt road	Grading, widening, and gravel	1,483	15
TAR-51	130.8	Temporary	Existing gravel road	None	66	10
TAR-HDD-6	130.8	Temporary	Open land	Clearing, grading and gravel	388	10
TAR-165	131.2	Temporary	Existing gravel road	None	1,465	10
<b>R-801 Loop</b>						
TAR-53	0.6	Temporary	Existing gravel road	None	2,201	25
TAR-49	2.3	Temporary	Existing gravel road	Widening and gravel	554	25
TAR-48	4.2	Temporary	Existing field road	Grading, widening, and gravel	1,246	25
TAR-133	5.5	Temporary	Forested land	Clearing, grading, and gravel	123	25
TAR-47	5.9	Temporary	Existing field road	Grading and gravel	2,097	25
TAR-50	6.2	Temporary	Existing field road	Grading and gravel	1,293	25
TAR-8	7.7	Temporary	Existing dirt road	Widening and gravel	1,203	25
TAR-134	9.4	Temporary	Existing gravel road / Open land	Widening and gravel	2,442	25
PAR-179	14.2	Permanent	Forested land	Clearing, grading, and gravel	139	10
TAR-46	14.5	Temporary	Existing dirt road / Forested land	Gravel	1,468	25
TAR-77	15.2	Temporary	Open land / Existing dirt road	Grading and gravel	2,545	25
TAR-68	15.6	Temporary	Existing field road	Widening and gravel	3,003	25
TAR-135	19.3	Temporary	Existing field road	Grading and gravel	1,112	25
TAR-136	20.4	Temporary	Existing field road	Grading and gravel	5,413	25
TAR-137	21.1	Temporary	Existing dirt road / Field road / Forested land	Clearing, grading, and gravel	3,250	25
TAR-138	22.5	Temporary	Existing field road	Grading and gravel	1,743	25
TAR-160	22.8	Temporary (Pipe Yard 21)	Open land	Grading and gravel	223	25

**APPENDIX D  
Access Roads Associated with the Leach XPress Project**

Access Road ID	Milepost	Proposed Use	Existing Use	Upgrade Requirements <sup>a</sup>	Approx. Length (feet)	Approx. Width (feet) <sup>b</sup>
TAR-161	24.1	Temporary (Pipe Yard 23)	Open land / Existing gravel drive	Grading and gravel	248	25
<b>BM-111 Loop</b>						
TAR-139	0.0	Temporary	Driveway / open land	Grading and gravel	248	25
TAR-162	1.0	Temporary	Forested land	Clearing, grading, and gravel	166	25
TAR-140	1.4	Temporary	Existing dirt road	Grading and gravel	255	25
<b>R-501 Abandonment</b>						
TAR-80	0.9	Temporary	Open land / existing dirt road	Gravel	204	25
TAR-81	1.0	Temporary	Existing gravel road	Gravel	263	25
TAR-151	1.9	Temporary	Open land	Grading	1,542	25
TAR-152	2.1	Temporary	Open land / Existing dirt road	Grading	2,554	25
TAR-153	2.1	Temporary	Open land	Grading	4,523	25
TAR-82	3.1	Temporary	Open land	Grading and gravel	520	25
TAR-83	3.2	Temporary	Open land	Grading and gravel	1,329	25
TAR-154	3.3	Temporary	Open land	Grading	133	25
TAR-84	3.3	Temporary	Existing driveway	None	336	25
TAR-85	3.4	Temporary - Walking Path	Open land	None	187	5
TAR-86	3.5	Temporary	Open land / Existing gravel road	Gravel	207	25
TAR-87	3.5	Temporary - Walking Path	Open land	None	385	5
TAR-88	4.1	Temporary – Walking Path	Open land	None	72	5
TAR-89	4.1	Temporary – Walking Path	Open land	None	3	5
TAR-90	4.2	Temporary – Walking Path	Open land	None	813	5
TAR-93	6.5	Temporary	Existing dirt road / Open land	Clearing, grading, and gravel	590	25
TAR-94	8.0	Temporary – Walking Path	Open land	None	322	5
TAR-95	8.1	Temporary	Existing field road	Widening and grading	1,965	25
TAR-96	8.1	Temporary – Walking Path	Open land	None	538	5
TAR-97	8.2	Temporary- Walking Path	Open land	None	448	5
TAR-98	8.9	Temporary	Existing dirt / Field road	Widening and grading	1,282	25
TAR-99	8.9	Temporary- Walking Path	Open land	None	292	5
TAR-101	9.2	Temporary- Walking Path	Open land	None	562	5
TAR-104	9.7	Temporary	Open land / Forested land	Clearing, grading, and gravel	712	25
TAR-105	11.9	Temporary	Open land	Gravel	524	25
TAR-155	12.0	Temporary	Open land	Gravel	995	25
TAR-107	13.3	Temporary- Walking Path	Open land	None	696	5
TAR-108	13.8	Temporary- Walking Path	Open land	None	194	5

**APPENDIX D  
Access Roads Associated with the Leach XPress Project**

Access Road ID	Milepost	Proposed Use	Existing Use	Upgrade Requirements <sup>a</sup>	Approx. Length (feet)	Approx. Width (feet) <sup>b</sup>
TAR-109	16.8	Temporary	Open land	Gravel	247	25
TAR-177	17.3	Temporary	Open land	Gravel	472	18
TAR-111	20.1	Temporary	Open land	Gravel	1,538	25
TAR-112	21.6	Temporary	Existing field road / Open land	Grading and gravel	2,042	25
TAR-178	23.1	Temporary	Open land	Gravel	1,310	25
TAR-113	23.8	Temporary	Open land	Gravel	457	20
TAR-173	23.8	Temporary	Open land	Grading and gravel	2,212	25
TAR-174	26.3	Temporary	Open land	Grading and gravel	2,165	25
<b>Aboveground Facilities</b>						
<b>LEX</b>						
PAR-F-2	0.0	Permanent (LEX launcher facility)	Existing gravel road	None	139	29
PAR-MLV-1	3.1	Permanent (MLV Site #1)	Open land	Grade and gravel	161	10
PAR-F-3	7.6, RR-1	Permanent (Lone Oak CS)	Existing property access	Grade, gravel, and trim trees	441	24
PAR-MLV-2	18.5, RR-4	Permanent (MLV Site #2)	Agricultural land	Grading and gravel	292	20
PAR-MLV-3	31.7	Permanent (MLV Site #3)	Open land	Grading and gravel	76	10
PAR-MLV-4	49.3	Permanent (MLV Site #4)	Open land	Grading and gravel	192	10
PAR-F-5	57.2	Permanent (Summerfield CS)	Existing farm road (Town Hwy 209)	Grade and gravel	3,421	16
PAR-127	65.6	Permanent (MLV Site #5)	Existing dirt road	Grading and gravel	838	20
PAR-MLV-6	84.3	Permanent (MLV Site #6)	Open land	Grading and gravel	132	10
PAR-MLV-7	104.2	Permanent (MLV Site #7)	Open land	Grading and gravel	165	10
PAR-MLV-8	122.0	Permanent (MLV Site #8)	Forested land	Clearing, grading, and gravel	391	10
<b>LEX1</b>						
PAR-F-21	0.0	Permanent (K-260 RS)	Existing field road / forested land	Clearing, grading and gravel	2,241	20
PAR-F-27	0.0	Permanent (K-260 RS) (tie-in valve)	Forested land	Clearing, grading and gravel	211	16
PAR-F-26	0.0	Permanent (K-260 RS)	Existing driveway / Forested land	Clearing, grading and gravel	1,253	18
PAR-F-22	0.3	Permanent (K-260 RS)	Existing field road	Grading and gravel	4,169	20
PAR-F-6	1.2	Permanent (LEX1 receiver facility)	Open land	Grading and gravel	956	25
<b>R-801 Loop</b>						
PAR-F-8	0.0	Permanent (R-System RS)	Existing driveway / existing farm road	Grading and gravel	557	8
PAR-F-28	0.05	Permanent (R-System RS tie-in facility)	Open land	Grading and gravel	385	16
PAR-F-29	0.06	Permanent (R-System RS)	Existing driveway / existing farm road	None	798	20

APPENDIX D – ACCESS ROADS ASSOCIATED WITH THE LEACH  
XPRESS PROJECT

**APPENDIX D  
Access Roads Associated with the Leach XPress Project**

Access Road ID	Milepost	Proposed Use	Existing Use	Upgrade Requirements <sup>a</sup>	Approx. Length (feet)	Approx. Width (feet) <sup>b</sup>
PAR-MLV-9	9.7	Permanent (MLV Site #9)	Existing gravel road / Forested land	Grading and gravel	178	10
PAR-F-19	12.8	Permanent (Benton RS)	Open land	Gravel	12	25
PAR-F-20	24.2	Permanent (McArthur RS)	Forested land	Clearing, grading, and gravel	686	20
PAR-F-11	24.2	Permanent (McArthur RS)	Existing dirt road / Forested land	Clearing, grading, and gravel	541	20
<b>BM-111 Loop</b>						
PAR-F-24	2.85	Permanent (Ceredo CS)	Existing gravel road	Gravel	37	20
<b>Existing Columbia Pipeline System</b>						
PAR-F-14	51.5 <sup>d</sup>	Permanent (Oak Hill CS)	Agricultural land	Grading and gravel	712	24
PAR-F-25	0.0 <sup>d</sup>	Permanent (Crawford CD regulator valve facility)	Open land	Grading and gravel	46	16
TAR-F-15	51.5 <sup>c</sup>	Temporary (Oak Hill CS)	Existing farm road (Mining Haul Rd) / Agricultural land	Existing – grading New –grading and gravel	2,174	20-60
PAR-F-16	51.5 <sup>c</sup>	Permanent (Oak Hill CS)	Agricultural land / Forested land	Clearing, grading, and gravel	1,849	16
PAR-F-12	34.7 <sup>c</sup>	Permanent (R-486 OS)	Agricultural land	Grading and gravel	370	20
PAR-F-13	37.1 <sup>c</sup>	Permanent (R-130 OS)	Existing driveway / Open land	Grading and gravel	63	16
TAR-F-17	53.7 <sup>c</sup>	Temporary (R-543 OS)	Existing gravel road	None	123	20
<sup>a</sup> All temporary access roads will be utilized during the construction phase only and returned to pre-construction conditions following Project completion. Any upgrade requirements listed for permanent access roads reflect the permanent disposition of the road, as needed to maintain access during operation of the Project facilities. <sup>b</sup> Approximate width corresponds to the average width of the proposed access road; however, an expanded width across short distances may be required in specific locations to accommodate safe turning areas for construction equipment. <sup>c</sup> Milepost is associated with Columbia's existing Line R-501.						