

**APPENDIX E-1**

**Access Roads**

**Mountain Valley Project**

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
<b>WEST VIRGINIA</b>															
<b>Wetzel County</b>															
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-002	0.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel to peak of steep slope.	N/A	100%	2.02
MVP-WE-003	0.7	P	Temp	N	Dirt	TBD	0.0	0	25	40	40	Access from county route to ATWS and road crossing	TBD	N/A	N/A
MVP-WE-004	0.8	P	Temp	N	Dirt	TBD	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	0.7	25	25	40	15	Operations maintenance	N/A	75%	2.43

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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-WE-006	1.4	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-WE-007	1.4	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.1	0	25	40	40	Access to south side of stream crossing	N/A	N/A	N/A	
MVP-WE-008	1.4	P	Perm	N	Dirt	New Construction	0.1	0	25	40	40	Operations maintenance	TBD	N/A	N/A	
MVP-WE-008.01	1.5	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD	
MVP-WE-008.02	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	4.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	N/A	75%	1.75	

APPENDIX E-1 (continued)

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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
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	6.9	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	7.4	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
<b>Harrison County</b>															

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## 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-018	9.7	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	25	25	40	15	Operations maintenance	N/A	100%	4.36
MVP-HA-019	12.1	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	100%	1.38
MVP-HA-020	13.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	N/A	100%	2.25
MVP-MLV-AR-03.01	15.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	8	25	40	32	MLV 3	permanent access to MLV 3	100%	0.08
MVP-HA-022	15.4	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	30%	0.44
WV-HA-023	15.5	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0		25	40	40	Mobilization of construction material. Safely ingress and egress of construction personnel		100%	0.06

APPENDIX E-1 (continued)

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MVP-MLV-AR-04	15.5	P	Perm	N	Dirt	New Construction	0.2	0	25	40	40	MLV4	MLV4	N/A	N/A
MVP-HA-024	16	S/P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.2	12	25	40	28	Operations maintenance	N/A	50%	2.86
MVP-HA-025	18.6	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%	1.66
MVP-HA-026	19	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	Roadway Widening, Grading, Stabilization	0.1	0	25	40	40	N/a	N/A	N/A	N/A
MVP-HA-028	21.3	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-HA-029	22.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	40	25	40	0	Operations maintenance	N/A	100%	2.23

## APPENDIX E-1 (continued)

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MVP-HA-029.0 1	22.6	P	Perm	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	100%	0.67
MVP-HA-031.0 1	23.7	P	Perm	N	Dirt	New Construction	0.2	0	25	40	40	Sherwood Int.	Sherwood Int.	N/A	N/A
MVP-HA-032	25	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. Access road provides ridgetop access to the north side of US RT 50	N/A	50%	2.35

APPENDIX E-1 (continued)

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MVP-HA-033	26.9	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	28.4	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	29.2	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	100%	1.51

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APPENDIX E-1 (continued)																
Access Roads for the Mountain Valley Project																
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MVP-HA-036	29.5	P	Temp	N	TBD	TBD	0.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	N/A	N/A	
MVP-HA-040	30.9	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	31.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	25	25	40	15	Operations maintenance	N/A	40%	0.69	
MVP-HA-041.01	32.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	0.17	
MVP-HA-042	33	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	N/A	0%	0.00	

APPENDIX E-1 (continued)

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MVP-HA-043	33.2	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Operations maintenance	N/A	50%	0.33	
MVP-DO-044	34.1	P	Temp	N	Gravel	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A	
<b>Doddridge County</b>																
MVP-DO-046	34.4	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	34.51	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	MLV5	permanent access to MLV 5	N/A	N/A	
MVP-DO-047	34.7	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	

## APPENDIX E-1 (continued)

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MVP-DO-048	34.9	P	Perm	N	Dirt	New Construction	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	N/A
MVP-DO-049	35.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.1	25	25	40	15	Operations maintenance	N/A	50%	0.34
MVP-HA-050	37.3	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.9	0	25	40	40	N/a	N/A	N/A	N/A
MVP-HA-051	38.2	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
<b>Lewis County</b>															

APPENDIX E-1 (continued)

Access Roads for the Mountain Valley Project

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MVP-HA-052	39.5	P	Temp	E		Roadway Widening, Grading, Stabilization	1.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel		90%	4.51
MVP-LE-054	40	P	Perm	N	Dirt	New Construction	0.5	0	25	40	40	Operations maintenance	N/A	N/A	N/A
MVP-LE-055	42	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	42.6	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 to north side of road crossing	N/A	0%	0.00

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## APPENDIX E-1 (continued)

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MVP-LE-057	43.1	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	43.5	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
MVP-LE-060	44.6	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	25	25	40	15	Operations maintenance	N/A	0%	0.00
MVP-LE-061	44.9	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

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Access Roads for the Mountain Valley Project

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MVP-LE-062	45.3	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
MVP-LE-063	45.5	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	45.9	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	46	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	46.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	25	25	40	15	Operations maintenance	N/A	0%	0.00

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MVP-LE-066.0 1	46.7	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	48	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	25%	0.19
MVP-LE-068	48.1	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	50.8	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

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MVP-LE-069.01	50.9	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
MVP-LE-070	51.8	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	25%	1.26
MVP-MLV-AR-006	53.06	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 6	TBD	TBD	TBD
MVP-LE-071	53.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Operations maintenance	N/A	25%	0.04
MVP-LE-072	53.8	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

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MVP-LE-073	55.1	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. Provides necessary access to north side of road crossing	N/A	0%	0.00	
MVP-LE-073.0 1	55.2	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	55.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	10	25	40	30	Operations maintenance	N/A	50%	0.25	
MVP-LE-074	59.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Operations maintenance	N/A	50%	1.23	
MVP-LE-075	59.7	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	

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-076	59.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides necessary access to the north side of interstate 79	N/A	30%	1.23
MVP-LE-077	60.2	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
MVP-LE-077.01	60.8	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

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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 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	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	3.05
MVP-LE-083	63	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	100%	1.69
MVP-LE-084	65.4	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	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 7	TBD	TBD	TBD
<b>Braxton County</b>															

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-08	65.7	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 8	TBD	TBD	TBD
MVP-BR-086	67.45	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.1	8	25	40	32	Operations maintenance	N/A	0%	0.00
MVP-BR-087	67.8	S	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.32
MVP-BR-088	68.6	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	100%	2.20
MVP-BR-089.01	68.8	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

## 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-092.0 1	71.7	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	25%	0.14
MVP-BR-095	72.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	15	25	40	25	Operations maintenance	N/A	10%	0.22
MVP-BR-094	72.1	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	72	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
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

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-096	72.5	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	73.4	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	73.9	P	Perm	N	TBD	TBD	0.1	18	25	40	22	Operations maintenance	TBD	N/A	N/A
MVP-BR-100	74.1	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	74.5	S/P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	Operations maintenance	N/A	50%	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-BR-103	74.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	1.1	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.55	
MVP-BR-104	76.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	50%	1.00	
MVP-BR-104.01	76.8	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	N/A	N/A	
MVP-BR-105	77.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	10%	0.05	
MVP-BR-105.01	77.5	P	Perm	N	Dirt	New Construction	0.3	0	25	40	40	MLV9 Harris CS	Permanent access to MLV9 Harris CS	N/A	N/A	
MVP-BR-106	78	P	Perm	E	TBD	TBD	0.5	9	25	40	31	Operations maintenance	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-ANC-001	79	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel into ancillary site	TBD	TBD	TBD
Webster County															
MVP-WB-107	80.4	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	6	25	40	34	Operations maintenance	N/A	50%	0.83
MVP-WB-111	81.8	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 to south side of wetland and stream crossings	N/A	50%	0.51
MVP-WB-113	82.1	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	Operations maintenance	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-114	82.4	P	Temp	E	Rock/Dirt	Roadway Widening, Grading, Stabilization	0.8	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.92	
MVP-WB-114.0 1	82.3	P	Temp	TBD	TBD	TBD	0.0	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	TBD	TBD	
MVP-WB-116	83.2	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	84	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	

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-119	85.8	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	3.8	16	25	40	24	Operations maintenance	N/A	10%	1.83
MVP-WB-120	88.7	P	Perm	TBD	TBD	TBD	2.4	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-WB-121	90.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	3.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	1.45
MVP-WB-120.01	89.1	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	90.8	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	91.9	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	6.5	15	25	40	25	Operations maintenance	N/A	15%	4.69

## 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-125	92.7	S/P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	1.0	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	90%	4.23
MVP-WB-126	93.1	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel		10%	0.00
MVP-MLV-AR-010	93.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.2	10	25	40	30	MLV10	N/A		0.00
MVP-WB-126.01	95.4	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
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

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-128	98.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	5	25	40	35	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.35
MVP-MLV-AR-11	98.3	P	Perm	N	Dirt	New Construction	0.0	0	25	40	40	MLV 11	N/A	N/A	N/A
MVP-WB-129	98.9	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	101.78	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 12	TBD	TBD	TBD
MVP-WB-130	101.8	S	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	10	25	40	30	Operations maintenance	N/A	70%	1.71
MVP-WB-131	103.2	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

## 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-131.0 1	103.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	10%	0.31
MVP-WB-132	104.1	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-133	107.3	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.5	6	25	40	34	Operations maintenance	N/A	50%	1.14
MVP-WB-134	109.4	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
<b>Nicholas County</b>															

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-136	109.8	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-MLV-AR-13	111.1	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 13	TBD	TBD	TBD
MVP-NI-137	111.4	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-NI-139	111.9	P	Perm	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-NI-140	112.2	P	Temp	TBD	TBD	TBD	0.5	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-NI-141	112.7	P	Temp	E	Asphalt/Gravel	Roadway Widening, Grading, Stabilization	0.8	20	25	40	20	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.81
MVP-NI-145	115.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.4	25	25	40	15	Operations maintenance	TBD		
MVP-NI-146	115.8	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.9	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	100%	4.25
MVP-NI-147	116.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.44
MVP-NI-148	116.4	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

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-149	117.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.6	30	25	40	10	Operations maintenance	N/A	50%	1.32
MVP-NI-150	118.5	S	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.7	30	25	40	10	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	50%	1.76
MVP-NI-151	118.7	P	Temp	TBD	TBD	TBD	1.4	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-NI-152	119.1	P	Temp	N	Dirt	Roadway Widening, Grading, Stabilization	0.2	0	25	40	40	N/a	N/A	N/A	N/A
MVP-NI-153	119.4	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	50%	0.95
MVP-NI-154	119.9	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.0	15	25	40	25	MLV14	N/A	10%	0.00



## 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-14	119.9	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	MLV14	N/A		0.00
MVP-NI-154.01	120	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		10%	0.13
MVP-MLV-AR-14	119.9	P	Perm	TBD	TBD	TBD	2.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-NI-155	122.8	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	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	123.7	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	124.3	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	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	126.3	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.4	30	25	40	10	Operations maintenance	N/A	100%	2.03
MVP-NI-159	126.3	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	3.5	30	25	40	10	Operations maintenance	N/A	100%	17.01
MVP-NI-159.01	125.5	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	126.5	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	126.7	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	128.1	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	128.6	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	130.1	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	130.6	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
MVP-NI-168	131	P	Perm	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Operations maintenance	N/A	TBD	TBD
MVP-NI-170	131.7	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	132.6	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	133.1	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	12	25	40	28	Operations maintenance	N/A	25%	0.06
<b>Greenbrier County</b>															
MVP-GB-174	135.5	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

## 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-174.0 1	136	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-176	137.2	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
MVP-GB-177	138.3	P	Temp	E	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	0.26
MVP-MLV-AR-15	138.35	S/P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.6	15	25	40	25	MLV15	N/A		0.00
MVP-GB-178	139.5	P	Temp	TBD	TBD	TBD	3.4	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	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-GB-179	140	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
MVP-MLV-AR-16	140.5	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV 16	TBD	TBD	TBD
MVP-GB-182	142.8	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	143.6	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	TBD	TBD
MVP-MLV-AR-17	143.61	P	Perm	TBD	TBD	TBD	0.2	TBD	25	40	TBD	MLV17	N/A	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-MLV-AR-18	143.82	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.0	20	25	40	20	MLV 18	N/A		0.00
MVP-GB-184	145	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.7	10	25	40	30	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	25%	0.86
MVP-GB-185	146.7	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	10%	0.07
MVP-GB-186	146.8	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	148.2	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	25%	0.27
MVP-GB-187.01	147.8	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	147.7	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		
MVP-GB-187.0 3	147.9	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		
MVP-GB-188	148.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	12	25	40	28	Operations maintenance	N/A	50%	0.92
MVP-GB-189	149.6	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-GB-190	150.3	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.6	10	25	40	30	Operations maintenance	N/A	90%	2.70
MVP-GB-190.0 1	154.1	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



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-193	155.2	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	TBD			
MVP-GB-194	156.1	S/P	Perm	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD	
MVP-GB-196	156.6	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	
<b>Summers County</b>																
MVP-SU-195	156.9	S/P	Perm	E	Asphalt	Roadway Widening, Grading, Stabilization	0.5	12	25	40	28	Operations maintenance	N/A	10%	0.23	
MVP-SU-197	158.4	P	Perm	N	Dirt	New Construction	0.1	0	25	40	40	Operations maintenance	N/A	N/A	N/A	
MVP-SU-198	160.8	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	

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-199	161.3	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	162.5	P	Temp	TBD	TBD	TBD	1.7	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-SU-201	165	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%	5.94
MVP-SU-202	165.6	P	Perm	TBD	TBD	TBD	0.8	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-SU-203	169.9	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.2	12	25	40	28	Operations maintenance	N/A	10%	0.09
MVP-SU-205	170.5	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

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## 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-20	170.9	P	Perm	N	TBD	New Construction	0.0	TBD	25	40	TBD	MLV20	Permanent access to MLV20		
MVP-MLV-AR-21	171.1	P	Perm	N	TBD	New Construction	0.0	TBD	25	40	TBD	MLV 21	Permanent access to MLV21		
MVP-SU-207	170.25		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-SU-208	171.3	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
MVP-SU-208.01	171.5	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
<b>Monroe County</b>															

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-210	173.6	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.4	10	25	40	30	Operations maintenance	N/A	50%	3.
MVP-MO-211	175.2	S	Temp	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MO-212	175.9	P	Temp	TBD	TBD	TBD	1.1	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MO-213	176.2	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	1.4	10	25	40	30	Operations maintenance	N/A	70%	4.61
MVP-MO-214	176.5	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	100%	1.76
MVP-MO-215	176.9	P	Perm	TBD	TBD	TBD	0.5	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-MO-216	178.3	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD	
MVP-MO-217	179.1	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	N/A	25%	0.44	
MVP-MO-218	181.5	P	Temp	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD	
MVP-MO-219		P	Temp	TBD	TBD	TBD			25	40						
MVP-MO-220	183.3	P	Perm	TBD	TBD	TBD	0.6	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD	
MVP-MO-221	184.3	P	Temp	TBD	TBD	TBD	0.2	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	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-222	184.6	P	Perm	TBD	TBD	TBD	0.3	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-223	184.8	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
MVP-MLV-AR-22	185.2	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV-22	TBD	TBD	TBD
MVP-MO-224	185.4	P	Perm	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-225	186.2	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
MVP-MO-226	186.7	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

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## 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-227	187.4	S	Perm	TBD	TBD	TBD	0.7	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-228	189.7	P	Perm	TBD	TBD	TBD	0.9	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MO-230	191.1	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	50%	0.47
MVP-MO-231.01	193.8	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
<b>VIRGINIA</b>															
<b>Giles County</b>															
MVP-GI-232	196.9	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	6.3	12	25	40	28	Operations maintenance	N/A	10%	3.03

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-233	197.5	P	Temp	E	Rock	Roadway Widening, Grading, Stabilization	0.8	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel. Provides required access to south side of the Appalachian Trail Crossing	N/A	25%	0.91
MVP-GI-234	197.8	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.5	11	25	40	29	Operations maintenance	N/A	60%	1.40
MVP-GI-235	198.2	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.4	11	25	40	29	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	60%	1.29
MVP-GI-236	198.3	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



## 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-23	198.46	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV-23	TBD	TBD	TBD
MVP-GI-237	198.8	P	Temp	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.6	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel	N/A	70%	1.87
MVP-GI-238	199.6	P	Perm	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Operations maintenance	N/A	10%	0.39
MVP-MLV-AR-24	200.5	P	Perm	TBD	TBD	TBD	0.5	TBD	25	40	TBD	MLV-24	TBD	TBD	TBD
MVP-GI-239	200.5	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	TBD	50%	0.05
MVP-GI-240	200.8	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	TBD	50%	0.21

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	201.3	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-242	206.8	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-243	207	P	Perm	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-243.01	207.2	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	207.5	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	TBD	50%	1.11

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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-GI-245.0 1	208.2	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-GI-245.0 2	208.9	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	TBD	25%	1.40
MVP-GI-245.0 3	209	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-GI-249	209.9	P	Perm	E	Asphalt	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Operations maintenance	TBD	10%	0.03
MVP-GI-249.0 1	210	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

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-249.0 2	210.3	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-MLV-AR-25	211.11	P	Perm	TBD	TBD	TBD	0.0	TBD	25	40	TBD	MLV25	N/A	TBD	TBD
MVP-GI-253.0 1	211.7	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	25%	0.77
MVP-GI-253.0 2	212.4	P	Temp	TBD	TBD	TBD	0.2	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-GI-256	213.1	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.9	9	25	40	31	Operations maintenance	TBD	25%	1.14
<b>Craig County</b>															

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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-CR-258.0 1	215.6	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-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	TBD	50%	1.88
<b>Montgomery County</b>															
MVP-MN-258.0 3	218.2	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	TBD	50%	0.13
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	TBD	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-MN-258.05	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	TBD	50%	0.12
MVP-MN-260	221.2	P	Temp	E	Dirt	Roadway Widening, Grading, Stabilization	0.0	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	50%	0.06
MVP-MN-261	221.7	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.3	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	0.32
MVP-MN-262	221.6	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.0	12	25	40	28	Mobilization of construction material. Safely ingress and egress of construction personnel		25%	0.01
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

## 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-263	223.4	P	Perm	TBD	TBD	TBD	0.4	TBD	25	40	TBD	Operations maintenance	TBD	TBD	TBD
MVP-MN-264	223.8	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.8	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	1.00
MVP-MN-265	224	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	TBD	50%	0.20
MVP-MN-266	224.3	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	1.8	15	25	40	25	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	2.14
MVP-MN-266.01	225.2	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

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-267	225.2	P	Perm	E	Gravel/Dirt	Roadway Widening, Grading, Stabilization	0.0	10	25	40	30	Operations maintenance	TBD	10%	0.02
MVP-MN-268	225.9	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.4	10	25	40	30	Operations maintenance	TBD	100%	1.87
MVP-MN-269	226.2	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	TBD	50%	0.82
MVP-MN-270	227	P	Temp	TBD	TBD	TBD	0.5	TBD	25	40	TBD	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	TBD	TBD
MVP-MN-271	227.7	P	Perm	E	Asphalt/Dirt	Roadway Widening, Grading, Stabilization	0.1	6.5	25	40	34	Operations maintenance	TBD	10%	0.07
MVP-MN-272	228.3	P	Temp	TBD	TBD	TBD	0.5	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-MN-273	228.5	P	Perm	E	Dirt	Roadway Widening, Grading, Stabilization	0.3	15	25	40	25	Operations maintenance	TBD	75%	1.12	
MVP-MN-274	229.2	P	Temp	E	Gravel	Roadway Widening, Grading, Stabilization	0.1	8	25	40	32	Mobilization of construction material. Safely ingress and egress of construction personnel	TBD	25%	0.11	
MVP-MN-274.0 1	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	
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	

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-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
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

## 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-278.0 1	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
<b>Roanoke County</b>															
MVP-RO-279.0 1	237.3	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	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	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-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
Franklin County															

## 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-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
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

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-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
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

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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-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
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

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-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
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

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## 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-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
MVP-FR-308.01	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

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-309A (same as 309.02)	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-309.01	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
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

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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-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
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

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-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
MVP-AR-319.01	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

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-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	
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	

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	
<b>Pittsylvania County</b>																
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	
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	

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## 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-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
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

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-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

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.

- a/ P = Private, S = State, S/P = State/Private
- b/ Perm = Permanent, Temp = Temporary
- c/ E = Existing, N = New, E/N = Existing/New