

APPENDIX 3.3-A, APPENDIX C: CONSTRUCTION EMISSIONS AND HRA ASSUMPTIONS

Code	Section	Profile	Alternative(s)	Phase	Start Date	End Date	Working Days
4KS-101	4th & King Station	4th and King Station At Grade	A, B	Demolition	11/22/2021	12/20/2021	21
4KS-102	4th & King Station	4th and King Station At Grade	A, B	Grading	12/20/2021	2/14/2022	41
4KS-201	4th & King Station	4th and King Station At Grade	A, B	Utilities	2/14/2022	3/14/2022	21
4KS-202	4th & King Station	4th and King Station At Grade	A, B	Footings / Foundations Excavation	2/28/2022	5/23/2022	61
4KS-203	4th & King Station	4th and King Station At Grade	A, B	Pour Footings / Retaining Walls	5/9/2022	6/6/2022	21
4KS-301	4th & King Station	4th and King Station At Grade	A, B	Erect Building Frames	5/23/2022	9/12/2022	81
4KS-302	4th & King Station	4th and King Station At Grade	A, B	Shell / Interior Equipment	8/29/2022	6/5/2023	201
4KS-303	4th & King Station	4th and King Station At Grade	A, B	Roof	5/22/2023	6/19/2023	21
4KS-401	4th & King Station	4th and King Station At Grade	A, B	Exterior Concrete	6/12/2023	8/7/2023	41
4KS-402	4th & King Station	4th and King Station At Grade	A, B	Paving	7/24/2023	8/21/2023	21
4KS-403	4th & King Station	4th and King Station At Grade	A, B	Finish Grading / Landscaping	8/21/2023	9/11/2023	16
4KS-501	4th & King Station	4th and King Station At Grade	A, B	Commissioning	9/11/2023	1/1/2024	81
MS-101	Millbrae Station	Milbrae Station At Grade	A, B	Demolition	11/22/2021	12/20/2021	21
MS-102	Millbrae Station	Milbrae Station At Grade	A, B	Grading	12/20/2021	2/14/2022	41
MS-201	Millbrae Station	Milbrae Station At Grade	A, B	Utilities	2/14/2022	3/14/2022	21
MS-202	Millbrae Station	Milbrae Station At Grade	A, B	Footings / Foundations Excavation	2/28/2022	5/23/2022	61
MS-203	Millbrae Station	Milbrae Station At Grade	A, B	Pour Footings / Retaining Walls	5/9/2022	6/6/2022	21
MS-301	Millbrae Station	Milbrae Station At Grade	A, B	Erect Building Frames	5/23/2022	9/12/2022	81
MS-302	Millbrae Station	Milbrae Station At Grade	A, B	Shell / Interior Equipment	8/29/2022	6/5/2023	201
MS-303	Millbrae Station	Milbrae Station At Grade	A, B	Roof	5/22/2023	6/19/2023	21
MS-401	Millbrae Station	Milbrae Station At Grade	A, B	Exterior Concrete	6/12/2023	8/7/2023	41
MS-402	Millbrae Station	Milbrae Station At Grade	A, B	Paving	7/24/2023	8/21/2023	21
MS-403	Millbrae Station	Milbrae Station At Grade	A, B	Finish Grading / Landscaping	8/21/2023	9/11/2023	16
MS-501	Millbrae Station	Milbrae Station At Grade	A, B	Demolition	11/22/2021	12/20/2021	81
LMF-101	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Grading	12/20/2021	1/17/2022	21
LMF-102	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Utilities	1/17/2022	1/31/2022	21
LMF-201	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Footings / Foundations Excavation	1/31/2022	2/28/2022	11
LMF-202	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Pour Footings / Retaining Walls	2/28/2022	3/28/2022	21
LMF-203	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Erect Building Frames	3/28/2022	5/23/2022	21
LMF-301	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Shell / Interior Equipment	5/23/2022	9/12/2022	41
LMF-302	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Roof	9/12/2022	10/10/2022	81
LMF-303	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Exterior Concrete	10/10/2022	10/31/2022	21
LMF-401	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Paving	10/24/2022	11/14/2022	16
LMF-402	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Finish Grading / Landscaping	11/7/2022	12/5/2022	16
LMF-403	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Track Bed Construction	3/14/2022	12/19/2022	21
LMF-501	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Track & Signal	12/19/2022	1/16/2023	201
LMF-502	Light Maintenance Facility	Light Maintenance Facility At Grade	A, B	Track Subgrade Construction	11/13/2023	7/4/2025	21
A-1 At Grade4-101	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Utility Relocation	6/28/2021	3/29/2024	720
A-1 At Grade4-102	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Demolition	6/28/2021	3/29/2024	720
A-1 At Grade4-103	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Removal of Existing Track	7/12/2021	10/20/2023	595
A-1 At Grade4-201	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Track Subgrade Construction	9/27/2021	2/3/2025	876
A-1 At Grade4-301	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Track Ballasted	12/2/2024	12/8/2025	266
A-1 At Grade4-302	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Track & Signal	12/2/2024	12/8/2025	266
A-1 At Grade2-101	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Utility Relocation	6/28/2021	11/25/2024	891
A-1 At Grade2-102	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Demolition	6/28/2021	11/25/2024	891
A-1 At Grade2-103	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Removal of Existing Track	7/5/2021	11/18/2024	881
A-1 At Grade2-201	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Track Subgrade Construction	8/9/2021	2/3/2025	911
A-1 At Grade2-301	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Track Ballasted	12/2/2024	12/8/2025	266
A-1 At Grade2-302	San Francisco to South San Francisco Subsection	SF to SSF At Grade	A, B	Track & Signal	12/2/2024	12/8/2025	266
A-2 Berm2-101	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Utility Relocation	6/28/2021	10/15/2021	80
A-2 Berm2-102	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Demolition	7/12/2021	10/1/2021	60
A-2 Berm2-103	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Excavate Contaminated Materials	7/26/2021	10/1/2021	50
A-2 Berm2-104	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Misc Concrete and Prep	8/2/2021	8/27/2021	20
A-2 Berm2-201	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Place Starter Panels for Walls	8/9/2021	5/13/2022	200
A-2 Berm2-202	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Place Fill Material	10/18/2021	5/26/2023	420

Code	Section	Profile	Alternative(s)	Phase	Start Date	End Date	Working Days
A-2 Berm2-203	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Place Panels and Straps	10/18/2021	5/26/2023	420
A-2 Berm2-401	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Track Ballasted	12/2/2024	3/21/2025	80
A-2 Berm2-402	San Bruno to San Mateo Subsection	SB to SM Berm	A, B	Track & Signal	12/2/2024	3/21/2025	80
A-2 At Grade4-101	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Utility Relocation	6/28/2021	11/11/2022	360
A-2 At Grade4-102	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Demolition	6/28/2021	11/11/2022	360
A-2 At Grade4-103	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Removal of Existing Track	7/12/2021	1/19/2024	660
A-2 At Grade4-201	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Track Subgrade Construction	9/27/2021	6/28/2024	720
A-2 At Grade4-301	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Track Ballasted	12/2/2024	10/17/2025	230
A-2 At Grade4-302	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Track & Signal	12/2/2024	10/17/2025	230
A-2 At Grade2-101	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Utility Relocation	6/28/2021	11/25/2024	891
A-2 At Grade2-102	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Demolition	6/28/2021	11/25/2024	891
A-2 At Grade2-103	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Removal of Existing Track	7/5/2021	11/18/2024	881
A-2 At Grade2-201	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Track Subgrade Construction	8/9/2021	2/3/2025	911
A-2 At Grade2-301	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Track Ballasted	12/2/2024	12/8/2025	266
A-2 At Grade2-302	San Bruno to San Mateo Subsection	SB to SM At Grade	A, B	Track & Signal	12/2/2024	12/8/2025	266
A-3 Berm2-101	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Utility Relocation	6/28/2021	1/7/2022	140
A-3 Berm2-102	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Demolition	7/12/2021	12/24/2021	120
A-3 Berm2-103	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Excavate Contaminated Materials	7/26/2021	12/24/2021	110
A-3 Berm2-104	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Misc Concrete and Prep	8/2/2021	9/17/2021	35
A-3 Berm2-201	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Place Starter Panels for Walls	8/9/2021	12/9/2022	350
A-3 Berm2-202	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Place Fill Material	10/18/2021	8/9/2024	735
A-3 Berm2-203	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Place Panels and Straps	10/18/2021	8/9/2024	735
A-3 Berm2-401	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Track Ballasted	12/2/2024	6/13/2025	140
A-3 Berm2-402	San Mateo to Palo Alto Subsection	SM to PA Berm	A	Track & Signal	12/2/2024	6/13/2025	140
A-3 At Grade2-101	San Mateo to Palo Alto Subsection	SM to PA At Grade	A	Utility Relocation	6/28/2021	11/25/2024	891
A-3 At Grade2-102	San Mateo to Palo Alto Subsection	SM to PA At Grade	A	Demolition	6/28/2021	11/25/2024	891
A-3 At Grade2-103	San Mateo to Palo Alto Subsection	SM to PA At Grade	A	Removal of Existing Track	7/5/2021	11/18/2024	881
A-3 At Grade2-201	San Mateo to Palo Alto Subsection	SM to PA At Grade	A	Track Subgrade Construction	8/9/2021	2/3/2025	911
A-3 At Grade2-301	San Mateo to Palo Alto Subsection	SM to PA At Grade	A	Track Ballasted	12/2/2024	12/8/2025	266
A-3 At Grade2-302	San Mateo to Palo Alto Subsection	SM to PA At Grade	A	Track & Signal	12/2/2024	12/8/2025	266
B-3 Berm4-101	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Utility Relocation	6/28/2021	2/19/2024	691
B-3 Berm4-102	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Demolition	6/28/2021	7/10/2023	531
B-3 Berm4-103	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Excavate Contaminated Materials	7/26/2021	4/3/2023	441
B-3 Berm4-104	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Misc Concrete and Prep	7/26/2021	4/3/2023	441
B-3 Berm4-201	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Place Starter Panels for Walls	8/9/2021	3/4/2024	671
B-3 Berm4-202	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Place Fil Material	10/18/2021	10/28/2024	791
B-3 Berm4-203	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Place Panels and Straps	10/18/2021	10/28/2024	791
B-3 Berm4-401	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Track Ballasted	12/2/2024	12/8/2025	266
B-3 Berm4-402	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Track & Signal	12/2/2024	12/8/2025	266
B-3 Berm2-101	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Utility Relocation	6/28/2021	7/26/2021	21
B-3 Berm2-102	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Demolition	6/28/2021	7/12/2021	11
B-3 Berm2-103	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Excavate Contaminated Materials	7/26/2021	8/2/2021	6
B-3 Berm2-104	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Misc Concrete and Prep	8/2/2021	8/9/2021	6
B-3 Berm2-201	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Place Starter Panels for Walls	8/9/2021	10/18/2021	51
B-3 Berm2-202	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Place Fill Material	10/18/2021	3/14/2022	106
B-3 Berm2-203	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Place Panels and Straps	10/18/2021	3/14/2022	106
B-3 Berm2-401	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Track Ballasted	12/2/2024	12/30/2024	21
B-3 Berm2-402	San Mateo to Palo Alto Subsection	SM to PA Berm	B	Track & Signal	12/2/2024	12/30/2024	21
B-3 At Grade4-101	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Utility Relocation	6/28/2021	8/19/2022	300
B-3 At Grade4-102	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Demolition	6/28/2021	8/19/2022	300
B-3 At Grade4-103	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Removal of Existing Track	7/12/2021	8/5/2022	280
B-3 At Grade4-201	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Track Subgrade Construction	9/27/2021	1/12/2024	600
B-3 At Grade4-301	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Track Ballasted	12/2/2024	9/5/2025	200
B-3 At Grade4-302	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Track & Signal	12/2/2024	9/5/2025	200
B-3 At Grade2-101	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Utility Relocation	6/28/2021	11/25/2024	891

Code	Section	Profile	Alternative(s)	Phase	Start Date	End Date	Working Days
B-3 At Grade2-102	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Demolition	6/28/2021	11/25/2024	891
B-3 At Grade2-103	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Removal of Existing Track	7/5/2021	11/18/2024	881
B-3 At Grade2-201	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Track Subgrade Construction	8/9/2021	2/3/2025	911
B-3 At Grade2-301	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Track Ballasted	12/2/2024	12/8/2025	266
B-3 At Grade2-302	San Mateo to Palo Alto Subsection	SM to PA At Grade	B	Track & Signal	12/2/2024	12/8/2025	266
A-4 At Grade4-101	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Utility Relocation	6/28/2021	3/29/2024	720
A-4 At Grade4-102	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Demolition	6/28/2021	3/29/2024	720
A-4 At Grade4-103	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Removal of Existing Track	7/12/2021	10/20/2023	595
A-4 At Grade4-201	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Track Subgrade Construction	9/27/2021	2/3/2025	876
A-4 At Grade4-301	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Track Ballasted	12/2/2024	12/8/2025	266
A-4 At Grade4-302	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Track & Signal	12/2/2024	12/8/2025	266
A-4 At Grade2-101	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Utility Relocation	6/28/2021	11/25/2024	891
A-4 At Grade2-102	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Demolition	6/28/2021	11/25/2024	891
A-4 At Grade2-103	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Removal of Existing Track	7/5/2021	11/18/2024	881
A-4 At Grade2-201	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Track Subgrade Construction	8/9/2021	2/3/2025	911
A-4 At Grade2-301	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Track Ballasted	12/2/2024	12/8/2025	266
A-4 At Grade2-302	Mountain View to Santa Clara Subsection	MV to SC At Grade	A, B	Track & Signal	12/2/2024	12/8/2025	266

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
4KS-101	CAT D8N	Bulldozers	1	6.0	285	Diesel	78
4KS-101	CAT 385	Excavtors	1	8.0	513	Diesel	160
4KS-101	CAT 988	Tractors/Loaders/Backhoes	1	8.0	375	Diesel	120
4KS-102	CAT 623	Scrapers	1	8.0	365	Diesel	120
4KS-102	CAT 14-H	Motor Graders	1	8.0	240	Diesel	80
4KS-102	CAT 825	Compactors	1	8.0	315	Diesel	96
4KS-201	CAT 420F	Tractors/Loaders/Backhoes	1	8.0	93	Diesel	32
4KS-201	CAT 926 E	Tractors/Loaders/Backhoes	1	6.0	110	Diesel	24
4KS-201	Hand Compactor	Compactors	1	8.0	8	Gas	3
4KS-202	CAT 385	Excavtors	1	8.0	513	Diesel	160
4KS-202	CAT 926 E	Tractors/Loaders/Backhoes	1	6.0	110	Diesel	24
4KS-202	Commachio CH450	Pile Driver/Drill	1	6.0	269	Diesel	54
4KS-203	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	6.0	210	Diesel	50
4KS-301	Grove GMK5240	Cranes	2	8.0	165	Diesel	24
4KS-301	Pettibone 944B	Forklifts	3	8.0	117	Diesel	11
4KS-302	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	0.6	210	Diesel	5
4KS-302	Grove GMK5240	Cranes	2	6.0	165	Diesel	18
4KS-302	Pettibone 944B	Forklifts	4	7.0	117	Diesel	7
4KS-303	Grove GMK5240	Cranes	1	8.0	165	Diesel	48
4KS-303	Pettibone 944B	Forklifts	3	8.0	117	Diesel	11
4KS-401	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	4.0	210	Diesel	33
4KS-402	CAT AC Paver	Paver	1	8.0	154	Diesel	48
4KS-403	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
4KS-403	Pettibone 944B	Forklifts	1	4.0	117	Diesel	16
MS-101	CAT D8N	Bulldozers	1	6.0	285	Diesel	78
MS-101	CAT 385	Excavtors	1	8.0	513	Diesel	160
MS-101	CAT 988	Tractors/Loaders/Backhoes	1	8.0	375	Diesel	120
MS-102	CAT 623	Scrapers	1	8.0	365	Diesel	120
MS-102	CAT 14-H	Motor Graders	1	8.0	240	Diesel	80
MS-102	CAT 825	Compactors	1	8.0	315	Diesel	96
MS-201	CAT 420F	Tractors/Loaders/Backhoes	1	8.0	93	Diesel	32
MS-201	CAT 926 E	Tractors/Loaders/Backhoes	1	6.0	110	Diesel	24
MS-201	Hand Compactor	Compactors	1	8.0	8	Gas	3
MS-202	CAT 385	Excavtors	1	8.0	513	Diesel	160
MS-202	CAT 926 E	Tractors/Loaders/Backhoes	1	6.0	110	Diesel	24
MS-202	Commachio CH450	Pile Driver/Drill	1	6.0	269	Diesel	54
MS-203	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	6.0	210	Diesel	50
MS-301	Grove GMK5240	Cranes	2	8.0	165	Diesel	24
MS-301	Pettibone 944B	Forklifts	3	8.0	117	Diesel	11
MS-302	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	0.6	210	Diesel	5
MS-302	Grove GMK5240	Cranes	2	6.0	165	Diesel	18
MS-302	Pettibone 944B	Forklifts	4	7.0	117	Diesel	7
MS-303	Grove GMK5240	Cranes	1	8.0	165	Diesel	48

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
MS-303	Pettibone 944B	Forklifts	3	8.0	117	Diesel	11
MS-401	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	4.0	210	Diesel	33
MS-402	CAT AC Paver	Paver	1	8.0	154	Diesel	48
MS-403	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
MS-403	Pettibone 944B	Forklifts	1	4.0	117	Diesel	16
LMF-101	CAT D4	Bulldozers	1	8.0	95	Diesel	32
LMF-101	CAT 385	Excavtors	1	8.0	513	Diesel	160
LMF-101	CAT 966	Tractors/Loaders/Backhoes	1	8.0	210	Diesel	64
LMF-102	CAT 623	Scrapers	1	8.0	365	Diesel	120
LMF-102	CAT 14-H	Motor Graders	1	8.0	240	Diesel	80
LMF-102	CAT 825	Compactors	2	8.0	315	Diesel	48
LMF-201	CAT 420F	Tractors/Loaders/Backhoes	1	8.0	93	Diesel	32
LMF-201	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
LMF-201	Hand Compactor	Compactors	1	8.0	8	Gas	3
LMF-202	CAT 385	Excavtors	1	6.0	513	Diesel	120
LMF-202	CAT 926 E	Tractors/Loaders/Backhoes	1	4.0	110	Diesel	16
LMF-203	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	4.0	210	Diesel	33
LMF-301	Grove GMK5240	Cranes	2	8.0	165	Diesel	24
LMF-301	Pettibone 944B	Forklifts	2	8.0	117	Diesel	16
LMF-302	Grove GMK5240	Cranes	2	6.0	165	Diesel	18
LMF-302	Pettibone 944B	Forklifts	2	8.0	117	Diesel	16
LMF-303	Grove GMK5240	Cranes	1	8.0	165	Diesel	48
LMF-303	Pettibone 944B	Forklifts	1	4.0	117	Diesel	16
LMF-401	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	4.0	210	Diesel	33
LMF-402	CAT AC Paver	Paver	1	6.0	154	Diesel	36
LMF-403	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
LMF-403	Pettibone 944B	Forklifts	1	4.0	117	Diesel	16
LMF-501	CAT D8N	Bulldozers	1	6.0	285	Diesel	78
LMF-501	CAT 966	Tractors/Loaders/Backhoes	1	8.0	210	Diesel	64
LMF-501	Bobcat S590	Tractors/Loaders/Backhoes	1	8.0	66	Diesel	16
LMF-501	CAT 623	Scrapers	1	6.0	365	Diesel	90
LMF-501	CAT 14G	Motor Graders	1	4.0	200	Diesel	32
LMF-501	CAT 815	Compactors	1	6.0	216	Diesel	48
LMF-501	CAT CS-563	Compactors	1	4.0	145	Diesel	24
A-1 At Grade4-101	Ditch Witch RT45	Trenchers	1	4.6	49	Diesel	9
A-1 At Grade4-101	CAT 926 E	Tractors/Loaders/Backhoes	1	7.9	110	Diesel	32
A-1 At Grade4-101	Hand Compactor	Compactors	1	7.9	8	Gas	3
A-1 At Grade4-102	CAT D8N	Bulldozers	1	6.6	285	Diesel	85
A-1 At Grade4-102	CAT 926 E	Tractors/Loaders/Backhoes	1	6.6	110	Diesel	26
A-1 At Grade4-102	Grove GMK5240	Cranes	1	6.6	165	Diesel	39
A-1 At Grade4-103	CAT D8N	Bulldozers	1	7.2	285	Diesel	93
A-1 At Grade4-103	CAT 966	Tractors/Loaders/Backhoes	1	8.0	210	Diesel	64
A-1 At Grade4-103	Grove GMK5240	Cranes	1	4.0	165	Diesel	24

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
A-1 At Grade4-201	CAT 623	Scrapers	2	5.9	365	Diesel	45
A-1 At Grade4-201	CAT 14G	Motor Graders	2	6.5	200	Diesel	26
A-1 At Grade4-201	CAT 815	Compactors	2	6.5	216	Diesel	26
A-1 At Grade4-201	Hand Compactor	Compactors	2	5.9	8	Gas	1
A-1 At Grade4-301	CAT 988	Tractors/Loaders/Backhoes	2	7.1	375	Diesel	53
A-1 At Grade4-301	CAT 966	Tractors/Loaders/Backhoes	2	7.1	210	Diesel	28
A-1 At Grade4-301	CAT 815	Compactors	2	7.1	216	Diesel	28
A-1 At Grade4-301	Jackson Tamper	Jackson Tamper	2	7.1	450	Diesel	53
A-1 At Grade4-302	CAT 349F	Excavtors	2	7.1	396	Diesel	57
A-1 At Grade4-302	CAT 420F	Tractors/Loaders/Backhoes	2	7.1	93	Diesel	14
A-1 At Grade4-302	CAT 966	Tractors/Loaders/Backhoes	2	7.1	210	Diesel	28
A-1 At Grade4-302	CAT 815	Compactors	2	7.1	216	Diesel	28
A-1 At Grade4-302	Hand Compactor	Compactors	2	7.1	8	Gas	1
A-1 At Grade2-101	Ditch Witch RT45	Trenchers	1	6.7	49	Diesel	13
A-1 At Grade2-101	CAT 926 E	Tractors/Loaders/Backhoes	2	5.8	110	Diesel	12
A-1 At Grade2-101	Hand Compactor	Compactors	2	5.8	8	Gas	1
A-1 At Grade2-102	CAT D8N	Bulldozers	2	4.8	285	Diesel	31
A-1 At Grade2-102	CAT 926 E	Tractors/Loaders/Backhoes	2	4.8	110	Diesel	10
A-1 At Grade2-102	Grove GMK5240	Cranes	2	4.8	165	Diesel	14
A-1 At Grade2-103	CAT D8N	Bulldozers	2	4.4	285	Diesel	28
A-1 At Grade2-103	CAT 966	Tractors/Loaders/Backhoes	2	4.9	210	Diesel	19
A-1 At Grade2-103	Grove GMK5240	Cranes	1	4.9	165	Diesel	29
A-1 At Grade2-201	CAT 623	Scrapers	3	6.9	365	Diesel	34
A-1 At Grade2-201	CAT 14G	Motor Graders	3	7.5	200	Diesel	20
A-1 At Grade2-201	CAT 815	Compactors	3	7.5	216	Diesel	20
A-1 At Grade2-201	Hand Compactor	Compactors	3	6.9	8	Gas	1
A-1 At Grade2-301	CAT 988	Tractors/Loaders/Backhoes	4	6.5	375	Diesel	24
A-1 At Grade2-301	CAT 966	Tractors/Loaders/Backhoes	4	6.5	210	Diesel	13
A-1 At Grade2-301	CAT 815	Compactors	4	6.5	216	Diesel	13
A-1 At Grade2-301	Jackson Tamper	Jackson Tamper	4	6.5	450	Diesel	24
A-1 At Grade2-302	CAT 349F	Excavtors	4	6.5	396	Diesel	26
A-1 At Grade2-302	CAT 420F	Tractors/Loaders/Backhoes	4	6.5	93	Diesel	6
A-1 At Grade2-302	CAT 966	Tractors/Loaders/Backhoes	4	6.5	210	Diesel	13
A-1 At Grade2-302	CAT 815	Compactors	4	6.5	216	Diesel	13
A-1 At Grade2-302	Hand Compactor	Compactors	4	6.5	8	Gas	1
A-2 Berm2-101	Ditch Witch RT45	Trenchers	1	3.8	49	Diesel	8
A-2 Berm2-101	CAT 926 E	Tractors/Loaders/Backhoes	1	7.7	110	Diesel	31
A-2 Berm2-101	Hand Compactor	Compactors	1	3.8	8	Gas	1
A-2 Berm2-102	CAT 926 E	Tractors/Loaders/Backhoes	1	5.2	110	Diesel	21
A-2 Berm2-102	Grove GMK5240	Cranes	1	5.2	165	Diesel	31
A-2 Berm2-102	CAT D8N	Bulldozers	1	5.2	285	Diesel	67
A-2 Berm2-103	CAT D4	Bulldozers	1	3.1	95	Diesel	13
A-2 Berm2-103	CAT 385	Excavtors	1	3.1	513	Diesel	63

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
A-2 Berm2-103	CAT 966	Tractors/Loaders/Backhoes	1	3.1	210	Diesel	25
A-2 Berm2-104	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	4.2	210	Diesel	35
A-2 Berm2-201	CAT 926 E	Tractors/Loaders/Backhoes	1	7.6	110	Diesel	30
A-2 Berm2-201	Grove GMK5240	Cranes	1	3.8	165	Diesel	23
A-2 Berm2-202	CAT D6 LGP	Bulldozers	1	7.2	145	Diesel	45
A-2 Berm2-202	Bobcat S590	Tractors/Loaders/Backhoes	1	7.2	66	Diesel	14
A-2 Berm2-202	CAT 815	Compactors	1	7.2	216	Diesel	57
A-2 Berm2-202	Hand Compactor	Compactors	1	7.2	8	Gas	3
A-2 Berm2-203	Bobcat S590	Tractors/Loaders/Backhoes	1	7.2	66	Diesel	14
A-2 Berm2-203	Hand Compactor	Compactors	1	7.2	8	Gas	3
A-2 Berm2-203	Pettibone 944B	Forklifts	1	7.2	117	Diesel	29
A-2 Berm2-401	CAT 988	Tractors/Loaders/Backhoes	1	7.7	375	Diesel	115
A-2 Berm2-401	CAT 966	Tractors/Loaders/Backhoes	1	7.7	210	Diesel	61
A-2 Berm2-401	CAT 815	Compactors	1	7.7	216	Diesel	61
A-2 Berm2-401	Jackson Tamper	Jackson Tamper	1	7.7	450	Diesel	115
A-2 Berm2-402	CAT 349F	Excavtors	1	7.7	396	Diesel	123
A-2 Berm2-402	CAT 420F	Tractors/Loaders/Backhoes	1	7.7	93	Diesel	31
A-2 Berm2-402	CAT 966	Tractors/Loaders/Backhoes	1	7.7	210	Diesel	61
A-2 At Grade4-101	Ditch Witch RT45	Trenchers	1	4.3	49	Diesel	9
A-2 At Grade4-101	CAT 926 E	Tractors/Loaders/Backhoes	1	7.4	110	Diesel	30
A-2 At Grade4-101	Hand Compactor	Compactors	1	7.4	8	Gas	3
A-2 At Grade4-102	CAT D8N	Bulldozers	1	6.1	285	Diesel	80
A-2 At Grade4-102	CAT 926 E	Tractors/Loaders/Backhoes	1	6.1	110	Diesel	25
A-2 At Grade4-102	Grove GMK5240	Cranes	1	6.1	165	Diesel	37
A-2 At Grade4-103	CAT D8N	Bulldozers	1	3.0	285	Diesel	39
A-2 At Grade4-103	CAT 966	Tractors/Loaders/Backhoes	1	3.3	210	Diesel	27
A-2 At Grade4-103	Grove GMK5240	Cranes	1	1.7	165	Diesel	10
A-2 At Grade4-201	CAT 623	Scrapers	1	6.7	365	Diesel	101
A-2 At Grade4-201	CAT 14G	Motor Graders	1	7.4	200	Diesel	59
A-2 At Grade4-201	CAT 815	Compactors	1	7.4	216	Diesel	59
A-2 At Grade4-201	Hand Compactor	Compactors	1	6.7	8	Gas	2
A-2 At Grade4-301	CAT 988	Tractors/Loaders/Backhoes	1	7.7	375	Diesel	116
A-2 At Grade4-301	CAT 966	Tractors/Loaders/Backhoes	1	7.7	210	Diesel	62
A-2 At Grade4-301	CAT 815	Compactors	1	7.7	216	Diesel	62
A-2 At Grade4-301	Jackson Tamper	Jackson Tamper	1	7.7	450	Diesel	116
A-2 At Grade4-302	CAT 349F	Excavtors	1	7.7	396	Diesel	124
A-2 At Grade4-302	CAT 420F	Tractors/Loaders/Backhoes	1	7.7	93	Diesel	31
A-2 At Grade4-302	CAT 966	Tractors/Loaders/Backhoes	1	7.7	210	Diesel	62
A-2 At Grade4-302	CAT 815	Compactors	1	7.7	216	Diesel	62
A-2 At Grade4-302	Hand Compactor	Compactors	1	7.7	8	Gas	3
A-2 At Grade2-101	Ditch Witch RT45	Trenchers	1	5.2	49	Diesel	10
A-2 At Grade2-101	CAT 926 E	Tractors/Loaders/Backhoes	2	4.5	110	Diesel	9
A-2 At Grade2-101	Hand Compactor	Compactors	2	4.5	8	Gas	1

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
A-2 At Grade2-102	CAT D8N	Bulldozers	1	7.5	285	Diesel	97
A-2 At Grade2-102	CAT 926 E	Tractors/Loaders/Backhoes	1	7.5	110	Diesel	30
A-2 At Grade2-102	Grove GMK5240	Cranes	1	7.5	165	Diesel	45
A-2 At Grade2-103	CAT D8N	Bulldozers	1	6.8	285	Diesel	88
A-2 At Grade2-103	CAT 966	Tractors/Loaders/Backhoes	1	7.5	210	Diesel	60
A-2 At Grade2-103	Grove GMK5240	Cranes	1	3.8	165	Diesel	23
A-2 At Grade2-201	CAT 623	Scrapers	2	8.0	365	Diesel	60
A-2 At Grade2-201	CAT 14G	Motor Graders	3	5.8	200	Diesel	16
A-2 At Grade2-201	CAT 815	Compactors	3	5.8	216	Diesel	16
A-2 At Grade2-201	Hand Compactor	Compactors	2	8.0	8	Gas	1
A-2 At Grade2-301	CAT 988	Tractors/Loaders/Backhoes	3	6.7	375	Diesel	33
A-2 At Grade2-301	CAT 966	Tractors/Loaders/Backhoes	3	6.7	210	Diesel	18
A-2 At Grade2-301	CAT 815	Compactors	3	6.7	216	Diesel	18
A-2 At Grade2-301	Jackson Tamper	Jackson Tamper	3	6.7	450	Diesel	33
A-2 At Grade2-302	CAT 349F	Excavtors	3	6.7	396	Diesel	36
A-2 At Grade2-302	CAT 420F	Tractors/Loaders/Backhoes	3	6.7	93	Diesel	9
A-2 At Grade2-302	CAT 966	Tractors/Loaders/Backhoes	3	6.7	210	Diesel	18
A-2 At Grade2-302	CAT 815	Compactors	3	6.7	216	Diesel	18
A-2 At Grade2-302	Hand Compactor	Compactors	3	6.7	8	Gas	1
A-3 Berm2-101	Ditch Witch RT45	Trenchers	1	4.0	49	Diesel	8
A-3 Berm2-101	CAT 926 E	Tractors/Loaders/Backhoes	1	8.1	110	Diesel	32
A-3 Berm2-101	Hand Compactor	Compactors	1	4.0	8	Gas	1
A-3 Berm2-102	CAT 926 E	Tractors/Loaders/Backhoes	1	4.7	110	Diesel	19
A-3 Berm2-102	Grove GMK5240	Cranes	1	4.7	165	Diesel	28
A-3 Berm2-102	CAT D8N	Bulldozers	1	4.7	285	Diesel	61
A-3 Berm2-103	CAT D4	Bulldozers	1	2.6	95	Diesel	10
A-3 Berm2-103	CAT 385	Excavtors	1	2.6	513	Diesel	51
A-3 Berm2-103	CAT 966	Tractors/Loaders/Backhoes	1	2.6	210	Diesel	21
A-3 Berm2-104	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	4.2	210	Diesel	35
A-3 Berm2-201	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
A-3 Berm2-201	Grove GMK5240	Cranes	1	4.0	165	Diesel	24
A-3 Berm2-202	CAT D6 LGP	Bulldozers	1	7.6	145	Diesel	48
A-3 Berm2-202	Bobcat S590	Tractors/Loaders/Backhoes	1	7.6	66	Diesel	15
A-3 Berm2-202	CAT 815	Compactors	1	7.6	216	Diesel	61
A-3 Berm2-202	Hand Compactor	Compactors	1	7.6	8	Gas	3
A-3 Berm2-203	Bobcat S590	Tractors/Loaders/Backhoes	1	7.6	66	Diesel	15
A-3 Berm2-203	Hand Compactor	Compactors	1	7.6	8	Gas	3
A-3 Berm2-203	Pettibone 944B	Forklifts	1	7.6	117	Diesel	30
A-3 Berm2-401	CAT 988	Tractors/Loaders/Backhoes	1	8.1	375	Diesel	121
A-3 Berm2-401	CAT 966	Tractors/Loaders/Backhoes	1	8.1	210	Diesel	64
A-3 Berm2-401	CAT 815	Compactors	1	8.1	216	Diesel	64
A-3 Berm2-401	Jackson Tamper	Jackson Tamper	1	8.1	450	Diesel	121
A-3 Berm2-402	CAT 349F	Excavtors	1	8.1	396	Diesel	129

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
A-3 Berm2-402	CAT 420F	Tractors/Loaders/Backhoes	1	8.1	93	Diesel	32
A-3 Berm2-402	CAT 966	Tractors/Loaders/Backhoes	1	8.1	210	Diesel	64
A-3 At Grade2-101	Ditch Witch RT45	Trenchers	2	6.0	49	Diesel	6
A-3 At Grade2-101	CAT 926 E	Tractors/Loaders/Backhoes	3	6.9	110	Diesel	9
A-3 At Grade2-101	Hand Compactor	Compactors	3	6.9	8	Gas	1
A-3 At Grade2-102	CAT D8N	Bulldozers	3	5.7	285	Diesel	25
A-3 At Grade2-102	CAT 926 E	Tractors/Loaders/Backhoes	3	5.7	110	Diesel	8
A-3 At Grade2-102	Grove GMK5240	Cranes	3	5.7	165	Diesel	11
A-3 At Grade2-103	CAT D8N	Bulldozers	2	7.9	285	Diesel	51
A-3 At Grade2-103	CAT 966	Tractors/Loaders/Backhoes	3	5.8	210	Diesel	16
A-3 At Grade2-103	Grove GMK5240	Cranes	2	4.4	165	Diesel	13
A-3 At Grade2-201	CAT 623	Scrapers	5	7.4	365	Diesel	22
A-3 At Grade2-201	CAT 14G	Motor Graders	6	6.7	200	Diesel	9
A-3 At Grade2-201	CAT 815	Compactors	6	6.7	216	Diesel	9
A-3 At Grade2-201	Hand Compactor	Compactors	5	7.4	8	Gas	1
A-3 At Grade2-301	CAT 988	Tractors/Loaders/Backhoes	6	7.7	375	Diesel	19
A-3 At Grade2-301	CAT 966	Tractors/Loaders/Backhoes	6	7.7	210	Diesel	10
A-3 At Grade2-301	CAT 815	Compactors	6	7.7	216	Diesel	10
A-3 At Grade2-301	Jackson Tamper	Jackson Tamper	6	7.7	450	Diesel	19
A-3 At Grade2-302	CAT 349F	Excavtors	6	7.7	396	Diesel	21
A-3 At Grade2-302	CAT 420F	Tractors/Loaders/Backhoes	6	7.7	93	Diesel	5
A-3 At Grade2-302	CAT 966	Tractors/Loaders/Backhoes	6	7.7	210	Diesel	10
A-3 At Grade2-302	CAT 815	Compactors	6	7.7	216	Diesel	10
A-3 At Grade2-302	Hand Compactor	Compactors	6	7.7	8	Gas	0
B-3 Berm4-101	Ditch Witch RT45	Trenchers	1	4.6	49	Diesel	9
B-3 Berm4-101	CAT 926 E	Tractors/Loaders/Backhoes	1	7.7	110	Diesel	31
B-3 Berm4-101	Hand Compactor	Compactors	1	7.7	8	Gas	3
B-3 Berm4-102	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
B-3 Berm4-102	Grove GMK5240	Cranes	1	8.0	165	Diesel	48
B-3 Berm4-102	CAT D8N	Bulldozers	1	8.0	285	Diesel	104
B-3 Berm4-103	CAT D4	Bulldozers	1	4.8	95	Diesel	19
B-3 Berm4-103	CAT 385	Excavtors	1	4.8	513	Diesel	96
B-3 Berm4-103	CAT 966	Tractors/Loaders/Backhoes	1	4.8	210	Diesel	38
B-3 Berm4-104	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	2.4	210	Diesel	20
B-3 Berm4-201	CAT 926 E	Tractors/Loaders/Backhoes	3	7.9	110	Diesel	11
B-3 Berm4-201	Grove GMK5240	Cranes	2	5.9	165	Diesel	18
B-3 Berm4-202	CAT D6 LGP	Bulldozers	7	7.6	145	Diesel	7
B-3 Berm4-202	Bobcat S590	Tractors/Loaders/Backhoes	7	7.6	66	Diesel	2
B-3 Berm4-202	CAT 815	Compactors	7	7.6	216	Diesel	9
B-3 Berm4-202	Hand Compactor	Compactors	7	7.6	8	Gas	0
B-3 Berm4-203	Bobcat S590	Tractors/Loaders/Backhoes	7	5.7	66	Diesel	2
B-3 Berm4-203	Hand Compactor	Compactors	6	6.7	8	Gas	0
B-3 Berm4-203	Pettibone 944B	Forklifts	6	6.7	117	Diesel	4

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
B-3 Berm4-401	CAT 988	Tractors/Loaders/Backhoes	2	8.0	375	Diesel	60
B-3 Berm4-401	CAT 966	Tractors/Loaders/Backhoes	2	8.0	210	Diesel	32
B-3 Berm4-401	CAT 815	Compactors	2	8.0	216	Diesel	32
B-3 Berm4-401	Jackson Tamper	Jackson Tamper	2	8.0	450	Diesel	60
B-3 Berm4-402	CAT 349F	Excavtors	4	8.0	396	Diesel	32
B-3 Berm4-402	CAT 420F	Tractors/Loaders/Backhoes	4	8.0	93	Diesel	8
B-3 Berm4-402	CAT 966	Tractors/Loaders/Backhoes	4	8.0	210	Diesel	16
B-3 Berm2-101	Ditch Witch RT45	Trenchers	1	4.0	49	Diesel	8
B-3 Berm2-101	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
B-3 Berm2-101	Hand Compactor	Compactors	1	4.0	8	Gas	1
B-3 Berm2-102	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
B-3 Berm2-102	Grove GMK5240	Cranes	1	8.0	165	Diesel	48
B-3 Berm2-102	CAT D8N	Bulldozers	1	8.0	285	Diesel	104
B-3 Berm2-103	CAT D4	Bulldozers	1	8.0	95	Diesel	32
B-3 Berm2-103	CAT 385	Excavtors	1	8.0	513	Diesel	160
B-3 Berm2-103	CAT 966	Tractors/Loaders/Backhoes	1	8.0	210	Diesel	64
B-3 Berm2-104	Concrete Pump, Truck Mtd, 117 cy/hr	Pumps	1	4.0	210	Diesel	33
B-3 Berm2-201	CAT 926 E	Tractors/Loaders/Backhoes	1	8.0	110	Diesel	32
B-3 Berm2-201	Grove GMK5240	Cranes	1	4.0	165	Diesel	24
B-3 Berm2-202	CAT D6 LGP	Bulldozers	1	7.6	145	Diesel	48
B-3 Berm2-202	Bobcat S590	Tractors/Loaders/Backhoes	1	7.6	66	Diesel	15
B-3 Berm2-202	CAT 815	Compactors	1	7.6	216	Diesel	61
B-3 Berm2-202	Hand Compactor	Compactors	1	7.6	8	Gas	3
B-3 Berm2-203	Bobcat S590	Tractors/Loaders/Backhoes	1	7.6	66	Diesel	15
B-3 Berm2-203	Hand Compactor	Compactors	1	7.6	8	Gas	3
B-3 Berm2-203	Pettibone 944B	Forklifts	1	7.6	117	Diesel	30
B-3 Berm2-401	CAT 988	Tractors/Loaders/Backhoes	1	8.0	375	Diesel	120
B-3 Berm2-401	CAT 966	Tractors/Loaders/Backhoes	1	8.0	210	Diesel	64
B-3 Berm2-401	CAT 815	Compactors	1	8.0	216	Diesel	64
B-3 Berm2-401	Jackson Tamper	Jackson Tamper	1	8.0	450	Diesel	120
B-3 Berm2-402	CAT 349F	Excavtors	1	8.0	396	Diesel	128
B-3 Berm2-402	CAT 420F	Tractors/Loaders/Backhoes	1	8.0	93	Diesel	32
B-3 Berm2-402	CAT 966	Tractors/Loaders/Backhoes	1	8.0	210	Diesel	64
B-3 At Grade4-101	Ditch Witch RT45	Trenchers	1	4.5	49	Diesel	9
B-3 At Grade4-101	CAT 926 E	Tractors/Loaders/Backhoes	1	7.7	110	Diesel	31
B-3 At Grade4-101	Hand Compactor	Compactors	1	7.7	8	Gas	3
B-3 At Grade4-102	CAT D8N	Bulldozers	1	6.4	285	Diesel	84
B-3 At Grade4-102	CAT 926 E	Tractors/Loaders/Backhoes	1	6.4	110	Diesel	26
B-3 At Grade4-102	Grove GMK5240	Cranes	1	6.4	165	Diesel	39
B-3 At Grade4-103	CAT D8N	Bulldozers	1	6.2	285	Diesel	81
B-3 At Grade4-103	CAT 966	Tractors/Loaders/Backhoes	1	6.9	210	Diesel	55
B-3 At Grade4-103	Grove GMK5240	Cranes	1	3.5	165	Diesel	21
B-3 At Grade4-201	CAT 623	Scrapers	1	7.1	365	Diesel	106

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
B-3 At Grade4-201	CAT 14G	Motor Graders	1	7.7	200	Diesel	62
B-3 At Grade4-201	CAT 815	Compactors	1	7.7	216	Diesel	62
B-3 At Grade4-201	Hand Compactor	Compactors	1	7.1	8	Gas	2
B-3 At Grade4-301	CAT 988	Tractors/Loaders/Backhoes	1	7.8	375	Diesel	116
B-3 At Grade4-301	CAT 966	Tractors/Loaders/Backhoes	1	7.8	210	Diesel	62
B-3 At Grade4-301	CAT 815	Compactors	1	7.8	216	Diesel	62
B-3 At Grade4-301	Jackson Tamper	Jackson Tamper	1	7.8	450	Diesel	116
B-3 At Grade4-302	CAT 349F	Excavtors	1	7.8	396	Diesel	124
B-3 At Grade4-302	CAT 420F	Tractors/Loaders/Backhoes	1	7.8	93	Diesel	31
B-3 At Grade4-302	CAT 966	Tractors/Loaders/Backhoes	1	7.8	210	Diesel	62
B-3 At Grade4-302	CAT 815	Compactors	1	7.8	216	Diesel	62
B-3 At Grade4-302	Hand Compactor	Compactors	1	7.8	8	Gas	3
B-3 At Grade2-101	Ditch Witch RT45	Trenchers	2	4.1	49	Diesel	4
B-3 At Grade2-101	CAT 926 E	Tractors/Loaders/Backhoes	2	6.9	110	Diesel	14
B-3 At Grade2-101	Hand Compactor	Compactors	2	6.9	8	Gas	1
B-3 At Grade2-102	CAT D8N	Bulldozers	2	5.8	285	Diesel	38
B-3 At Grade2-102	CAT 926 E	Tractors/Loaders/Backhoes	2	5.8	110	Diesel	12
B-3 At Grade2-102	Grove GMK5240	Cranes	2	5.8	165	Diesel	17
B-3 At Grade2-103	CAT D8N	Bulldozers	2	5.3	285	Diesel	34
B-3 At Grade2-103	CAT 966	Tractors/Loaders/Backhoes	2	5.9	210	Diesel	23
B-3 At Grade2-103	Grove GMK5240	Cranes	1	5.9	165	Diesel	35
B-3 At Grade2-201	CAT 623	Scrapers	4	6.2	365	Diesel	23
B-3 At Grade2-201	CAT 14G	Motor Graders	4	6.8	200	Diesel	14
B-3 At Grade2-201	CAT 815	Compactors	4	6.8	216	Diesel	14
B-3 At Grade2-201	Hand Compactor	Compactors	4	6.2	8	Gas	1
B-3 At Grade2-301	CAT 988	Tractors/Loaders/Backhoes	4	7.8	375	Diesel	29
B-3 At Grade2-301	CAT 966	Tractors/Loaders/Backhoes	4	7.8	210	Diesel	16
B-3 At Grade2-301	CAT 815	Compactors	4	7.8	216	Diesel	16
B-3 At Grade2-301	Jackson Tamper	Jackson Tamper	4	7.8	450	Diesel	29
B-3 At Grade2-302	CAT 349F	Excavtors	4	7.8	396	Diesel	31
B-3 At Grade2-302	CAT 420F	Tractors/Loaders/Backhoes	4	7.8	93	Diesel	8
B-3 At Grade2-302	CAT 966	Tractors/Loaders/Backhoes	4	7.8	210	Diesel	16
B-3 At Grade2-302	CAT 815	Compactors	4	7.8	216	Diesel	16
B-3 At Grade2-302	Hand Compactor	Compactors	4	7.8	8	Gas	1
A-4 At Grade4-101	Ditch Witch RT45	Trenchers	1	4.5	49	Diesel	9
A-4 At Grade4-101	CAT 926 E	Tractors/Loaders/Backhoes	1	7.7	110	Diesel	31
A-4 At Grade4-101	Hand Compactor	Compactors	1	7.7	8	Gas	3
A-4 At Grade4-102	CAT D8N	Bulldozers	1	6.4	285	Diesel	83
A-4 At Grade4-102	CAT 926 E	Tractors/Loaders/Backhoes	1	6.4	110	Diesel	26
A-4 At Grade4-102	Grove GMK5240	Cranes	1	6.4	165	Diesel	38
A-4 At Grade4-103	CAT D8N	Bulldozers	1	7.0	285	Diesel	91
A-4 At Grade4-103	CAT 966	Tractors/Loaders/Backhoes	1	7.8	210	Diesel	62
A-4 At Grade4-103	Grove GMK5240	Cranes	1	3.9	165	Diesel	23

Code	Equipment	Equipment Category	#/day	hrs/day	HP	Fuel	Fuel (gal/day/eq)
A-4 At Grade4-201	CAT 623	Scrapers	2	5.8	365	Diesel	43
A-4 At Grade4-201	CAT 14G	Motor Graders	2	6.3	200	Diesel	25
A-4 At Grade4-201	CAT 815	Compactors	2	6.3	216	Diesel	25
A-4 At Grade4-201	Hand Compactor	Compactors	2	5.8	8	Gas	1
A-4 At Grade4-301	CAT 988	Tractors/Loaders/Backhoes	2	6.9	375	Diesel	52
A-4 At Grade4-301	CAT 966	Tractors/Loaders/Backhoes	2	6.9	210	Diesel	28
A-4 At Grade4-301	CAT 815	Compactors	2	6.9	216	Diesel	28
A-4 At Grade4-301	Jackson Tamper	Jackson Tamper	2	6.9	450	Diesel	52
A-4 At Grade4-302	CAT 349F	Excavtors	2	6.9	396	Diesel	56
A-4 At Grade4-302	CAT 420F	Tractors/Loaders/Backhoes	2	6.9	93	Diesel	14
A-4 At Grade4-302	CAT 966	Tractors/Loaders/Backhoes	2	6.9	210	Diesel	28
A-4 At Grade4-302	CAT 815	Compactors	2	6.9	216	Diesel	28
A-4 At Grade4-302	Hand Compactor	Compactors	2	6.9	8	Gas	1
A-4 At Grade2-101	Ditch Witch RT45	Trenchers	1	5.6	49	Diesel	11
A-4 At Grade2-101	CAT 926 E	Tractors/Loaders/Backhoes	2	4.8	110	Diesel	10
A-4 At Grade2-101	Hand Compactor	Compactors	2	4.8	8	Gas	1
A-4 At Grade2-102	CAT D8N	Bulldozers	1	7.9	285	Diesel	103
A-4 At Grade2-102	CAT 926 E	Tractors/Loaders/Backhoes	1	7.9	110	Diesel	32
A-4 At Grade2-102	Grove GMK5240	Cranes	1	7.9	165	Diesel	48
A-4 At Grade2-103	CAT D8N	Bulldozers	1	7.2	285	Diesel	94
A-4 At Grade2-103	CAT 966	Tractors/Loaders/Backhoes	2	4.0	210	Diesel	16
A-4 At Grade2-103	Grove GMK5240	Cranes	1	4.0	165	Diesel	24
A-4 At Grade2-201	CAT 623	Scrapers	3	5.7	365	Diesel	28
A-4 At Grade2-201	CAT 14G	Motor Graders	3	6.2	200	Diesel	17
A-4 At Grade2-201	CAT 815	Compactors	3	6.2	216	Diesel	17
A-4 At Grade2-201	Hand Compactor	Compactors	3	5.7	8	Gas	1
A-4 At Grade2-301	CAT 988	Tractors/Loaders/Backhoes	3	7.1	375	Diesel	36
A-4 At Grade2-301	CAT 966	Tractors/Loaders/Backhoes	3	7.1	210	Diesel	19
A-4 At Grade2-301	CAT 815	Compactors	3	7.1	216	Diesel	19
A-4 At Grade2-301	Jackson Tamper	Jackson Tamper	3	7.1	450	Diesel	36
A-4 At Grade2-302	CAT 349F	Excavtors	3	7.1	396	Diesel	38
A-4 At Grade2-302	CAT 420F	Tractors/Loaders/Backhoes	3	7.1	93	Diesel	9
A-4 At Grade2-302	CAT 966	Tractors/Loaders/Backhoes	3	7.1	210	Diesel	19
A-4 At Grade2-302	CAT 815	Compactors	3	7.1	216	Diesel	19
A-4 At Grade2-302	Hand Compactor	Compactors	3	7.1	8	Gas	1

Code	Trips/Day	RT Mi/Trip	Fuel
4KS-101	28	72	Gas
4KS-102	20	72	Gas
4KS-201	20	72	Gas
4KS-202	28	72	Gas
4KS-203	28	72	Gas
4KS-301	20	72	Gas
4KS-302	62	72	Gas
4KS-303	22	72	Gas
4KS-401	20	72	Gas
4KS-402	30	72	Gas
4KS-403	18	72	Gas
4KS-501	2	72	Gas
MS-101	28	72	Gas
MS-102	20	72	Gas
MS-201	20	72	Gas
MS-202	28	72	Gas
MS-203	28	72	Gas
MS-301	20	72	Gas
MS-302	62	72	Gas
MS-303	22	72	Gas
MS-401	20	72	Gas
MS-402	30	72	Gas
MS-403	18	72	Gas
MS-501	2	72	Gas
LMF-101	28	72	Gas
LMF-102	40	72	Gas
LMF-201	28	72	Gas
LMF-202	20	72	Gas
LMF-203	18	72	Gas
LMF-301	20	72	Gas
LMF-302	62	72	Gas
LMF-303	22	72	Gas
LMF-401	20	72	Gas
LMF-402	18	72	Gas
LMF-403	18	72	Gas
LMF-501	24	72	Gas
LMF-502	14	72	Gas
A-1 At Grade4-101	26	72	Gas
A-1 At Grade4-102	28	72	Gas
A-1 At Grade4-103	70	72	Gas
A-1 At Grade4-201	181	72	Gas
A-1 At Grade4-301	199	72	Gas
A-1 At Grade4-302	25	72	Gas
A-1 At Grade2-101	38	72	Gas
A-1 At Grade2-102	40	72	Gas
A-1 At Grade2-103	85	72	Gas
A-1 At Grade2-201	316	72	Gas
A-1 At Grade2-301	362	72	Gas
A-1 At Grade2-302	45	72	Gas
A-2 Berm2-101	27	72	Gas
A-2 Berm2-102	21	72	Gas
A-2 Berm2-103	11	72	Gas
A-2 Berm2-104	21	72	Gas
A-2 Berm2-201	21	72	Gas
A-2 Berm2-202	113	72	Gas
A-2 Berm2-203	13	72	Gas
A-2 Berm2-401	108	72	Gas
A-2 Berm2-402	13	72	Gas

Code	Trips/Day	RT Mi/Trip	Fuel
A-2 At Grade4-101	24	72	Gas
A-2 At Grade4-102	26	72	Gas
A-2 At Grade4-103	29	72	Gas
A-2 At Grade4-201	103	72	Gas
A-2 At Grade4-301	108	72	Gas
A-2 At Grade4-302	14	72	Gas
A-2 At Grade2-101	29	72	Gas
A-2 At Grade2-102	31	72	Gas
A-2 At Grade2-103	66	72	Gas
A-2 At Grade2-201	245	72	Gas
A-2 At Grade2-301	280	72	Gas
A-2 At Grade2-302	35	72	Gas
A-3 Berm2-101	28	72	Gas
A-3 Berm2-102	19	72	Gas
A-3 Berm2-103	9	72	Gas
A-3 Berm2-104	21	72	Gas
A-3 Berm2-201	22	72	Gas
A-3 Berm2-202	119	72	Gas
A-3 Berm2-203	14	72	Gas
A-3 Berm2-401	113	72	Gas
A-3 Berm2-402	14	72	Gas
A-3 At Grade2-101	67	72	Gas
A-3 At Grade2-102	72	72	Gas
A-3 At Grade2-103	153	72	Gas
A-3 At Grade2-201	567	72	Gas
A-3 At Grade2-301	649	72	Gas
A-3 At Grade2-302	81	72	Gas
B-3 Berm4-101	32	72	Gas
B-3 Berm4-102	32	72	Gas
B-3 Berm4-103	17	72	Gas
B-3 Berm4-104	12	72	Gas
B-3 Berm4-201	65	72	Gas
B-3 Berm4-202	842	72	Gas
B-3 Berm4-203	98	72	Gas
B-3 Berm4-401	446	72	Gas
B-3 Berm4-402	56	72	Gas
B-3 Berm2-101	28	72	Gas
B-3 Berm2-102	32	72	Gas
B-3 Berm2-103	28	72	Gas
B-3 Berm2-104	20	72	Gas
B-3 Berm2-201	22	72	Gas
B-3 Berm2-202	120	72	Gas
B-3 Berm2-203	14	72	Gas
B-3 Berm2-401	112	72	Gas
B-3 Berm2-402	14	72	Gas
B-3 At Grade4-101	25	72	Gas
B-3 At Grade4-102	27	72	Gas
B-3 At Grade4-103	60	72	Gas
B-3 At Grade4-201	108	72	Gas
B-3 At Grade4-301	109	72	Gas
B-3 At Grade4-302	14	72	Gas
B-3 At Grade2-101	45	72	Gas
B-3 At Grade2-102	49	72	Gas
B-3 At Grade2-103	102	72	Gas
B-3 At Grade2-201	380	72	Gas
B-3 At Grade2-301	435	72	Gas
B-3 At Grade2-302	54	72	Gas
A-4 At Grade4-101	25	72	Gas

Code	Trips/Day	RT Mi/Trip	Fuel
A-4 At Grade4-102	27	72	Gas
A-4 At Grade4-103	68	72	Gas
A-4 At Grade4-201	177	72	Gas
A-4 At Grade4-301	194	72	Gas
A-4 At Grade4-302	24	72	Gas
A-4 At Grade2-101	31	72	Gas
A-4 At Grade2-102	33	72	Gas
A-4 At Grade2-103	70	72	Gas
A-4 At Grade2-201	261	72	Gas
A-4 At Grade2-301	298	72	Gas
A-4 At Grade2-302	37	72	Gas

Code	Vehicle	Trucks/Day	RT Mi/ Truck	Fuel	Fuel (gal/day/veh)
4KS-101	Truck, End Dump, 10-13cy, Hwy	1	40	Diesel	51
4KS-101	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
4KS-102	Truck, End Dump, 10-13cy, Hwy	1	40	Diesel	51
4KS-102	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
4KS-201	Truck, End Dump, 10-13cy, Hwy	1	20	Diesel	25
4KS-201	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
4KS-202	Truck, End Dump, 10-13cy, Hwy	2	30	Diesel	38
4KS-202	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
4KS-203	Transit Mix Truck, 10cy	1	25	Diesel	51
4KS-203	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
4KS-301	Truck, Flatbed, 10T, Hwy	1	10	Diesel	6
4KS-301	Truck, Water, 4 mgal, Hwy	1	30	Diesel	17
4KS-302	Truck, Flatbed, 10T, Hwy	1	10	Diesel	6
4KS-302	Transit Mix Truck, 10cy	1	3	Diesel	5
4KS-302	Truck, Water, 4 mgal, Hwy	1	10	Diesel	6
4KS-303	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
4KS-401	Transit Mix Truck, 10cy	1	20	Diesel	41
4KS-401	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
4KS-402	Truck, End Dump, 10-13cy, Hwy	4	40	Diesel	51
4KS-402	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
4KS-403	Truck, End Dump, 10-13cy, Hwy	1	27	Diesel	34
4KS-403	Truck, Water, 4 mgal, Hwy	1	13	Diesel	8
MS-101	Truck, End Dump, 10-13cy, Hwy	1	40	Diesel	51
MS-101	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
MS-102	Truck, End Dump, 10-13cy, Hwy	1	40	Diesel	51
MS-102	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
MS-201	Truck, End Dump, 10-13cy, Hwy	1	20	Diesel	25
MS-201	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
MS-202	Truck, End Dump, 10-13cy, Hwy	2	30	Diesel	38
MS-202	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
MS-203	Transit Mix Truck, 10cy	1	25	Diesel	51
MS-203	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
MS-301	Truck, Flatbed, 10T, Hwy	1	10	Diesel	6
MS-301	Truck, Water, 4 mgal, Hwy	1	30	Diesel	17
MS-302	Truck, Flatbed, 10T, Hwy	1	10	Diesel	6
MS-302	Transit Mix Truck, 10cy	1	3	Diesel	5
MS-302	Truck, Water, 4 mgal, Hwy	1	10	Diesel	6
MS-303	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
MS-401	Transit Mix Truck, 10cy	1	20	Diesel	41
MS-401	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
MS-402	Truck, End Dump, 10-13cy, Hwy	4	40	Diesel	51
MS-402	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
MS-403	Truck, End Dump, 10-13cy, Hwy	1	27	Diesel	34
MS-403	Truck, Water, 4 mgal, Hwy	1	13	Diesel	8
LMF-101	Truck, End Dump, 10-13cy, Hwy	2	40	Diesel	51
LMF-101	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
LMF-102	Truck, End Dump, 10-13cy, Hwy	10	40	Diesel	51
LMF-102	Truck, Water, 4 mgal, Hwy	2	40	Diesel	23
LMF-201	Truck, End Dump, 10-13cy, Hwy	1	40	Diesel	51
LMF-201	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
LMF-202	Truck, End Dump, 10-13cy, Hwy	1	20	Diesel	25
LMF-202	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
LMF-203	Transit Mix Truck, 10cy	1	20	Diesel	41
LMF-203	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
LMF-301	Truck, Flatbed, 10T, Hwy	1	40	Diesel	24
LMF-301	Truck, Water, 4 mgal, Hwy	1	10	Diesel	6
LMF-302	Transit Mix Truck, 10cy	1	10	Diesel	21
LMF-302	Truck, Water, 4 mgal, Hwy	1	5	Diesel	3
LMF-303	Truck, End Dump, 10-13cy, Hwy	1	20	Diesel	25
LMF-303	Truck, Water, 4 mgal, Hwy	1	10	Diesel	6
LMF-401	Transit Mix Truck, 10cy	1	20	Diesel	41

Code	Vehicle	Trucks/Day	RT Mi/ Truck	Fuel	Fuel (gal/day/veh)
LMF-401	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
LMF-402	Truck, End Dump, 10-13cy, Hwy	2	30	Diesel	38
LMF-402	Truck, Water, 4 mgal, Hwy	1	30	Diesel	17
LMF-403	Truck, End Dump, 10-13cy, Hwy	1	20	Diesel	25
LMF-403	Truck, Water, 4 mgal, Hwy	1	20	Diesel	12
LMF-501	Truck, End Dump, 10-13cy, Hwy	4	40	Diesel	51
LMF-501	Truck, Water, 4 mgal, Hwy	1	30	Diesel	17
LMF-502	Truck, Flatbed, 10T, Hwy	1	40	Diesel	24
A-1 At Grade4-101	Truck, End Dump, 10-13cy, Hwy	1	39	Diesel	50
A-1 At Grade4-101	Truck, Water, 4 mgal, Hwy	1	39	Diesel	23
A-1 At Grade4-102	Truck, End Dump, 10-13cy, Hwy	2	39	Diesel	50
A-1 At Grade4-102	Truck, Water, 4 mgal, Hwy	1	39	Diesel	23
A-1 At Grade4-103	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
A-1 At Grade4-201	Truck, End Dump, 10-13cy, Hwy	70	37	Diesel	47
A-1 At Grade4-201	Truck, Water, 4 mgal, Hwy	2	32	Diesel	19
A-1 At Grade4-301	Truck, End Dump, 10-13cy, Hwy	75	38	Diesel	48
A-1 At Grade4-301	Truck, Water, 4 mgal, Hwy	2	36	Diesel	21
A-1 At Grade4-302	Truck, Flatbed, 10T, Hwy	2	36	Diesel	22
A-1 At Grade2-101	Truck, End Dump, 10-13cy, Hwy	2	29	Diesel	37
A-1 At Grade2-101	Truck, Water, 4 mgal, Hwy	2	29	Diesel	17
A-1 At Grade2-102	Truck, End Dump, 10-13cy, Hwy	3	38	Diesel	49
A-1 At Grade2-102	Truck, Water, 4 mgal, Hwy	2	29	Diesel	17
A-1 At Grade2-103	Truck, Water, 4 mgal, Hwy	2	24	Diesel	14
A-1 At Grade2-201	Truck, End Dump, 10-13cy, Hwy	113	40	Diesel	51
A-1 At Grade2-201	Truck, Water, 4 mgal, Hwy	3	38	Diesel	22
A-1 At Grade2-301	Truck, End Dump, 10-13cy, Hwy	130	40	Diesel	51
A-1 At Grade2-301	Truck, Water, 4 mgal, Hwy	4	32	Diesel	19
A-1 At Grade2-302	Truck, Flatbed, 10T, Hwy	4	32	Diesel	20
A-2 Berm2-101	Truck, End Dump, 10-13cy, Hwy	1	38	Diesel	49
A-2 Berm2-101	Truck, Water, 4 mgal, Hwy	1	38	Diesel	22
A-2 Berm2-102	Truck, End Dump, 10-13cy, Hwy	2	26	Diesel	33
A-2 Berm2-102	Truck, Water, 4 mgal, Hwy	1	26	Diesel	15
A-2 Berm2-103	Truck, End Dump, 10-13cy, Hwy	1	31	Diesel	40
A-2 Berm2-103	Truck, Water, 4 mgal, Hwy	1	16	Diesel	9
A-2 Berm2-104	Truck, Water, 4 mgal, Hwy	1	42	Diesel	24
A-2 Berm2-104	Transit Mix Truck, 10cy	1	42	Diesel	86
A-2 Berm2-201	Truck, Flatbed, 10T, Hwy	1	38	Diesel	23
A-2 Berm2-202	Truck, End Dump, 10-13cy, Hwy	25	36	Diesel	46
A-2 Berm2-202	Truck, Water, 4 mgal, Hwy	1	38	Diesel	22
A-2 Berm2-203	Truck, Water, 4 mgal, Hwy	1	38	Diesel	22
A-2 Berm2-401	Truck, End Dump, 10-13cy, Hwy	40	38	Diesel	49
A-2 Berm2-401	Truck, Water, 4 mgal, Hwy	1	38	Diesel	22
A-2 Berm2-402	Truck, Flatbed, 10T, Hwy	1	38	Diesel	24
A-2 At Grade4-101	Truck, End Dump, 10-13cy, Hwy	1	37	Diesel	47
A-2 At Grade4-101	Truck, Water, 4 mgal, Hwy	1	37	Diesel	21
A-2 At Grade4-102	Truck, End Dump, 10-13cy, Hwy	2	37	Diesel	47
A-2 At Grade4-102	Truck, Water, 4 mgal, Hwy	1	37	Diesel	21
A-2 At Grade4-103	Truck, Water, 4 mgal, Hwy	1	17	Diesel	10
A-2 At Grade4-201	Truck, End Dump, 10-13cy, Hwy	40	37	Diesel	47
A-2 At Grade4-201	Truck, Water, 4 mgal, Hwy	1	37	Diesel	21
A-2 At Grade4-301	Truck, End Dump, 10-13cy, Hwy	40	39	Diesel	49
A-2 At Grade4-301	Truck, Water, 4 mgal, Hwy	1	39	Diesel	22
A-2 At Grade4-302	Truck, Flatbed, 10T, Hwy	1	39	Diesel	24
A-2 At Grade2-101	Truck, End Dump, 10-13cy, Hwy	2	22	Diesel	28
A-2 At Grade2-101	Truck, Water, 4 mgal, Hwy	2	22	Diesel	13
A-2 At Grade2-102	Truck, End Dump, 10-13cy, Hwy	3	30	Diesel	38
A-2 At Grade2-102	Truck, Water, 4 mgal, Hwy	2	22	Diesel	13
A-2 At Grade2-103	Truck, Water, 4 mgal, Hwy	1	38	Diesel	22
A-2 At Grade2-201	Truck, End Dump, 10-13cy, Hwy	88	40	Diesel	51
A-2 At Grade2-201	Truck, Water, 4 mgal, Hwy	3	29	Diesel	17
A-2 At Grade2-301	Truck, End Dump, 10-13cy, Hwy	101	40	Diesel	50

Code	Vehicle	Trucks/Day	RT Mi/ Truck	Fuel	Fuel (gal/day/veh)
A-2 At Grade2-301	Truck, Water, 4 mgal, Hwy	3	33	Diesel	19
A-2 At Grade2-302	Truck, Flatbed, 10T, Hwy	3	33	Diesel	20
A-3 Berm2-101	Truck, End Dump, 10-13cy, Hwy	1	40	Diesel	51
A-3 Berm2-101	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
A-3 Berm2-102	Truck, End Dump, 10-13cy, Hwy	2	24	Diesel	30
A-3 Berm2-102	Truck, Water, 4 mgal, Hwy	1	24	Diesel	14
A-3 Berm2-103	Truck, End Dump, 10-13cy, Hwy	1	26	Diesel	33
A-3 Berm2-103	Truck, Water, 4 mgal, Hwy	1	13	Diesel	7
A-3 Berm2-104	Truck, Water, 4 mgal, Hwy	1	42	Diesel	24
A-3 Berm2-104	Transit Mix Truck, 10cy	1	42	Diesel	87
A-3 Berm2-201	Truck, Flatbed, 10T, Hwy	1	40	Diesel	24
A-3 Berm2-202	Truck, End Dump, 10-13cy, Hwy	25	38	Diesel	48
A-3 Berm2-202	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
A-3 Berm2-203	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
A-3 Berm2-401	Truck, End Dump, 10-13cy, Hwy	40	40	Diesel	51
A-3 Berm2-401	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
A-3 Berm2-402	Truck, Flatbed, 10T, Hwy	1	40	Diesel	25
A-3 At Grade2-101	Truck, End Dump, 10-13cy, Hwy	3	34	Diesel	44
A-3 At Grade2-101	Truck, Water, 4 mgal, Hwy	3	34	Diesel	20
A-3 At Grade2-102	Truck, End Dump, 10-13cy, Hwy	6	34	Diesel	44
A-3 At Grade2-102	Truck, Water, 4 mgal, Hwy	3	34	Diesel	20
A-3 At Grade2-103	Truck, Water, 4 mgal, Hwy	3	29	Diesel	17
A-3 At Grade2-201	Truck, End Dump, 10-13cy, Hwy	210	39	Diesel	49
A-3 At Grade2-201	Truck, Water, 4 mgal, Hwy	6	34	Diesel	20
A-3 At Grade2-301	Truck, End Dump, 10-13cy, Hwy	250	37	Diesel	47
A-3 At Grade2-301	Truck, Water, 4 mgal, Hwy	6	39	Diesel	22
A-3 At Grade2-302	Truck, Flatbed, 10T, Hwy	6	39	Diesel	24
B-3 Berm4-101	Truck, End Dump, 10-13cy, Hwy	2	23	Diesel	29
B-3 Berm4-101	Truck, Water, 4 mgal, Hwy	2	23	Diesel	13
B-3 Berm4-102	Truck, End Dump, 10-13cy, Hwy	2	40	Diesel	51
B-3 Berm4-102	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
B-3 Berm4-103	Truck, End Dump, 10-13cy, Hwy	2	24	Diesel	31
B-3 Berm4-103	Truck, Water, 4 mgal, Hwy	1	24	Diesel	14
B-3 Berm4-104	Truck, Water, 4 mgal, Hwy	1	24	Diesel	14
B-3 Berm4-104	Transit Mix Truck, 10cy	1	18	Diesel	37
B-3 Berm4-201	Truck, Flatbed, 10T, Hwy	4	39	Diesel	24
B-3 Berm4-202	Truck, End Dump, 10-13cy, Hwy	167	40	Diesel	51
B-3 Berm4-202	Truck, Water, 4 mgal, Hwy	7	40	Diesel	23
B-3 Berm4-203	Truck, Water, 4 mgal, Hwy	7	40	Diesel	23
B-3 Berm4-401	Truck, End Dump, 10-13cy, Hwy	160	40	Diesel	51
B-3 Berm4-401	Truck, Water, 4 mgal, Hwy	4	40	Diesel	23
B-3 Berm4-402	Truck, Flatbed, 10T, Hwy	4	40	Diesel	24
B-3 Berm2-101	Truck, End Dump, 10-13cy, Hwy	1	40	Diesel	51
B-3 Berm2-101	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
B-3 Berm2-102	Truck, End Dump, 10-13cy, Hwy	2	40	Diesel	51
B-3 Berm2-102	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
B-3 Berm2-103	Truck, End Dump, 10-13cy, Hwy	2	40	Diesel	51
B-3 Berm2-103	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
B-3 Berm2-104	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
B-3 Berm2-104	Transit Mix Truck, 10cy	1	40	Diesel	82
B-3 Berm2-201	Truck, Flatbed, 10T, Hwy	1	40	Diesel	24
B-3 Berm2-202	Truck, End Dump, 10-13cy, Hwy	24	40	Diesel	50
B-3 Berm2-202	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
B-3 Berm2-203	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
B-3 Berm2-401	Truck, End Dump, 10-13cy, Hwy	40	40	Diesel	51
B-3 Berm2-401	Truck, Water, 4 mgal, Hwy	1	40	Diesel	23
B-3 Berm2-402	Truck, Flatbed, 10T, Hwy	1	40	Diesel	24
B-3 At Grade4-101	Truck, End Dump, 10-13cy, Hwy	1	39	Diesel	49
B-3 At Grade4-101	Truck, Water, 4 mgal, Hwy	1	39	Diesel	22
B-3 At Grade4-102	Truck, End Dump, 10-13cy, Hwy	2	39	Diesel	49
B-3 At Grade4-102	Truck, Water, 4 mgal, Hwy	1	39	Diesel	22

Code	Vehicle	Trucks/Day	RT Mi/ Truck	Fuel	Fuel (gal/day/veh)
B-3 At Grade4-103	Truck, Water, 4 mgal, Hwy	1	35	Diesel	20
B-3 At Grade4-201	Truck, End Dump, 10-13cy, Hwy	40	39	Diesel	49
B-3 At Grade4-201	Truck, Water, 4 mgal, Hwy	1	39	Diesel	22
B-3 At Grade4-301	Truck, End Dump, 10-13cy, Hwy	40	39	Diesel	49
B-3 At Grade4-301	Truck, Water, 4 mgal, Hwy	1	39	Diesel	22
B-3 At Grade4-302	Truck, Flatbed, 10T, Hwy	1	39	Diesel	24
B-3 At Grade2-101	Truck, End Dump, 10-13cy, Hwy	2	35	Diesel	44
B-3 At Grade2-101	Truck, Water, 4 mgal, Hwy	2	35	Diesel	20
B-3 At Grade2-102	Truck, End Dump, 10-13cy, Hwy	4	35	Diesel	44
B-3 At Grade2-102	Truck, Water, 4 mgal, Hwy	2	35	Diesel	20
B-3 At Grade2-103	Truck, Water, 4 mgal, Hwy	2	29	Diesel	17
B-3 At Grade2-201	Truck, End Dump, 10-13cy, Hwy	140	39	Diesel	49
B-3 At Grade2-201	Truck, Water, 4 mgal, Hwy	4	34	Diesel	20
B-3 At Grade2-301	Truck, End Dump, 10-13cy, Hwy	156	40	Diesel	51
B-3 At Grade2-301	Truck, Water, 4 mgal, Hwy	4	39	Diesel	22
B-3 At Grade2-302	Truck, Flatbed, 10T, Hwy	4	39	Diesel	24
A-4 At Grade4-101	Truck, End Dump, 10-13cy, Hwy	1	38	Diesel	49
A-4 At Grade4-101	Truck, Water, 4 mgal, Hwy	1	38	Diesel	22
A-4 At Grade4-102	Truck, End Dump, 10-13cy, Hwy	2	38	Diesel	49
A-4 At Grade4-102	Truck, Water, 4 mgal, Hwy	1	38	Diesel	22
A-4 At Grade4-103	Truck, Water, 4 mgal, Hwy	1	39	Diesel	22
A-4 At Grade4-201	Truck, End Dump, 10-13cy, Hwy	65	39	Diesel	49
A-4 At Grade4-201	Truck, Water, 4 mgal, Hwy	2	32	Diesel	18
A-4 At Grade4-301	Truck, End Dump, 10-13cy, Hwy	72	39	Diesel	49
A-4 At Grade4-301	Truck, Water, 4 mgal, Hwy	2	35	Diesel	20
A-4 At Grade4-302	Truck, Flatbed, 10T, Hwy	2	35	Diesel	21
A-4 At Grade2-101	Truck, End Dump, 10-13cy, Hwy	2	24	Diesel	30
A-4 At Grade2-101	Truck, Water, 4 mgal, Hwy	2	24	Diesel	14
A-4 At Grade2-102	Truck, End Dump, 10-13cy, Hwy	3	32	Diesel	40
A-4 At Grade2-102	Truck, Water, 4 mgal, Hwy	2	24	Diesel	14
A-4 At Grade2-103	Truck, Water, 4 mgal, Hwy	2	20	Diesel	12
A-4 At Grade2-201	Truck, End Dump, 10-13cy, Hwy	94	40	Diesel	50
A-4 At Grade2-201	Truck, Water, 4 mgal, Hwy	3	31	Diesel	18
A-4 At Grade2-301	Truck, End Dump, 10-13cy, Hwy	107	40	Diesel	51
A-4 At Grade2-301	Truck, Water, 4 mgal, Hwy	3	36	Diesel	21
A-4 At Grade2-302	Truck, Flatbed, 10T, Hwy	3	36	Diesel	22

Code	Trip/Day	RT Mi/Trip	Fuel	Fuel (gal/day)
4KS-101	6	80	Diesel	329
MS-101	6	80	Diesel	329
LMF-101	0	0	Diesel	0
A-1 At Grade4-103	8	450	Diesel	2,469
A-1 At Grade2-103	4	450	Diesel	1,234
A-2 Berm2-103	8	450	Diesel	2,469
A-2 At Grade4-103	8	450	Diesel	2,469
A-2 At Grade2-103	4	450	Diesel	1,234
A-3 Berm2-103	8	450	Diesel	2,469
A-3 At Grade2-103	4	450	Diesel	1,234
B-3 Berm4-103	8	400	Diesel	2,194
B-3 Berm2-103	8	450	Diesel	2,469
B-3 At Grade4-103	8	450	Diesel	2,469
B-3 At Grade2-103	4	450	Diesel	1,234
A-4 At Grade4-103	8	450	Diesel	2,469
A-4 At Grade2-103	4	450	Diesel	1,234

Code	Grading (acres/day)	Cut/fill (cy/day)	Dozing (hr/day)
4KS-101	0.00	0.0	6
4KS-102	1.50	0.0	0
MS-101	0.00	0.0	6
MS-102	1.50	0.0	0
LMF-101	0.00	0.0	8
LMF-102	4.50	0.0	0
LMF-501	0.00	0.0	6
A-1_At Grade4-101	0.00	21.9	0
A-1_At Grade4-102	0.00	0.0	7
A-1_At Grade4-103	0.09	0.0	7
A-1_At Grade4-201	0.01	33.0	0
A-1_At Grade2-101	0.01	32.1	0
A-1_At Grade2-103	0.42	0.0	9
A-1_At Grade2-201	0.03	83.6	0
A-1_At Grade2-102	0.00	0.0	10
A-2_Berm2-101	0.00	42.7	0
A-2_Berm2-102	0.00	0.0	5
A-2_Berm2-103	0.04	60.8	3
A-2_Berm2-202	0.00	153.2	7
A-2_At Grade4-101	0.00	41.0	0
A-2_At Grade4-102	0.00	0.0	6
A-2_At Grade4-103	0.02	0.0	3
A-2_At Grade4-201	0.00	37.5	0
A-2_At Grade2-101	0.01	49.7	0
A-2_At Grade2-102	0.00	0.0	7
A-2_At Grade2-103	0.25	0.0	7
A-2_At Grade2-201	0.02	129.6	0
A-3_Berm2-101	0.00	44.7	0
A-3_Berm2-102	0.00	0.0	5
A-3_Berm2-103	0.03	50.0	3
A-3_Berm2-202	0.00	162.0	8
A-3_At Grade2-101	0.01	115.0	0
A-3_At Grade2-102	0.00	0.0	17
A-3_At Grade2-103	1.34	0.0	16
A-3_At Grade2-201	0.05	299.9	0
B-3_Berm4-101	0.01	51.0	0
B-3_Berm4-103	0.04	61.1	5
B-3_Berm4-202	0.06	980.3	53
B-3_Berm2-101	0.00	44.4	0
B-3_Berm2-103	0.10	155.6	8
B-3_Berm2-202	0.00	163.0	8
B-3_At Grade4-101	0.00	43.0	0
B-3_At Grade4-102	0.00	0.0	6
B-3_At Grade4-103	0.03	0.0	6
B-3_At Grade4-201	0.00	39.3	0
B-3_At Grade2-101	0.01	77.2	0
B-3_At Grade2-102	0.00	0.0	12
B-3_At Grade2-103	0.61	0.0	11
B-3_At Grade2-201	0.03	201.2	0
A-4_At Grade4-101	0.00	42.7	0
A-4_At Grade4-102	0.00	0.0	6
A-4_At Grade4-103	0.08	0.0	7
A-4_At Grade4-201	0.01	64.3	0
A-4_At Grade2-101	0.01	52.9	0
A-4_At Grade2-102	0.00	0.0	8
A-4_At Grade2-103	0.28	0.0	7
A-4_At Grade2-201	0.02	137.9	0

Code	Demo (sf/day)
4KS-101	0
MS-101	0
LMF-101	5,239
A-1_At Grade4-102	0
A-2_Berm2-102	223
A-2_At Grade4-102	223
A-2_At Grade2-102	223
A-3_Berm2-102	49
A-3_At Grade2-102	49
B-3_Berm4-102	180
B-3_Berm2-102	180
B-3_At Grade4-102	180
B-3_At Grade2-102	180
A-4_At Grade4-102	0
A-4_At Grade2-102	0

Code	Paving Year	Paving Days	Paved (sf/day)
4KS-402	2023	20	15,000
MS-402	2023	20	15,000
LMF-402	2022	15	16,000
A-1_At Grade4-101	2024	40	400
A-1_At Grade4-201	2025	5	4,000
A-1_At Grade2-101	2024	30	1,000
A-1_At Grade2-201	2025	7	8,000
A-2_Berm2-101	2021	12	400
A-2_Berm2-401	2025	5	1,000
A-2_At Grade4-101	2022	20	400
A-2_At Grade4-201	2024	2	4,000
A-2_At Grade2-101	2024	25	1,000
A-2_At Grade2-201	2025	8	5,000
A-3_Berm2-101	2021	18	400
A-3_Berm2-401	2025	7	1,000
A-3_At Grade2-101	2024	50	400
A-3_At Grade2-201	2025	23	5,000
B-3_Berm4-101	2023	90	400
B-3_Berm4-401	2025	6	5,000
B-3_Berm2-101	2021	7	200
B-3_Berm2-401	2024	4	400
B-3_At Grade4-101	2022	18	400
B-3_At Grade4-201	2024	7	1,000
B-3_At Grade2-101	2024	35	1,000
B-3_At Grade2-201	2025	16	4,000
A-4_At Grade4-101	2024	40	400
A-4_At Grade4-201	2025	5	4,000
A-4_At Grade2-101	2024	25	1,000
A-4_At Grade2-201	2025	6	8,000

Code	Coating Year	Coating Days	Coated (sf/day)
4KS-302	2023	20	1,000
MS-302	2023	20	5,000
LMF-302	2022	50	10,000

No use of electric construction equipment is anticipated for FJ section.

CA HIGH SPEED RAIL, SAN FRANCISCO - SAN JOSE SECTION EIR/EIS -- AMBIENT SOURCES FOR CUMULATIVE HEALTH RISK ASSESSMENT

Source: BAAQMD						Unadjusted			Adjusted		
Subsection	ID	Name	Address	Type (Adjustment needed?)	Source Distance to Property (ft)	Risk from BAAQMD PM2.5	Google Earth Files Cancer	Chronic HI	With Generator and GDF Multipliers PM2.5	Risk	Chronic HI
Construction											
4th and King to Linden Ave, Option 1	568	San Francisco South East Treatment Plant	1700 JERROLD AVENUE	Multiple	650	11.4	126.8	3.5	11.4	126.8	3.5
	6127	Central Shops/City & County of San Francisco	1800 Jerrold Avenue	Multiple	915	1.6	1198.4	0.6	1.6	1198.4	0.6
	-	Roads	-	-	-	0.0	15.9	0.0	0.0	15.9	0.0
	-	Rail	-	-	-	0.3	13.9	0.1	0.3	13.9	0.1
4th and King to Linden Ave, Option 2	0	200 Paul Avenue LLC, c/o Digital Realty	200 PAUL AVE, BLDG F, 5TH FLOOR	Generator (Y)	80	0.1	93.6	0.1	0.1	93.6	0.1
	23889	Astound Broadband	200 PAUL AVENUE	Generator (Y)	80	0.0	1.1	0.0	0.0	1.1	0.0
	14207	XO Communications Inc	200 PAUL AVENUE	Generator (Y)	80	0.0	23.7	0.0	0.0	23.7	0.0
	18112	Level 3 Communications LLC	200 PAUL AVENUE	Generator (Y)	80	0.0	18.4	0.0	0.0	18.4	0.0
	13895	Qwest Communications Corporation	200 PAUL AVENUE	Generator (Y)	195	0.0	16.7	0.0	0.0	8.3	0.0
	15337	Verizon Global Networks	200 PAUL AVENUE	Generator (Y)	80	0.0	11.5	0.0	0.0	11.5	0.0
	17320	T-Mobile USA Inc	200 PAUL AVENUE	Generator (Y)	80	0.0	13.6	0.0	0.0	13.6	0.0
	13520	Pacific Bell	6150 3RD STREET	Generator (Y)	445	0.1	93.0	0.0	0.0	13.9	0.0
	-	Roads	-	-	-	0.0	20.8	0.0	0.0	20.8	0.0
	-	Rail	-	-	-	0.5	24.0	0.1	0.5	24.0	0.1
	4th and King to Linden Ave, PM	19810	EBI Aggregates	#1 OLD QUARRY ROAD	Multiple	40	65.9	0.3	0.0	65.9	0.3
23549		VWR Scientific Products	3745 BAYSHORE BLVD	Generator (Y)	525	0.1	42.3	0.0	0.0	4.2	0.0
-		Roads	-	-	-	0.0	13.9	0.0	0.0	13.9	0.0
-		Rail	-	-	-	0.2	10.6	0.0	0.2	10.6	0.0
Linden Ave to 9th Ave	112267	Third Street Shell	611 E 3rd Ave	Gasoline Dispensing (Y)	275	0.0	43.2	0.2	0.0	5.4	0.0
		ARCO #00515 - ARTHUR									
	108927	KWAN	300 So Delaware Street	Gasoline Dispensing (Y)	130	0.0	50.7	0.3	0.0	22.6	0.1
	110792	Gas and Shop	609 E 4th Avenue	Gasoline Dispensing (Y)	140	0.0	67.6	0.3	0.0	24.7	0.1
	112208	Tad's 76	402 S Delaware St	Gasoline Dispensing (Y)	130	0.0	79.5	0.4	0.0	35.4	0.2
	112491	San Mateo Gas Co	706 E 4th Ave	Gasoline Dispensing (Y)	430	0.0	34.3	0.2	0.0	2.0	0.0
	9555	San Mateo Lumber Co , Inc	501 So Claremont St	Woodworking	450	6.5	0.0	0.0	6.5	0.0	0.0
	-	Roads	-	-	-	0.0	6.2	0.0	0.0	6.2	0.0
-	Rail	-	-	-	0.2	6.7	0.0	0.2	6.7	0.0	
9th Ave to San Antonio Rd, Option 1	108613	ARCO Facility #04495 - STEPHEN NG	1950 S Delaware St	Gasoline Dispensing (Y)	135	0.0	196.8	1.0	0.0	71.8	0.4
	112373	San Mateo Exxon	404 19th Ave	Gasoline Dispensing (Y)	60	0.0	40.6	0.2	0.0	40.6	0.2
	17447	City of San Mateo Municipal Service	1949 Pacific Boulevard	Gasoline Dispensing (Y)	720	0.0	10.6	0.1	0.0	0.3	0.0
	-	Roads	-	-	-	0.0	10.6	0.0	0.0	10.6	0.0
	-	Rail	-	-	-	0.6	25.2	0.1	0.6	25.2	0.1

Source: BAAQMD						Unadjusted			Adjusted		
Subsection	ID	Name	Address	Type (Adjustment needed?)	Source Distance to Property (ft)	Risk from BAAQMD PM2.5	Google Earth Files Cancer	Chronic HI	With Generator and GDF Multipliers PM2.5	Risk	Chronic HI
9th Ave to San Antonio Rd, PM	2939	CEMEX Construction	1026 BRANSTEN ROAD	Multiple	600	47.7	0.0	0.0	47.7	0.0	0.0
		Materials Pacific, LL									
	108501	City of San Carlos - Corporation Yard	1000 Bransten Road	Gasoline Dispensing (Y)	510	0.0	7.1	0.0	0.0	0.3	0.0
		14999	Superior Body Shop	956 BRANSTEN ROAD	Surface Coating	830	0.0	0.0	0.0	0.0	0.0
	16364	County Body & Paint	681 OLD COUNTY ROAD	Surface Coating	540	0.0	0.0	0.0	0.0	0.0	0.0
	-	Roads	-	-	-	0.1	34.8	0.0	0.1	34.8	0.0
	-	Rail	-	-	-	0.3	15.7	0.1	0.3	15.7	0.1
9th Ave to San Antonio Rd, Option 2	110752	Pacific Fuel & Auto Service, Inc	4095 Pacific Boulevard	Gasoline Dispensing (Y)	100	0.0	120.4	0.6	0.0	67.3	0.3
	19419	City of Belmont	El Camino Real Blvd & North Rd	Generator (Y)	300	0.0	1.7	0.0	0.0	0.4	0.0
	-	Roads	-	-	-	0.0	10.6	0.0	0.0	10.6	0.0
	-	Rail	-	-	-	0.6	25.2	0.1	0.6	25.2	0.1
San Antonio Rd to Scott Blvd, Option 1	24059	Cyxtera Communications, LLC	1400 Kifer Road	Generator (Y)	430	1.2	885.8	0.5	0.2	132.9	0.1
	13340	Level 3 Communications LLC	1380 Kifer Road	Generator (Y)	500	0.1	112.0	0.2	0.0	13.4	0.0
	17233	City of Santa Clara - Well Site: Zone 1, 21	3305 Agate Drive	Generator (Y)	525	0.0	7.5	0.0	0.0	0.7	0.0
	-	Roads	-	-	-	0.1	53.8	0.0	0.1	53.8	0.0
	-	Rail	-	-	-	0.5	23.3	0.1	0.5	23.3	0.1
San Antonio Rd to Scott Blvd, Option 2	19348	Cisco Systems	364 FERGUSON DRIVE	Generator (Y)	120	0.1	101.4	0.1	0.1	64.9	0.1
	17902	Verizon Wireless (Smiley Tower)	364 FERGUSON DRIVE	Generator (Y)	120	0.0	1.8	0.0	0.0	1.1	0.0
	15184	GTE Operations Support Inc	428 NICHOLAS DRIVE	Soil Vapor Extraction	880	0.0	1.7	0.0	0.0	1.7	0.0
	-	Roads	-	-	-	0.0	25.6	0.0	0.0	25.6	0.0
	-	Rail	-	-	-	0.4	15.8	0.1	0.4	15.8	0.1
San Antonio Rd to Scott Blvd, PM	22123	Calstone Company	1155 Aster Avenue	Multiple	50	9.7	0.0	0.0	9.7	0.0	0.0
	-	Roads	-	-	-	0.2	129.8	0.0	0.2	129.8	0.0
	-	Rail	-	-	-	0.4	15.7	0.1	0.4	15.7	0.1
Stations and LMF											
4th & King Street Station	21661	Academy of Art University	466 Townsend Street	Generator (Y)	830	0.0	7.9	0.0	0.0	0.5	0.0
	21392	888 Brannan, LP	888 Brannan Street	Generator (Y)	845	0.0	14.6	0.0	0.0	0.9	0.0
	16399	Cushman & Wakefield, Agent for Adobe Systems, Inc	601 Townsend	Generator (Y)	120	0.0	20.1	0.0	0.0	12.8	0.0
	21830	Cushman & Wakefield, Property Management	650 Townsend Street	Generator (Y)	425	0.0	8.4	0.0	0.0	1.3	0.0
	20864	650 Townsend Associates LLC	650 Townsend Street	Generator (Y)	455	0.0	2.3	0.0	0.0	0.3	0.0
	13781	VirtuStream, Inc	650 Townsend Street	Generator (Y)	455	0.2	126.9	0.1	0.0	19.0	0.0

Source: BAAQMD						Unadjusted			Adjusted		
Subsection	ID	Name	Address	Type (Adjustment needed?)	Source Distance to Property (ft)	Risk from BAAQMD PM2.5	Google Earth Files Cancer	Chronic HI	With Generator and GDF Multipliers PM2.5	Risk	Chronic HI
		650 Townsend Associates									
	21679	LLC	650 Townsend Street	Generator (Y)	430	0.1	74.0	0.0	0.0	11.1	0.0
		888 7th Street Owners									
	17984	Association	601 King Street	Generator (Y)	485	0.0	0.2	0.0	0.0	0.0	0.0
	3322	Golden Gate Disposal Co	900 7th Street	Surface Coating	850	0.0	0.0	0.0	0.0	0.0	0.0
	14232	Channel Pump Station	455 Berry Street	Generator (Y)	725	0.0	0.9	0.0	0.0	0.1	0.0
		19722 Level 3 Communications LLC	650 Townsend Street	Generator (Y)	455	0.1	71.1	0.0	0.0	10.7	0.0
	-	Roads	-	-	-	0.0	13.7	0.0	0.0	13.7	0.0
	-	Rail	-	-	-	0.6	53.8	0.1	0.6	53.8	0.1
Milbrae Station, Option 1	111854	76 Products Co SS #367	5 El Camino Real	Gasoline Dispensing (Y)	330	0.0	19.4	0.1	0.0	1.7	0.0
		13489 Pacific Bell	10 MAGNOLIA AVENUE	Generator (Y)	500	0.1	58.1	0.0	0.0	7.0	0.0
	-	Roads	-	-	-	0.0	5.4	0.0	0.0	5.4	0.0
	-	Rail	-	-	-	0.2	8.4	0.0	0.2	8.4	0.0
Milbrae Station, Option 2	14418	City of Millbrae	190 AVIADOR AVENUE	Generator (Y)	60	0.0	4.9	0.0	0.0	4.9	0.0
	-	Roads	-	-	-	0.0	19.1	0.0	0.0	19.1	0.0
	-	Rail	-	-	-	0.3	11.4	0.1	0.3	11.4	0.1
LMF Alternative A	No receptors within 1,000 feet		-	-	-	-	-	-	-	-	-
LMF Alternative B	23081	BMR-Bayshore Boulevard LP	3260 BAYSHORE BLVD	Multiple	380	0.0	2.8	0.0	0.0	2.8	0.0
	-	Roads	-	-	-	0.0	5.5	0.0	0.0	5.5	0.0
	-	Rail	-	-	-	0.0	1.8	0.0	0.0	1.8	0.0