

APPENDIX E

Access Roads

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APPENDIX E-1

Access Roads

Mountain Valley Project

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APPENDIX E-1

Access Roads for the Mountain Valley Project

ID	MP	Owner- ship <u>a/</u>	Type <u>b/</u>	Status <u>c/</u>	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
WEST VIRGINIA																
Wetzel County																
MVP-WE-001	0	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	25	25	40	15	Operations maintenance	N/A	89%	3.07	
MVP-WE-000	0	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	.03	40	25	40	15	Perm. Access to Mobley Interconnect Facility	N/A	100%	0.18	
MVP-WE-003	0.7	P	Temp	N	Dirt	New Construction	0.0	0	25	40	40	Access from county route to ATWS and road crossing	N/A	N/A	N/A	
MVP-WE-004	0.8	P	Temp	N	Dirt	New Construction	0.0	0	25	40	40	Access from county route to stream crossing at toe of slope	TBD	N/A	N/A	
MVP-WE-005	1.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.66	25	25	40	15	Operations maintenance	N/A	75%	2.42	

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Appendix E-1

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-WE-006	1.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel. Access to north side of stream crossings as well as toe of steep slope	N/A	75%	0.36	
MVP-008.0 1A	1.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.13	8	25	40	32	Access to south side of road crossing	N/A	75	0.36	
MVP-WE-008.0 2	2.7	S	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.8	8	25	40	32	MLV2 Bradshaw CS	N/A	100%	3.85	
MVP-WE-011	4.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	N/A	75%	1.75	
MVP-WE-012	4.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel. Access to mid-point of hill.	N/A	75%	1.00	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WE-013	5.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Operations maintenance	N/A	75%	1.43
MVP-WE-014.0 2	6.5	P	Perm	E	Grass	New Construction	0.02	0	25	40	40	Access to Ground Bed MVP-CP-GB-01B	N/A	N/A	N/A
MVP-WE-014.0 1	6.6	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.20	12	25	40	28	Operations Maintenance	N/A	50%	0.48
MVP-WE-014	6.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	2.0	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	70%	6.85
MVP-WE-015	7.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	4.40
MVP-WE-016	8.7	P	Perm	E	Dirt/Gravel	Roadway Widening, Grading, Stabilization	0.9	8	25	40	32	Operations maintenance	N/A	75%	3.22

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
Harrison County																
MVP-HA-018	9.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	25	25	40	15	Mobilization of construction material. Safe ingress/ egress of construction personnel	N/A	100%	4.36	
MVP-HA-019	12	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.28	12	25	40	28	Operations Maintenance	N/A	100%	1.38	
MVP-HA-020	13	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.46	12	25	40	28	Operations maintenance	N/A	100%	2.25	
MVP-MLV-AR-03	15.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.02	8	25	40	32	MLV 3	permanent access to MLV 3	100%	0.08	
MVP-HA-022	15.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	15	25	40	25	Operations Maintenance	N/A	30%	0.44	
MVP-MLV-AR-04	15	P	Perm	N	Dirt	New Construction	0.2	0	25	40	40	MLV4	MLV4	N/A	N/A	
MVP-HA-024	16.2	S/P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.09	12	25	40	28	Mobilization of construction material. Safe ingress and egress of construction personnel	N/A	50%	2.86	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

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MVP-HA-025	18.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Operations Maintenance	N/A	100%	1.66
MVP-HA-026	18.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	25	25	40	15	Operations maintenance	N/A	78%	1.54
MVP-HA-027	20.7	P	Temp	N	Dirt	New Construction	0.1	0	25	40	40	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A
MVP-HA-028	21.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	75%	1.32
MVP-HA-28.01	21.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	.07	8	25	40	32	Mobilization of Construction Personnel	N/A	100%	0.33
MVP-HA-029	22.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	40	25	40	0	Operations maintenance	N/A	100%	2.23
MVP-HA-029.03	22.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.28	20	25	40	20	Mobilization of Construction Personnel	N/A	100%	1.36

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

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MVP-HA-029.05	23	P	Perm	E	Dirt	Roadway Widening, grading, Stabilization	0.04	8	25	40	32	Operations Maintenance	N/A	100%	0.22
MVP-HA-029.04	23	P	Temp	E	Gravel/Grass	Roadway Widening, Grading, Stabilization	0.09	10	25	40	30	Mobilization of Construction Personnel	N/A	75%	0.34
MVP-HA-031	23.6	P	Perm	N	Dirt	New Construction	0.25	0	25	40	40	Sherwood Int.	Sherwood Int.	N/A	N/A
MVP-HA-031.01	23.6	P	Temp	E	Dirt	Roadway Grading	0.36	20	25	40	20	Mobilization of Construction Material. Safety ingress and egress of construction personnel	Sherwood Int.	N/A	1.32
MVP-HA-032	25	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.97	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel. Access road provides ridgetop access to the north side of US RT 50	N/A	50%	2.35

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

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MVP-HA-032.01	25.8	P	Perm	E	Gravel	Roadway, Widening, Grading, Stabilization	0.02	12	25	40	28	Operations maintenance	N/A	50%	.06
MVP-HA-033	26.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel. Access road provides ridgetop access to south side of US RT 50	N/A	100%	2.03
MVP-HA-034	28.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-HA-035	29.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.51

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
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MVP-HA-036	29.3	P	Temp	N	Dirt	New Construction	0.1	N/A	25	40	N/A	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A	
MVP-HA-036.01	30.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.05	15	25	40	25	Operations Maintenance	N/A	25%	0.06	
MVP-HA-040	30.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00	
MVP-DO-041	31.8	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.36	25	25	40	15	Operations maintenance	N/A	40%	0.69	
MVP-HA-041.01	32.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.03	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.17	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

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MVP-HA-042	32.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.02	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-HA-043	33.1	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Operations maintenance	N/A	50%	0.33
MVP-DO-044	34	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.16
Doddridge County															
MVP-DO-046	34.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-MLV-AR-05	34	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	MLV5	permanent access to MLV 5	N/A	N/A

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-DO-047	34.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-DO-048	34.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Entry of construction personnel, equipment, and material. Allows for access to public areas for emergency response if necessary. Improved work area safety	N/A	0%	0%
MVP-DO-049	35.8	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Operations maintenance	N/A	50%	0.34

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-HA-050	37.2	P	Temp	N	Dirt	New Construction	0.9	0	25	40	40	Entry of construction personnel, equipment and material. Allows for access to public areas for emergency response if necessary. Improved work area safety.	N/A	N/A	N/A
MVP-HA-051	38.05	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.34
Lewis County															
MVP-LE-054	39.8	P	Perm	N	Dirt	New Construction	0.5	0	25	40	40	Operations maintenance	N/A	N/A	N/A

APPENDIX E-1 (continued)

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MVP-LE-055	41.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides secluded ridgetop access	N/A	10%	0.29
MVP-LE-056	42.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Operations Maintenance	N/A	0%	0.00
MVP-LE-057	43.2	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	12	25	40	28	Operations maintenance	N/A	0%	0.00
MVP-LE-057.0 1	43.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.87
MVP-LE-057.0 2	43.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.73

APPENDIX E-1 (continued)

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MVP-LE-057.03	43.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.03	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel.	N/A	75%	0.10
MVP-LE-060	44.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Operations maintenance	N/A	0%	0.00
MVP-LE-061	44.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides access to top of steep slope.	N/A	10%	0.08
MVP-LE-062	45.1	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.9	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	11%	0.48

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MVP-LE-063	45.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	60%	0.61	
MVP-LE-064	45.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00	
MVP-LE-065	45.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.36	
MVP-LE-066	46.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	25	25	40	15	Operations maintenance	N/A	0%	0.00	
MVP-LE-066.02	46.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of Construction material and personnel	N/A	25%	0.15	

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MVP-LE-066.0 1	46.8	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	2.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides ridgetop access	N/A	0%	0.00
MVP-LE-067	47.8	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations Maintenance	N/A	25%	0.19
MVP-LE-068	48	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.6	8	25	40	32	Operations maintenance	N/A	50%	1.49
MVP-LE-069	51	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.18
MVP-LE-069.0 1	50.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.07

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Appendix E-1

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MVP-LE-070	51.7	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	10	25	40	30	Operations Maintenance	N/A	25%	1.26	
MVP-MLV-AR-006	53	P	Perm	N	Dirt	New Construction	0.08	N/A	25	40	N/A	MLV 6	Access to MLV-6	N/A	N/A	
MVP-LE-071	53.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Operations maintenance	N/A	25%	0.04	
MVP-LE-072	53.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00	
MVP-LE-073	55	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations Maintenance	N/A	0%	0.00	
MVP-LE-073.0 1	55.1	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Operations maintenance	N/A	50%	0.78	
MVP-LE-073.0 2	55.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of Construction Material. Safe ingress and egress of construction personnel	N/A	50%	0.25	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-074	59.2	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Operations maintenance	N/A	50%	1.23
MVP-LE-075.01	59.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	.03	10	25	40	30	Mobilization of construction personnel and Material	N/A	0	0
MVP-LE-075	59.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.1	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	2.68
MVP-LE-076	59.7	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	15	25	40	25	Operations Maintenance	N/A	30%	1.23
MVP-LE-077	60.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides necessary access to the north side of interstate 79	N/A	100%	0.74

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Appendix E-1

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-LE-077.0 1	61.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.7	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	40%	3.29
MVP-LE-077.0 2	61.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	4.82
MVP-LE-077.0 3	62.8	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Operations maintenance	N/A	100%	3.05
MVP-LE-083	62.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	100%	1.69
MVP-LE-084	65.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.78
MVP-MLV-AR-07	64.68	P	Perm	N	N	New Construction	0.0	N/A	25	40	N/A	MLV 7	Access to MLV-07	N/A	N/A

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
Braxton County																
MVP-MLV-AR-08	65.4	P	Perm	N	Dirt	New Construction	0.0	N/A	25	40	TBD	MLV 8	Access to MLV-08	N/A	N/A	
MVP-BR-086.0 1	67	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	.30	10	25	40	N/A	Operations maintenance	N/A	50%	0.75	
MVP-BR-087	67.7	S	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Operations maintenance	N/A	50%	1.32	
MVP-BR-088	68.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	2.20	
MVP-BR-089.0 1	68.8	P	Temp	E	Dirt	New	0.01	N/A	25	40	N/A	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A	
MVP-BR-90.01	69.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	10	25	40	30	Operations Maintenance	TBD	50%	2.44	

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-BR-90.02	70.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.61	10	25	40	30	Mobilization of construction personnel	N/A	75%	2.24
MVP-BR-092.01	71.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.14
MVP-BR-095	72.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	15	25	40	25	Operations maintenance	N/A	10%	0.11
MVP-BR-095.01	72	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	15	25	40	25	Mobilization of construction personnel	N/A	75%	0.80
MVP-BR-094	72	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.35
MVP-BR-093	71.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.54

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-BR-097	72.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.90
MVP-BR-096	72.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.51
MVP-BR-098	73.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.8	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.91
MVP-BR-099	73.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	18	25	40	22	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.40
MVP-BR-099.0 1	73.75	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.01	18	25	40	22	Operations Maintenance	N/A	100%	0.01

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-BR-100	74	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.69
MVP-BR-101	74.4	S/P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	50%	0.39
MVP-BR-103	74.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.5	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.71
MVP-BR-103.01	74.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.3	10	25	40	30	Mobilization of construction personnel	N/A	75%	4.78
MVP-ANC-001	75.3	P	Temp	E	Asphalt	N/A	0.24	17	25	40	23	Access into ancillary site	N/A	0	0
MVP-BR-104	76.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	50%	1.00

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-BR-104.0 1	76.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.03	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.15
MVP-BR-105	77.2	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	10%	0.05
MVP-BR-105.0 3	77.3	P	Perm	N	Dirt	New Construction	0.14	0	25	40	0	Access into Harris compressor station	N/A	N/A	N/A
MVP-BR-105.0 2	77.5	P	Perm	N	Dirt	New Construction	0.09	0	25	40	0	Access into WB Interconnect	N/A	N/A	N/A
MVP-BR-106	78	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.5	9	25	40	31	Operations maintenance	N/A	100%	2.53
Webster County															
MVP-WB-107	80.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	6	25	40	34	Operations maintenance	N/A	50%	0.83
MVP-WB-110.0 1	80.8	P	Temp	E	Dirt	Roadway widening, Grading, Stabilization	0.02	10	25	40	30	Mobilization of construction personnel	N/A	50%	0.09
MVP-WB-110	80.8	P	Temp	E	Dirt	Roadway widening, Grading, Stabilization	0.15	10	25	40	30	Mobilization of construction personnel	N/A	75%	0.54

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-108	81	P	Temp	E	Gravel/Dirt	Roadway widening, Grading, Stabilization	0.46	12	25	40	28	Mobilization of construction personnel	N/A	25%	0.56
MVP-WB-111	81.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel to south side of wetland and stream crossings	N/A	50%	0.51
MVP-WB-113	82.05	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	Operations maintenance	N/A	N/A	N/A
MVP-WB-114	82.5	P	Temp	E	Rock/Dirt	Roadway Widening, Grading, Stabilization	0.38	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.92
MVP-WB-114.01	82.3	P	Temp	N	Dirt	New Construction	0.04	N/A	25	40	N/A	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-116	83.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.0	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	2.46
MVP-WB-117	83.7	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.6	8	25	40	32	Operations maintenance	N/A	50%	3.91
MVP-WB-117.0 1	83.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.17
MVP-WB-119	86.2	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	3.8	16	25	40	24	Operations maintenance	N/A	10%	1.83
MVP-WB-119.0 1		P	Temp	E	Gravel/ Dirt	Roadway Widening, grading, Stabilization	0.06	16	25	40	24	Mobilization of construction personnel	N/A	10%	0.03
MVP-WB-121	90.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	3.56	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	1.73

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-120.01	89.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	2.9	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	3.46
MVP-WB-122	90.7	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.39
MVP-WB-123	91.8	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	6.5	15	25	40	25	Operations maintenance	N/A	15%	4.69
MVP-WB-124	92.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.37	12	25	40	28	Mobilization of construction personnel to stream crossing	TBD	75%	1.35
MVP-WB-125	92.7	S/P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	1.0	15	25	40	25	Operations Maintenance	N/A	90%	4.23
MVP-MLV-AR-010	93.0	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	MLV10	N/A	10%	0.12

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-WB-126.01	95.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	15	25	40	25	Operations maintenance	N/A	50%	1.35
MVP-WB-127	97.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.14
MVP-WB-128	98.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	5	25	40	35	Operations Maintenance	N/A	50%	1.35
MVP-MLV-AR-11	98.7	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	MLV 11	N/A	N/A	N/A
MVP-WB-129	98.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.39
MVP-MLV-AR-12	102.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.10	10	25	40	30	MLV 12	N/A	100%	0.49

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-WB-131	103.4	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.24	
MVP-WB-131.0 1	103.4	P	Perm	E	Gravel	Operations Maintenance	0.6	12	25	40	28	Operations Maintenance	N/A	10%	0.31	
MVP-WB-131.0 2	103.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.06	12	25	40	28	Operations maintenance	N/A	100%	0.29	
MVP-WB-131.0 3	103.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.38	12	25	40	28	Mobilization of construction personnel	N/A	75%	1.40	
MVP-WB-132	104.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides access to several miles of ridgetop.	N/A	25%	0.87	
MVP-WB-132.0 1	104.9	P	Temp	E	Gravel/Grass	Roadway Widening, Grading, Stabilization	0.09	10	25	40	30	Mobilization of construction personnel	N/A	50%	0.22	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-WB-133	107.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	6	25	40	34	Operations maintenance	N/A	50%	1.14	
MVP-WB-134	109.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.49	
Nicholas County																
MVP-NI-136	110.0	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	20%	0.22	
MVP-NI-136.01	111.2	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.014	10	25	40	30	Operations maintenance	N/A	10%	0.07	
MVP-MLV-AR-13	111.3	P	Perm	N	Dirt	Roadway Widening, Grading, Stabilization	0.02	N/A	25	40	N/A	MLV 13	N/A	N/A	N/A	
MVP-NI-139	111.8	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.26	12	25	40	28	Operations maintenance	TBD	20%	0.25	

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-140	112.7	P	Temp	E	Asphalt/Gravel	Roadway Widening, Grading, Stabilization	0.66	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	0.80
MVP-NI-141.01	113.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.23	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.56
MVP-NI-145.01	115.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.41	8	25	40	32	Operations maintenance	N/A	100%	1.98
MVP-NI-146	116.1	P	Temp	E	Dirt/Asphalt	Roadway Widening, Grading, Stabilization	0.9	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	4.5
MVP-NI-147	116.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.98	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.44

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-148	116.75	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.37
MVP-NI-148.01	117.6	P	Temp	E	Rock	Roadway Widening, Grading, Stabilization	0.26	15	25	40	25	Mobilization of construction personnel	N/A	50%	0.77
MVP-NI-149	117.6	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.26	30	25	40	10	Operations maintenance	N/A	50%	0.77
MVP-NI-151	119.0	P	Perm	E	Gravel	Operations Maintenance	1.4	18	25	40	22	Operations Maintenance	N/A	10%	0.66
MVP-NI-151.01	119.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.63	20	25	40	20	Mobilization of Construction personnel	N/A	10%	0.30
MVP-NI-152	119.5	P	Temp	N	Dirt	New Construction	0.2	0	25	40	40	Mobilization of construction personnel	N/A	N/A	N/A
MVP-NI-153	120.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.68	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.64

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-153.0 1	120.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.02	12	25	40	28	Mobilization of construction personnel	TBD	25%	0.03
MVP-MLV-AR-14	120.3	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	2.92	12	25	40	28	MLV14	N/A	5%	0.71
MVP-NI-154.0 1	120.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.13
MVP-NI-155	123.2	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	75%	0.85
MVP-NI-156	123.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	5.7	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	27.76
MVP-NI-157	124.0	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Operations maintenance	N/A	60%	2.41

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-158	124.6	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.35
MVP-NI-158.01	125.3	P	Temp	E	Rock/Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	40%	0.36
MVP-NI-160	126.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.4	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	5%	0.10
MVP-NI-159	126.7	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	3.5	30	25	40	10	Operations maintenance	N/A	5%	0.85
MVP-NI-159.01	125.9	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	1.1	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	4.02

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-NI-160.01	126.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	40	25	40	0	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.34	
MVP-NI-161	127.0	P	Perm	E	Asphalt/ Dirt	Roadway Widening, Grading, Stabilization	1.6	30	25	40	10	Operations maintenance	N/A	50%	3.77	
MVP-NI-163	129.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.14	
MVP-NI-164	130.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.82	
MVP-NI-166	130.5	S/P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.5	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.24	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-NI-167	131.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.59
MVP-NI-168	131.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations maintenance	N/A	50%	0.68
MVP-NI-170	132.9	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Operations maintenance	N/A	90%	1.73
MVP-NI-171	133.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	0.59
MVP-NI-172	133.4	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	25%	0.06

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
Greenbrier County																
MVP-GB-174	135.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.01	
MVP-GB-174.0 1	136.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.08	
MVP-GB-174.0 3	136.8	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	1.72	15	25	40	25	Mobilization of construction personnel	N/A	10%	0.83	
MVP-GB-176	137.6	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.7	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.35	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GB-177	138.6	P	Temp	E	TBD	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.26
MVP-MLV-AR-15	138.7	S/P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.77	15	25	40	25	MLV15	N/A	5%	0.19
MVP-GB-178	138.7	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	3.5	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	8.49
MVP-GB-178.01	139.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.17	20	25	40	20	Mobilization of construction personnel	N/A	5%	.04
MVP-GB-179	140.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.45	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.09
MVP-GB-179.01	140.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.55	18	25	40	2	Mobilization of construction personnel	TBD	70%	5.24

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-MLV-AR-16	140.9	P	Perm	N	Dirt	New Construction	0.03	N/A	25	40	N/A	MLV 16	N/A	N/A	N/A	
MVP-GB-182	143.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.7	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	30%	2.46	
MVP-GB-183	143.9	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel to north side of highway 60 crossing and river crossing	N/A	15%	0.05	
MVP-MLV-AR-17	143.9	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.19	10	25	40	30	MLV17	N/A	30%	0.27	
MVP-MLV-AR-18	144.1	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.03	20	25	40	20	MLV 18	N/A	25%	0.01	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GB-184	145.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.80	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.97
MVP-GB-184.01	145.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.15	15	25	40	25	Mobilization of construction personnel	TBD	50%	0.35
MVP-GB-185	147.0	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	10%	0.07
MVP-GB-186	147.1	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	50%	0.22
MVP-GB-187	148.7	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.94	12	25	40	28	Operations maintenance	N/A	25%	0.27
MVP-GB-187.01	148.1	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.83

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GB-187.0 2	148.0	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.51
MVP-GB-187.0 3	148.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.39
MVP-GB-188	148.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Operations maintenance	N/A	50%	0.39
MVP-GB-189	149.9	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.6	15	25	40	25	Operations maintenance	TBD	75%	2.27
MVP-GB-190	150.6	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	90%	2.70

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GB-190.0 1	154.4	P	Perm	N	Dirt	New Construction	0.4	0	25	40	40	MLV19 / Stallworth CS	Permanent access for MLV 19 and Stallworth Compressor Station	N/A	N/A
MVP-GB-190.0 2	154.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.27	12	25	40	28	Mobilization of construction personnel	N/A	100%	1.30
MVP-GB-193.0 1	155.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.34	10	25	40	30	Mobilization of construction personnel	N/A	50%	0.82
MVP-GB-193	155.6	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations Maintenance	N/A	50%	0.79
MVP-GB-194	156.5	S/P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	80%	1.48
MVP-GB-196	157.0	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.21
Summers County															
MVP-SU-195	157.3	S/P	Perm	E	Asphalt	Roadway Widening, Grading, Stabilization	0.30	12	25	40	28	Operations maintenance	N/A	10%	0.15

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Appendix E-1

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Ownership	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-SU-197	158.7	P	Perm	N	Dirt	New Construction	0.1	0	25	40	40	Operations maintenance	N/A	N/A	N/A	
MVP-SU-197.01	161.2	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.32	15	25	40	25	Operations Maintenance	N/A	100%	1.54	
MVP-SU-198	161.2	P	Temp	E	Rock/Dirt	Roadway Widening, Grading, Stabilization	1.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	7.30	
MVP-SU-199	161.7	S/P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	2.0	20	25	40	20	Operations maintenance	N/A	50%	4.74	
MVP-SU-200	162.9	P	Temp	TBD	TBD	Roadway Widening, Grading, Stabilization	2.10	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	6.03	
MVP-SU-201	165.4	P	Temp	E	Rock/Dirt	Roadway Widening, Grading, Stabilization	1.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	5.90	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-SU-202	166.0	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.8	10%	25	40	30	Mobilization of construction material. Mobilization of construction personnel	N/A	80%	3.16
MVP-SU-205	171.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.78
MVP-MLV-AR-20	170.0	P	Perm	N	Dirt	New Construction	0.0	N/A	25	40	N/A	MLV20	Permanent access to MLV20	N/A	N/A
MVP-MLV-AR-21	171.9	P	Perm	N	Dirt	New Construction	0.0	N/A	25	40	N/A	MLV 21	Permanent access to MLV21	N/A	N/A
MVP-SU-207	171.7	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.67	10	25	40	30	Operations Maintenance	N/A	75%	2.45
MVP-SU-208	172.2	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	80%	1.64

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-SU-208.0 1	172.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.33	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	85%	1.43	
Monroe County																
MVP-MO-210	175.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.5	10	25	40	30	Mobilization of construction personnel	N/A	50%	3.46	
MVP-MO-211	176.3	S	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	90%	2.23	
MVP-MO-212	176.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	95%	5.10	
MVP-MO-213	177.0	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.4	10	25	40	30	Operations maintenance	N/A	70%	4.59	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MO-214	177.4	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	1.75
MVP-MO-215	177.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	15	25	40	25	Mobilization of construction personnel	N/A	85%	2.11
MVP-MO-216	179.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	0.82
MVP-MO-217	180.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	25%	0.44
MVP-MO-218	182.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	TBD	25	40	TBD	Operations Maintenance	N/A	50%	1.09
MVP-MO-220	184.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	15	25	40	25	Operations maintenance	N/A	50%	1.39

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Ownership	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MO-221	185.2	P	Temp	E	Grass/Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.54
MVP-MO-223	185.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.40
MVP-MLV-AR-22	186.4	P	Perm	N	Dirt	New Construction	0.0	N/A	25	40	N/A	MLV-22	N/A	N/A	N/A
MVP-MO-224	187.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Operations maintenance	N/A	75%	1.8
MVP-MO-225	187.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	2.12

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MO-226	186.4	P	Temp	N	Dirt	New Construction	0.3	N/A	25	40	N/A	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A
MVP-MO-227	188.4	S	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.7	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.7
MVP-MO-227.0 1	190	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.15	10	25	40	30	Operations Maintenance	N/A	75%	0.56
MVP-MO-227.0 2	190.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.22	8	25	40	32	Mobilization of construction personnel	N/A	100%	1.09
MVP-MO-228	189.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.92	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	3.35

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Appendix E-1

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MO-230	191.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.19	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.47
MVP-MO-231.01	193.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.21	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.50
VIRGINIA															
Giles County															
MVP-GI-231	197.8	Private /USFS	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.14	10	25	40	30	Operations Maintenance	N/A	50%	2.79
MVP-GI-232	197.8	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	6.24	12	25	40	60	Operations maintenance	N/A	10%	3.02
MVP-GI-234	198.8	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	11	25	40	29	Operations maintenance	N/A	60%	1.40

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GI-235	199.1	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.5	11	25	40	29	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	60%	1.42
MVP-GI-236	199.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	11	25	40	29	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.56
MVP-MLV-AR-23	199.4	P	Perm	N	Dirt	New Construction	0.04	N/A	25	40	N/A	MLV-23	N/A	N/A	N/A
MVP-GI-237	199.7	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.54	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	70%	1.84
MVP-GI-238	200.5	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.39

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-MLV-AR-24	201.5	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.49	10	25	40	30	MLV-24	N/A	25%	0.60	
MVP-GI-240	201.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	18	25	40	22	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.19	
MVP-GI-241	202.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.23	
MVP-GI-241.0 1	202.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	N/A	25%	1.24	
MVP-GI-241.0 4	202.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safe ingress and egress of construction ingress and egress.	N/A	25%	0.66	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GI-241.0 2	204.3	P	Temp	E	gravel	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of Construction material. Safe ingress and egress of construction personnel.	N/A	10%	0.10
MVP-GI-241.0 3	204.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.57	10	25	40	30	Mobilization of Construction Material. Safe ingress and egress of construction personnel.	N/A	65%	1.80
MVP-GI-242	207.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.02
MVP-GI-242.0 1	207.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilizing	0.89	10	25	40	30	Mobilization of construction material. Safe ingress and egress of construction personnel.	N/A	90%	3.86

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-243.0 1	208.3	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	75%	2.26
MVP-GI-244	208.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.11
MVP-GI-245.0 1	209.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.16
MVP-GI-245.0 2	209.9	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.40

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-GI-245.0 2A	209.9	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.01	12	25	40	28	Mobilization of construction material. Mobilization of construction personnel.	N/A	50%	0.02
MVP-GI-249	210.9	P	Perm	E	Asphalt	Roadway Widening, Grading, Stabilization	0.4	8	25	40	32	Operations maintenance	N/A	10%	0.20
MVP-GI-249.0 1	211.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.12	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.28
MVP-GI-249.0 2	211.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.08
MVP-GI-249.0 3	211.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.05	10	25	40	30	Operations Maintenance	N/A	25%	0.08
MVP-MLV-AR-25	212.35	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.17	15	25	40	25	MLV25	N/A	25%	0.03

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-GI-253.0 1	213.3	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Operations Maintenance	N/A	25%	0.77	
MVP-GI-253.0 2	213.7	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	0.8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	0.55	
MVP-GI-253.0 3	212.9	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of material. Mobilization of construction personnel	N/A	80%	1.16	
MVP-GI-256	213.1	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.14	9	25	40	31	Operations maintenance	N/A	25%	0.17	
MVP-GI-256.0 1	214.9	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.16	9	25	40	31	Mobilization of material. Mobilization of construction personnel	N/A	50%	0.38	
MVP-GI-256.0 2	214.3	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.81	9	25	40	31	Mobilization of material. Mobilization of construction personnel	N/A	50%	1.96	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
Craig County															
MVP-CR-258.0 1	215.6	P	Temp	E	Asphalt/ Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.14
MVP-CR-258.0 2	216.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.88
Montgomery County															
MVP-MN-258.0 3	218.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.04	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.09
MVP-MN-258.0 4	218.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.30

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-258.05	219.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.12
MVP-MN-262.01	222	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.57	10	25	40	30	Mobilization of construction material and equipment. Mobilization of construction personnel.	N/A	25%	0.69
MVP-MLV-AR-26	222.11	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.7	12	25	40	28	MLV26	Permanent access to MLV26	25%	0.81
MVP-MN-266	227	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.6	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.92
MVP-MN-266.02	224.3	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.78	8	25	40	32	Mobilization of construction material and equipment. Mobilization of construction personnel.	N/A	75%	2.83

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-266.03	225.6	P	Temp	E	Gravel	Roadway Widening, Grading, and Stabilizing	0.68	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	65%	2.14
MVP-MN-268	227.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	100%	1.87
MVP-MN-270	228.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	60%	3.42
MVP-MN-270.01	229.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.28	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	15%	0.20
MVP-MN-271	229.3	P	Perm	E	Asphalt/ Dirt	Roadway Widening, Grading, Stabilization	0.16	6.5	25	40	34	Operations maintenance	N/A	10%	0.08

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Appendix E-1

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-272	229.9	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.18
MVP-MN-273	230.12	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.17
MVP-MN-274	230.8	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.06	8	25	40	32	Operations Maintenance	N/A	25%	0.07
MVP-MN-274.01	229.1	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MN-275	229.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Operations maintenance	TBD	25%	0.14
MVP-MN-276	230	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	2.3	12	25	40	28	Operations maintenance	TBD	15%	1.67

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MN-276.0 1	230	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	2.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	2.57
MVP-ANC-002	231.3	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MN-277	232.4	P	Perm	TBD	TBD	TBD	1.0	TBD	25	40	TBD	Operations maintenance and access to north side of i-81 crossing	TBD	TBD	TBD
MVP-MN-278	233.5		Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MN-279	233.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	TBD	15%	0.37

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Ownership	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-27	233.55	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	MLV27	N/A	TBD	TBD
MVP-MLV-AR-028	234.5	P	Perm	TBD	TBD	TBD	1.0	TBD	25	40	TBD	MLV-28	TBD	TBD	TBD
MVP-MN-278.01	235.5	P	Temp	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
Roanoke County															
MVP-RO-279.04 d/	237.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	100%	1.99
MVP-RO-280	238.5	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.7	18	25	40	22	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.76
MVP-RO-281	239.1	P	Perm	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-RO-282	239.6	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-RO-283	240.5	P	Perm	TBD	TBD	TBD	0.9	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-RO-285	242.2	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-RO-286	242.4	P	Perm	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-RO-287	243.3	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-RO-288	243.6	P	Temp	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

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Appendix E-1

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
Franklin County																
MVP-FR-289	244.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.91	
MVP-FR-290	245.1	P	Perm	N	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.7	10	25	40	30	Operations maintenance	N/A	N/A	N/A	
MVP-FR-291	246.2	P	Temp	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD	
MVP-FR-292	246.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.50	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-293	247.1	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.03
MVP-MLV-AR-29	247.13	P	Perm	E/N	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.0	15	25	40	25	MLV29	Permanent access to MLV29	50%	0.08
MVP-FR-293.0 1	248.6	S	Perm	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-293.0 2	251.8	P	Perm	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-294	253.5	P	Temp	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD

APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads	
MVP-FR-295	255.3	S/P	Temp	TBD	TBD	TBD	1.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD	
MVP-FR-296	256.4	P	Perm	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD	
MVP-MLV-AR-30	256.7	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 30	TBD	TBD	TBD	
MVP-FR-297	256.9	P	Temp	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD	
MVP-FR-299	257.9	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD	

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-300	258.4	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.3	10	25	40	40	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.74
MVP-FR-301	258.9	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-302	259.2	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	Operations maintenance	TBD	N/A	N/A
MVP-FR-303	259.4	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-303.01	259.7	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	1.55

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Ownership	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-305	261.2	P	Temp	TBD	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-FR-306	261.9	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.07
MVP-MLV-AR-31	262.4	P	Perm	TBD	TBD	TBD	0.4	TBD	25	40	TBD	MLV 31	TBD	TBD	TBD
MVP-FR-307	263.3	P	Perm	E	Asphalt/Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	50%	0.45
MVP-FR-308	264.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.12

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Ownership	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-308.0 1	264.5	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.22
MVP-FR-309A (same as 309.0 2)	264.5	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.19
MVP-FR-309	264.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.16
MVP-FR-309.0 1	264.6	P	Temp	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.29
MVP-FR-310	265.9	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations maintenance	N/A	80%	1.23

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-311	266.3	P	Temp	E	Asphalt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	0%	0.00
MVP-FR-312	266.6	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.0	13	25	40	27	N/a	N/A	N/A	N/A
MVP-MLV-AR-32	266.62	P	Perm	N	Dirt	New Construction	0.1	12	25	40	28	MLV32	Permanent access to MLV32	N/A	N/A
MVP-FR-313	267.3	S/P	Perm	E	Asphalt/Dirt	Roadway Widening, Grading, Stabilization	0.7	12	25	40	28	Operations maintenance	N/A	20%	0.69
MVP-FR-314	269.1	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.34
MVP-FR-315	269.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations maintenance	N/A	25%	0.30

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-FR-316	270.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.20
MVP-FR-317	272	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.06
MVP-FR-318	273.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.41
MVP-FR-319	274.1	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.09

APPENDIX E-1 (continued)															
Access Roads for the Mountain Valley Project															
ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-AR-319.0 1	273.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.14
MVP-FR-320	275	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.20
MVP-FR-321	275.8	P	Perm	E	Gravel/ Dirt	Roadway Widening, Grading, Stabilization	0.3	12	25	40	28	Operations maintenance	N/A	10%	0.16
MVP-FR-322	276.8	S	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.24
MVP-FR-323	277.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.24

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-MLV-AR-33	280.8	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 33	TBD	TBD	TBD
MVP-FR-324	281	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	25%	0.22
Pittsylvania County															
MVP-PI-325	282.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	14	25	40	26	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.14
MVP-PI-326	283.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	50%	0.28
MVP-PI-328	285.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	1.11

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-PI-331	286.6	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	0.19
MVP-PI-330	286.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.78
MVP-PI-329	286.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	75%	1.39
MVP-PI-332	287.8	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	10%	0.07
MVP-MLV-AR-34	293.4	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV34	N/A	TBD	TBD
MVP-PI-336	293.8	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	25%	0.24

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
MVP-PI-337	295	P	Perm	E	Asphalt/Gravel	Roadway Widening, Grading, Stabilization	0.1	14	25	40	26	Operations maintenance	N/A	10%	0.07
MVP-PI-338	295.4	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	8	25	40	32	Operations maintenance	N/A	50%	0.79
MVP-MLV-AR-35		P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV35	TBD	TBD	TBD
MVP-PI-339	296.9	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	14	25	40	26	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	0.45
MVP-PI-340	297.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	14	25	40	26	Operations maintenance	N/A	25%	0.21
MVP-PI-342	300.8	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.3	18	25	40	22	Transco Interconnect	TBD	10%	0.16
MVP-PI-342.01	301	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Transco Interconnect/MLV 36	TBD	100%	0.27

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

ID	MP	Owner-ship	Type	Status	Existing Surface Type	Proposed Mods.	Length (Miles)	Existing Road Width (Feet)	Proposed Width of Driveway (Feet)	Max. Proposed Width of Easement (Feet)	Land Disturbance Beyond the Existing Footprint of an Existing Road	Site Specific Justification (Permanent and Temporary Access Roads)	Justification for All New Temporary and Permanent Access Roads in Wetlands, Open Water or Upland Forest	Percentage of Existing Road to be Improved	Anticipated Acres of Improvements for Existing Access Roads
<p>Note: Roads identified with a status of "TBD" have been identified for potential use; however, surveys have not been able to be performed due to landowner access restrictions. Information on these roads will be provided when available.</p> <p><u>a/</u> P = Private, S = State, S/P = State/Private</p> <p><u>b/</u> Perm = Permanent, Temp = Temporary</p> <p><u>c/</u> E = Existing, N = New, E/N = Existing/New</p> <p><u>d/</u> Removed by recommendation in sections 3.0 and 5.2.</p>															

APPENDIX E-2

Access Roads

Equitrans Expansion Project

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APPENDIX E-2

Access Roads for the Equitrans Expansion Project

Project Component	Name	MP	Ownership <u>a/</u>	Type <u>b/</u>	Status <u>c/</u>	Existing / Proposed Surface Type	Proposed Mods.	Length (feet)	Width (feet)	Width During Construction (feet)	ROW Width (feet)	Temporary Impact	Permanent Impact	Acres	Land Use	Justification for Permanent Access Roads
PENNSYLVANIA																
Greene County																
H158	H158 M80 AR 01	0.0	P	Temp	E	Gravel	Add stone and widen	413	15	25	25	-	None	0.2	Pasture/Hay	-
H158/M80	H158 M80 AR 02	0.1	P	Temp	N	Gravel	Add stone and widen	559	10	25	25	-	None	0.0	Deciduous Forest	-
														0.2	Developed, Open Space	
														0.1	Pasture/Hay	
H305	H305 AR 01	0.1	P	Perm	E	Gravel	Add stone and widen	907	20	25	25	-	None	0.3	Deciduous Forest	Permanent road to H305 Receiver Site
														0.2	Pasture/Hay	
H316	H316 AR 01	0.1	P	Temp	N	Grass / Gravel	Add stone for construction entrance	313	0	20	25	-	None	0.1	Developed, Open Space	-
														0.1	Pasture/Hay	
H316	H316 AR 02	0.2	P	Temp	N	Gravel	Add stone when needed	159	10	20	25	-	None	0.0	Developed, Open Space	-
H316	H316 AR 03	0.7	P	Perm	E	Grass / Gravel	Add stone and widen	783	15	25	25	-	10' of stone	0.2	Cultivated Crops	Permanent road to rectifier site.
														0.0	Developed, Low Intensity	
														0.1	Developed, Open Space	
														0.2	Pasture/Hay	
H316	H316 AR 04	0.9	P	Temp	E	Paved / Gravel/ Grass	ROW will be built for pipe installation.	522	15	20	25	None	None	0.3	Developed, Low Intensity	-
														0.0	Developed, Open Space	
H316	H316 AR 05a	1.5	P	Temp	E	Grass / Dirt	ROW will be built for pipe installation.	782	10	25	20	None	None	0.2	Developed, Open Space	-
														0.2	Pasture/Hay	

APPENDIX E-2 (continued)																	
Access Roads for the Equitrans Expansion Project																	
Project Component	Name	MP	Owner-ship <u>a/</u>	Type <u>b/</u>	Status <u>c/</u>	Existing / Proposed Surface Type	Proposed Mods.	Length (feet)	Width (feet)	Width During Construction (feet)	ROW Width (feet)	Temporary Impact	Permanent Impact	Acres	Land Use	Justification for Permanent Access Roads	
H316	H316 AR 05b	1.5	P	Temp	N	Grass / Dirt	ROW will be built for pipe installation.	1,066	0	25	20	None	None	0.5	Deciduous Forest	-	
														0.0	Grassland/Herbaceous		
														0.0	Pasture/Hay		
H316	H316 AR 06a	2.0	P	Temp	E	Grass / Gravel /Dirt	Add stone and widen	242	10	25	25	None	None	0.0	Deciduous Forest	-	
														0.1	Developed, Open Space		
														0.1	Pasture/Hay		
H316	H316 AR 06b	2.0	P	Temp	N	Grass / Gravel /Dirt	Add stone and widen	281	0	25	25	None	None	0.1	Deciduous Forest	-	
														0.0	Developed, Open Space		
														0.1	Pasture/Hay		
H316	H316 AR 07a	2.8	P	Perm	E	Grass / Gravel	Add stone and widen	2,579	15	25	20	None	10' of stone	0.4	Deciduous Forest	Permanent road to receiver Site.	
														0.0	Developed, Open Space		
														0.6	Pasture/Hay		
H316	H316 AR 07b	2.8	P	Temp	N	Grass / Gravel	Add stone and widen	607	15	25	20	None	10' of stone	0.1	Deciduous Forest		
														0.2	Pasture/Hay		
														0.1	Cultivated Crops		
H316	H316 AR 08	N/A	P	Temp	N	Gravel	Add stone when needed	322	0	25	25	None	None	0.1	Cultivated Crops	-	
														0.1	Pasture/Hay		
Allegheny County																	
H318	H318 AR 01	0.0	P	Temp	E	Gravel	Add stone when needed	2,785	15	25	25	None	None	1.6	Deciduous Forest	-	
														0.0	Developed, Open Space		
H318	H318 AR 02a	0.7	P	Temp	N	Grass / Gravel	Add stone when needed	92	0	25	25	None	None	0.0	Developed, Open Space	-	
														0.0	Pasture/Hay		

APPENDIX E-2 (continued)

Access Roads for the Equitrans Expansion Project

Project Component	Name	MP	Ownership <u>a/</u>	Type <u>b/</u>	Status <u>c/</u>	Existing / Proposed Surface Type	Proposed Mods.	Length (feet)	Width (feet)	Width During Construction (feet)	ROW Width (feet)	Temporary Impact	Permanent Impact	Acres	Land Use	Justification for Permanent Access Roads
H318	H318 AR09a	1.2	P	Perm	E	Gravel	Add stone when needed	191	12	40	40	None	10' of stone	0.1	Deciduous Forest	
H318	H318 AR09b	1.2	P	Temp	N	Grass/Gravel	Add stone when needed	183	12	40	40	None	None	0.2	Deciduous Forest	
Washington County																
H318	H318 AR 04a	1.5	P	Temp	N	Wooded / Grass	None	780	0	25	25	None	None	0.3	Deciduous Forest	-
														0.2	Pasture/Hay	
H318	H318 AR 04b b/	1.5	T	Temp	E	Wooded / Grass	Pending	1,238	15	25	0	None	None	N/A	N/A	-
H318	H318 AR 05	3.0	P	Temp	E	Paved	None	414	10	15	15	None	None	0.1	Deciduous Forest	-
														0.0	Developed, Open Space	
H318	H318 AR 06	3.1	P	Temp	E	Gravel/Grass	None	857	10	25	25	None	None	0.0	Deciduous Forest	-
														0.2	Developed, Open Space	
														0.1	Grassland/Herbaceous	
														0.2	Pasture/Hay	
H318	H318 AR 07	3.8	P	Temp	E	Gravel	Add stone when needed	426	15	25	25	None	None	0.1	Cultivated Crops	-
														0.0	Pasture/Hay	
H318	H318 AR08	3.8	P	Temp	E	Paved	Add stone when needed	890	0	25	0	None	None	0.1	Developed, Low Intensity	-
														0.4	Developed, Open Space	

APPENDIX E-2 (continued)																
Access Roads for the Equitrans Expansion Project																
Project Component	Name	MP	Owner-ship <u>a/</u>	Type <u>b/</u>	Status <u>c/</u>	Existing / Proposed Surface Type	Proposed Mods.	Length (feet)	Width (feet)	Width During Construction (feet)	ROW Width (feet)	Temporary Impact	Permanent Impact	Acres	Land Use	Justification for Permanent Access Roads
WEST VIRGINIA																
Wetzel County																
H319	H319 AR 01	0.0	P	Perm	E	Gravel	Add stone and widen	129	10	25	25	None	None	0.0	Deciduous Forest	Access to tap valve set
Webster Interconnect	Webster AR 01	N/A	P	Perm	E	Gravel	Add stone and widen	50	10	25	20	None	None	0.0	Developed, Open Space	Entrance to Webster Interconnect site
Webster Interconnect	Webster AR 02	N/A	P	Perm	E	Gravel	Add stone and widen	60	0	25	20	None	None	0.0	Deciduous Forest	Exit from Webster Interconnect site
Webster Interconnect	Webster AR 03	N/A	P	Temp	N	Grass	Build Complete Road	204	0	25	20	None	None	0.0	Deciduous Forest	-
														0.1	Developed, Open Space	
ROW = right-of-way																
N/A = Not Applicable																
<u>a/</u> P = Private, T = Township																
<u>b/</u> Perm = Permanent, Temp = Temporary																
<u>c/</u> E = Existing, N = New																