Appendix E

Noise Supporting Information

- Construction Noise Calculations
- Operation Noise Calculations



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	985	0

Receptor: R2

Results:

1-hour Leq: 52.1 Lmax: 53.1



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Grading

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	985	0
Grader	1	85	40%	985	0

Receptor: R2

Results:

1-hour Leq: 57.7

Lmax: 59.1



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	985	0

Receptor: R2

Results:

1-hour Leq: 68.1 Lmax: 75.1



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Building Construction

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	985	0
Generator Sets	1	81	50%	985	0

Receptor: R2

Results:

1-hour Leq: 53.3

Lmax: 55.1



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Paving

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	985	0
Rollers	1	80	20%	985	0

Receptor: R2

Results:

1-hour Leq: 50.6 Lmax: 54.1



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	1840	0

Receptor: R2

Results:

1-hour Leq: 46.7

Lmax: 47.7



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Grading

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	1840	0
Grader	1	85	40%	1840	0

Receptor: R2

Results:

1-hour Leq: 52.2

Lmax: 53.7



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	1840	0

Receptor: R2

Results:

1-hour Leq: 62.7

Lmax: 69.7



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Building Construction

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	1840	0
Generator Sets	1	81	50%	1840	0

Receptor: R2

Results:

1-hour Leq: 47.9

Lmax: 49.7



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Paving

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	1840	0
Rollers	1	80	20%	1840	0

Receptor: R2

Results:

1-hour Leq: 45.2

Lmax: 48.7



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1
Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	425	0

Receptor: R2

Results:

1-hour Leq: 59.4

Lmax: 60.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Grading

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	425	0
Grader	1	85	40%	425	0

Receptor: R2

Results:

1-hour Leq: 65.0 Lmax: 66.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Foundation

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	425	0

Receptor: R2

Results:

1-hour Leq: 75.4 Lmax: 82.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1
Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	425	0
Generator Sets	1	81	50%	425	0

Receptor: R2

Results:

1-hour Leq: 60.6

Lmax: 62.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Paving

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	425	0
Rollers	1	80	20%	425	0

Receptor: R2

Results:

1-hour Leq: 57.9 Lmax: 61.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Demolition/Site Preparation

Equipment

		Reference			Estimated
				Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	420	0

Receptor: R2

Results:

1-hour Leq: 59.5 Lmax: 60.5



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Grading

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	420	0
Grader	1	85	40%	420	0

Receptor: R2

Results:

1-hour Leq: 65.1 Lmax: 66.5



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Foundation

Equipment

		Reference			Estimated
	= =			Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	420	0

Receptor: R2

Results:

1-hour Leq: 75.5 Lmax: 82.5



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	420	0
Generator Sets	1	81	50%	420	0

Receptor: R2

Results:

1-hour Leq: 60.7 Lmax: 62.5



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Paving

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	420	0
Rollers	1	80	20%	420	0

Receptor: R2

Results:

1-hour Leq: 58.1 Lmax: 61.5



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	140	0

Receptor: R3

Results:

1-hour Leq: 69.1

Lmax: 70.1



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Grading

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	140	0
Grader	1	85	40%	140	0

Receptor: R3

Results:

1-hour Leq: 74.6

Lmax: 76.1



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Foundation

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	140	0

Receptor: R3

Results:

1-hour Leq: 85.1 Lmax: 92.1



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	140	0
Generator Sets	1	81	50%	140	0

Receptor: R3

Results:

1-hour Leq: 70.3

Lmax: 72.1



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Paving

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	140	0
Rollers	1	80	20%	140	0

Receptor: R3

Results:

1-hour Leq: 67.6 Lmax: 71.1



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	1050	10

Receptor: R3

Results:

1-hour Leq: 41.6

Lmax: 42.6



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Grading

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	1050	10
Grader	1	85	40%	1050	10

Receptor: R3

Results:

1-hour Leq: 47.1

Lmax: 48.6



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	1050	10

Receptor: R3

Results:

1-hour Leq: 57.6

Lmax: 64.6



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Building Construction

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	1050	10
Generator Sets	1	81	50%	1050	10

Receptor: R3

Results:

1-hour Leq: 42.8

Lmax: 44.6



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Paving

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	1050	10
Rollers	1	80	20%	1050	10

Receptor: R3

Results:

1-hour Leq: 40.1

Lmax: 43.6



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1
Demolition/Site Preparation

Equipment

	Reference				Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	110	0

Receptor: R3

Results:

1-hour Leq: 71.2 Lmax: 72.2



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Grading

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	110	0
Grader	1	85	40%	110	0

Receptor: R3

Results:

1-hour Leq: 76.7 Lmax: 78.2



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1 Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	110	0

Receptor: R3

Results:

1-hour Leq: 87.2 Lmax: 94.2



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1
Building Construction

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	110	0
Generator Sets	1	81	50%	110	0

Receptor: R3

Results:

1-hour Leq: 72.3 Lmax: 74.2



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Paving

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	110	0
Rollers	1	80	20%	110	0

Receptor: R3

Results:

1-hour Leq: 69.7 Lmax: 73.2



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Demolition/Site Preparation

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	425	0

Receptor: R3

Results:

1-hour Leq: 59.4 Lmax: 60.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Grading

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	425	0
Grader	1	85	40%	425	0

Receptor: R3

Results:

1-hour Leq: 65.0 Lmax: 66.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Foundation

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	425	0

Receptor: R3

Results:

1-hour Leq: 75.4 Lmax: 82.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Building Construction

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	425	0
Generator Sets	1	81	50%	425	0

Receptor: R3

Results:

1-hour Leq: 60.6 Lmax: 62.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Paving

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	425	0
Rollers	1	80	20%	425	0

Receptor: R3

Results:

1-hour Leq: 57.9 Lmax: 61.4



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Demolition/Site Preparation

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	50	0

Receptor: R5

Results:

1-hour Leq: 78.0 Lmax: 79.0



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Grading

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	50	0
Grader	1	85	40%	75	0

Receptor: R5

Results:

1-hour Leq: 82.0 Lmax: 84.0



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Foundation

Equipment

		Estimated			
	No. of Noise Level at Acoustical Distance to				Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	50	0

Receptor: R5

Results:

1-hour Leq: 94.0

Lmax: 101.0



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	50	0
Generator Sets	1	81	50%	75	0

Receptor: R5

Results:

1-hour Leq: 76.8

Lmax: 81.0



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Paving

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	50	0
Rollers	1	80	20%	75	0

Receptor: R5

Results:

1-hour Leq: 75.3 Lmax: 77.0



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader		79	40%	300	10

Receptor: R5

Results:

1-hour Leq: 52.5

Lmax: 53.4



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Grading

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	300	10
Grader	1	85	40%	300	10

Receptor: R5

Results:

1-hour Leq: 58.0 Lmax: 59.4



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Foundation

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	300	10

Receptor: R5

Results:

1-hour Leq: 68.4

Lmax: 75.4



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Building Construction

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	300	10
Generator Sets	1	81	50%	300	10

Receptor: R5

Results:

1-hour Leq: 53.6

Lmax: 55.4



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Paving

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	300	10
Rollers	1	80	20%	300	10

Receptor: R5

Results:

1-hour Leq: 51.0 Lmax: 54.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1
Demolition/Site Preparation

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	1280	0

Receptor: R5

Results:

1-hour Leq: 49.9 Lmax: 50.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Grading

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	1280	0
Grader	1	85	40%	1280	0

Receptor: R5

Results:

1-hour Leq: 55.4

Lmax: 56.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Foundation

Equipment

		Estimated			
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	1280	0

Receptor: R5

Results:

1-hour Leq: 65.8 Lmax: 72.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1
Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	1280	0
Generator Sets	1	81	50%	1280	0

Receptor: R5

Results:

1-hour Leq: 51.0 Lmax: 52.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Paving

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	1280	0
Rollers	1	80	20%	1280	0

Receptor: R5

Results:

1-hour Leq: 48.4

Lmax: 51.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Demolition/Site Preparation

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	1500	0

Receptor: R5

Results:

1-hour Leq: 48.5

Lmax: 49.5



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Grading

Equipment

			Estimated		
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	1500	0
Grader	1	85	40%	1500	0

Receptor: R5

Results:

1-hour Leq: 54.0 Lmax: 55.5



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Foundation

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	1500	0

Receptor: R5

Results:

1-hour Leq: 64.5 Lmax: 71.5



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	1500	0
Generator Sets	1	81	50%	1500	0

Receptor: R5

Results:

1-hour Leq: 49.7

Lmax: 51.5



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Paving

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	1500	0
Rollers	1	80	20%	1500	0

Receptor: R5

Results:

1-hour Leq: 47.0

Lmax: 50.5



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	320	0

Receptor: R6

Results:

1-hour Leq: 61.9

Lmax: 62.9



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Grading

Equipment

		Reference				
	No. of	Noise Level at	Acoustical	Distance to	Noise	
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA	
Scrapers	1	84	40%	320	0	
Grader	1	85	40%	320	0	

Receptor: R6

Results:

1-hour Leq: 67.4

Lmax: 68.9



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	320	0

Receptor: R6

Results:

1-hour Leq: 77.9 Lmax: 84.9



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	320	0
Generator Sets	1	81	50%	320	0

Receptor: R6

Results:

1-hour Leq: 63.1

Lmax: 64.9



Construction Phase: Phase 1 (India Basin Open Space and 700 Innes)

Paving

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	320	0
Rollers	1	80	20%	320	0

Receptor: R6

Results:

1-hour Leq: 60.4

Lmax: 63.9



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader					

Receptor: R6

Results:

1-hour Leq: 57.4

Lmax: 58.3



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Grading

Equipment

		Reference		Estimated	
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	540	0
Grader	1	85	40%	540	0

Receptor: R6

Results:

1-hour Leq: 62.9

Lmax: 64.3



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	540	0

Receptor: R6

Results:

1-hour Leq: 73.3

Lmax: 80.3



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	540	0
Generator Sets	1	81	50%	540	0

Receptor: R6

Results:

1-hour Leq: 58.5

Lmax: 60.3



Construction Phase: Phase 2 (India Basin Open Space and 700 Innes)

Paving

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	540	0
Rollers	1	80	20%	540	0

Receptor: R6

Results:

1-hour Leq: 55.9 Lmax: 59.3



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1
Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader		79	40%	1450	

Receptor: R6

Results:

1-hour Leq: 48.8

Lmax: 49.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Grading

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	1450	0
Grader	1	85	40%	1450	0

Receptor: R6

Results:

1-hour Leq: 54.3 Lmax: 55.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	1450	0

Receptor: R6

Results:

1-hour Leq: 64.8

Lmax: 71.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1
Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	1450	0
Generator Sets	1	81	50%	1450	0

Receptor: R6

Results:

1-hour Leq: 49.9

Lmax: 51.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 1

Paving

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	1450	0
Rollers	1	80	20%	1450	0

Receptor: R6

Results:

1-hour Leq: 47.3

Lmax: 50.8



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Demolition/Site Preparation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Rubber Tired Loader	2	79	40%	1685	0

Receptor: R6

Results:

1-hour Leq: 47.5

Lmax: 48.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Grading

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Scrapers	1	84	40%	1685	0
Grader	1	85	40%	1685	0

Receptor: R6

Results:

1-hour Leq: 53.0 Lmax: 54.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Foundation

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pile Driver (Impact)	1	101	20%	1685	0

Receptor: R6

Results:

1-hour Leq: 63.5 Lmax: 70.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2
Building Construction

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Cranes	1	81	16%	1685	0
Generator Sets	1	81	50%	1685	0

Receptor: R6

Results:

1-hour Leq: 48.6

Lmax: 50.4



Construction Phase: India Basin Shoreline Park and 900 Innes - Phase 2

Paving

Equipment

		Reference			Estimated
	No. of	Noise Level at	Acoustical	Distance to	Noise
Description	Equip.	50ft, Lmax	Usage Factor	Receptor, ft	Shielding, dBA
Pavers	1	77	50%	1685	0
Rollers	1	80	20%	1685	0

Receptor: R6

Results:

1-hour Leq: 46.0

Lmax: 49.4

INPUT: ROADWAYS India Basin

INPUT. ROADWATS							iliula	Dasiii	1				
AECOM					22 February	2017							
SKB					TNM 2.5								
INPUT: ROADWAYS							Average	oavement typ	່ e shall be ບ	sed unless	<u> </u> 		
PROJECT/CONTRACT:	India Bas	India Basin						a State highway agency substantiates the use					
RUN:	India Bas	India Basin Open Space and 700 Innes						of a different type with the approval of FHW					
Roadway		Points											
Name	Width	Name	No.	Coordinates	(pavement)		Flow Con	trol		Segment			
				X	Y	Z	Control	Speed	Percent	Pvmt	On		
							Device	Constraint	Vehicles	Туре	Struct?		
									Affected				
	ft			ft	ft	ft		mph	%				
Truck Route	12.0	point1	1	0.0	0.0	0.00	Stop	0.00	100	Average			
		point2	2	750.0	0.0	0.00							

INPUT: TRAFFIC FOR LAeq1h Volumes						India	a Basin					T
AECOM				22 Fe	bruary 20	17						
SKB				TNM 2	2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	India Basin	India Basin										
RUN:	India Basin	Open Sp	ace and 7	'00 Inne	es							
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	•	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Truck Route	point1		1 0) () () (40	35	0	0	0) (
	point2		2									

INPUT: RECEIVERS							Ind	ia Basin			
AECOM						22 Februar	ry 2017				
SKB						TNM 2.5					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	India I	Basin									
RUN:	India I	Basin C	open Space ar	nd 700 Innes							
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sour	nd Levels a		Active	
			X	Υ	Z	above	Existing	Impact Cri	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'I	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Receiver1	1	1	375.0	50.0	0.00	4.92	0.00	66	10.0	8.0	Y

RESULTS: SOUND LEVELS						Indi	a Basin		1				
AECOM							22 Februa	ry 2017					
SKB							TNM 2.5						
							Calculated	d with TNM	2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		India Ba	asin		,								
RUN:		India Ba	asin Open S	space and 700	Innes								
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	avement type	shall be used	unless		
								a State hig	hway agency	substantiate	s the us	е	
ATMOSPHERICS:		68 deg	F, 50% RH		,			of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calcula	ted
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Receiver1	1	1 1	0.0	66.2	66	66.2	2 10	Snd Lvl	66.2	0.0)	8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		1	0.0	0.0	0.0	D							
All Impacted		1	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS India Basis

NPUI. ROADWATS					1		IIIuia	Dasis			
AECOM					22 February	2017					
SKB					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	sed unles	S
PROJECT/CONTRACT:	India Bas	in					a State hi	ghway agenc	y substanti	iates the us	se
RUN:	IB Shorel	ine Park a	nd 900 In	nes - Export			of a differ	ent type with	the approv	al of FHW	4
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Con	itrol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
ruck Route	12.0	point1	1	0.0	0.0	0.00	Stop	0.00	100	Average	
		point2	2	750.0	0.0	0.00)				

INPUT: TRAFFIC FOR LAeq1h Volumes						India	a Basis					1
AECOM				22 Fe	bruary 20	17						
SKB				TNM 2	2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	India Basir	1										
RUN:	IB Shoreline Park and 900 Innes - Export											
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	s	HTrucks	;	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Truck Route	point1		1 0) (0 0) C) 2	35	0	0) C) (
	point2		2									

INPUT: RECEIVERS							Ind	ia Basis			
AECOM						22 Februar	ry 2017				
SKB						TNM 2.5	I				
INPUT: RECEIVERS											
PROJECT/CONTRACT:	India	Basin									
RUN:	IB Sho	oreline	Park and 900	Innes - Expor	t						
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sour	nd Levels a	nd Criteria		Active
			X	Y	Z	above	Existing	Impact Cri	teria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Receiver1	1	1	375.0	50.0	0.00	4.92	0.00	66	10.0	8.0) Y

RESULTS: SOUND LEVELS			1	I		Indi	ia Basis		1				
AECOM							22 Februa	ry 2017					
SKB							TNM 2.5	-					
							Calculated	d with TNM	2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		India Ba	asis			·							
RUN:		IB Shor	eline Park a	and 900 Innes	- Export								
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	avement type	shall be used	unless		
								a State hig	hway agency	substantiate	s the us	е	
ATMOSPHERICS:		68 deg	F, 50% RH		,			of a differ	ent type with	approval of F	HWA.		
Receiver													
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculate	d
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Receiver1	,	1 1	0.0	53.2	. 66	53.2	. 10	Snd Lvl	53.2	0.0)	8	-8.0
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		1	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS India Basin

IIII OI: NOADIIAIO								iiiaia	Buoiii			
AECOM					22 Februa	ry 201	17					
SKB					TNM 2.5							
INDUT. DO A DIMAYO												
INPUT: ROADWAYS								-	pavement typ			
PROJECT/CONTRACT:	India Bas	in						a State h	ighway agenc	y substant	iates the us	se
RUN:	IB Shorel	ine Park a	nd 900 l	nnes - Impor	t			of a diffe	rent type with	the approv	al of FHW	4
Roadway		Points										
Name	Width	Name	No.	Coordinate	es (pavemen	t)		Flow Cor	ntrol		Segment	
				X	Υ	Z		Control	Speed	Percent	Pvmt	On
								Device	Constraint	Vehicles	Type	Struct?
										Affected		
	ft			ft	ft	ft			mph	%		
Truck Route	12.0	point1		1 C	0.0	0.0	0.00	Stop	0.00	100	Average	
		point2		2 750	0.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes						Ind	ia Basin					
AECOM				22 Fel	bruary 20	17						
SKB				TNM 2	2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	India Basin	1										
RUN:	IB Shorelin	IB Shoreline Park and 900 Innes - Import										
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	S	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Fruck Route	point1		1 () () ()	0 4	35	C	0 0) () (
	point2		2									

INPUT: RECEIVERS							Ind	ia Basin			
AECOM						22 Februa	ry 2017				
SKB						TNM 2.5	I				
INPUT: RECEIVERS											
PROJECT/CONTRACT:	India	Basin									
RUN:	IB She	oreline									
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sour	nd Levels a	nd Criteria		Active
			X	Y	Z	above	Existing	Impact Cri	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'I	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Receiver1	1	1	375.0	50.0	0.00	4.92	0.00	66	10.0	8.0) Y

RESULTS: SOUND LEVELS				1		Indi	a Basin				1	
AECOM							22 Februa	ry 2017				
SKB							TNM 2.5					
							Calculated	d with TNM	2.5			
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		India Ba	asin			,						
RUN:		IB Shor	eline Park a	and 900 Innes	- Import							
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	avement type	shall be used	unless	
								a State hiç	ghway agency	substantiates	the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a differ	ent type with	approval of Fl	IWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduct	tion	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receiver1	1	1	0.0	56.2	66	56.2	. 1C	Snd Lvl	56.2	0.0		8 -8.
Dwelling Units		# DUs	Noise Red	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		1	0.0	0.0	0.0							
All Impacted		0	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

INPUT: ROADWAYS India Basin

INPUT: RUADWATS							india	Dasiii			
AECOM					22 February	2017					
SKB					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	sed unless	5
PROJECT/CONTRACT:	India Bas	in					a State hi	ghway agenc	y substanti	ates the us	e
RUN:	Cumulati	ve Constr	uction				of a differ	ent type with	the approv	al of FHWA	\
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Con	trol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
Truck Route	12.0	point1	1	0.0	0.0	0.00	Stop	0.00	100	Average	
		point2	2	750.0	0.0	0.00					

INPUT: TRAFFIC FOR LAeq1h Volumes						India	a Basin					
AECOM				22 Fel	bruary 20	17						
SKB				TNM 2	2.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	India Basin	1										
RUN:	Cumulative	Constru	ction									
Roadway	Points											
Name	Name	No.	Segmer	nt								
			Autos		MTruck	S	HTrucks	;	Buses		Motorcy	cles
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Truck Route	point1		1 0) () (0	111	35	0	0	C) (
	point2		2									

INPUT: RECEIVERS							Ind	ia Basin			
AECOM						22 Februa	ry 2017				
SKB						TNM 2.5	I				
INPUT: RECEIVERS											
PROJECT/CONTRACT:	India	Basin									
RUN:	Cumu	lative C	Construction								
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sour	nd Levels a	nd Criteria		Active
			X	Υ	Z	above	Existing	Impact Cri	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Receiver1	1	1	375.0	50.0	0.00	4.92	0.00	66	10.0	8.0) Y

RESULTS: SOUND LEVELS				1	T	Indi	ia Basin				1		
AECOM							22 Februa	rv 2017					_
SKB							TNM 2.5	.,					
								d with TNM	2.5				
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		India Ba	asin		J.								
RUN:		Cumula	tive Constr	uction									
BARRIER DESIGN:		INPUT	HEIGHTS					Average p	avement type	shall be used	unless		
								a State hiç	ghway agency	substantiates	s the use	,	
ATMOSPHERICS:		68 deg	F, 50% RH		,	,		of a differ	ent type with	approval of Fl	IWA.		
Receiver													_
Name	No.	#DUs	Existing	No Barrier					With Barrier				
			LAeq1h	LAeq1h		Increase over	existing	Туре	Calculated	Noise Reduc	tion		
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculate	d
							Sub'l Inc					minus	
												Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	
Receiver1	1	1 1	0.0	70.7	66	70.7	10	Snd Lvl	70.7	0.0		8 -	-8.
Dwelling Units		# DUs	Noise Red	duction									
			Min	Avg	Max								
			dB	dB	dB								
All Selected		1	0.0	0.0	0.0								
All Impacted		1	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

Model Input Sheet



Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: EXISTING

		Seg	ment		Speed	Distance							Offset
Segment	Roadway	From	То	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	Evans Street	West of	Third Street	701	35	40	98	1	1	80	0	20	0
2	Evans Street	Third Street	Jennings Street	658	35	50	98	1	1	80	0	20	0
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	359	35	50	98	1	1	80	0	20	0
4	Innes Avenue	Hunters Point Blvd.	New Griffith Street	253	35	35	98	1	1	80	0	20	0
5	Innes Avenue	New Griffith Street	Aerlious Walker Drive	258	35	35	98	1	1	80	0	20	0
6	Innes Avenue	Aerlious Walker Drive	Earl Street	237	35	35	98	1	1	80	0	20	0
7	Innes Avenue	East of	Earl Street	264	35	35	98	1	1	80	0	20	0
8	Innes Avenue	West of	Hunters Point Blvd.	69	35	30	98	1	1	80	0	20	0
9	Griffith Street	North of	Innes Avenue	20	25	30	98	1	1	80	0	20	0
10	Aerlious Walker Drive	North of	Innes Avenue	26	25	30	98	1	1	80	0	20	0
11	Earl Street	North of	Innes Avenue	20	25	30	98	1	1	80	0	20	0
12	Third Street	North of	Evans Avenue	1,180	35	50	98	1	1	80	0	20	0
13	Third Street	South of	Evans Avenue	863	35	50	98	1	1	80	0	20	0
14	Jennings Street	North of	Evans Avenue	141	25	35	98	1	1	80	0	20	0
15	Jennings Street	South of	Evans Avenue	503	25	30	98	1	1	80	0	20	0
16													

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18

19





Predicted Noise Levels

Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: EXISTING

Metric (Leq, Ldn, CNEL): Ldn

		Se	gment	N	oise Leve	ls, dB Ldn		Distanc	e to Tra	ffic Noise	Contou	rs, Feet
Segmen	t Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Evans Street	West of	Third Street	64.3	54.1	59.3	65.8	15	48	152	480	1517
2	Evans Street	Third Street	Jennings Street	63.1	52.8	58.0	64.5	14	45	142	450	1424
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	60.4	50.2	55.4	61.9	8	25	78	246	777
4	Innes Avenue	Hunters Point Blv	d New Griffith Street	60.4	50.2	55.4	61.9	5	17	55	173	546
5	Innes Avenue	New Griffith Stree	et Aerlious Walker D	60.5	50.3	55.5	62.0	6	18	56	176	557
6	Innes Avenue	Aerlious Walker I	D Earl Street	60.2	49.9	55.1	61.6	5	16	51	162	512
7	Innes Avenue	East of	Earl Street	60.6	50.4	55.6	62.1	6	18	57	181	571
8	Innes Avenue	West of	Hunters Point Blvd	55.5	45.3	50.5	57.0	1	5	15	47	149
9	Griffith Street	North of	Innes Avenue	45.9	37.6	45.2	48.9	0	1	2	7	23
10	Aerlious Walker Drive	North of	Innes Avenue	47.0	38.7	46.4	50.1	0	1	3	10	30
11	Earl Street	North of	Innes Avenue	45.9	37.6	45.2	48.9	0	1	2	7	23
12	Third Street	North of	Evans Avenue	65.6	55.4	60.6	67.1	26	81	255	807	2553
13	Third Street	South of	Evans Avenue	64.2	54.0	59.2	65.7	19	59	187	591	1867
14	Jennings Street	North of	Evans Avenue	53.7	45.4	53.0	56.7	2	5	16	52	165
15	Jennings Street	South of	Evans Avenue	59.9	51.6	59.2	62.9	6	19	59	186	588
16												
17												

Model Input Sheet



Project Name: India Basin Mixed-Use Project EIR

Project Number:

18 19 20 **Modeling Condition**: BASELINE NO PROJECT

Ground Type: Hard K Factor: 10

Metric (L_{eq}, L_{dn}, CNEL): Ldn Traffic Desc. (Peak or ADT): Peak

		Seg	ment		Speed	Distance							Offset
Segment	Roadway	From	То	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	Evans Street	West of	Third Street	719	35	40	98	1	1	80	0	20	0
2	Evans Street	Third Street	Jennings Street	743	35	50	98	1	1	80	0	20	0
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	469	35	50	98	1	1	80	0	20	0
4	Innes Avenue	Hunters Point Blvd.	New Griffith Street	384	35	35	98	1	1	80	0	20	0
5	Innes Avenue	New Griffith Street	Aerlious Walker Drive	366	35	35	98	1	1	80	0	20	0
6	Innes Avenue	Aerlious Walker Drive	Earl Street	350	35	35	98	1	1	80	0	20	0
7	Innes Avenue	East of	Earl Street	354	35	35	98	1	1	80	0	20	0
8	Innes Avenue	West of	Hunters Point Blvd.	90	35	30	98	1	1	80	0	20	0
9	Griffith Street	North of	Innes Avenue	20	25	30	98	1	1	80	0	20	0
10	Aerlious Walker Drive	North of	Innes Avenue	26	25	30	98	1	1	80	0	20	0
11	Earl Street	North of	Innes Avenue	20	25	30	98	1	1	80	0	20	0
12	Third Street	North of	Evans Avenue	1,235	35	50	98	1	1	80	0	20	0
13	Third Street	South of	Evans Avenue	953	35	50	98	1	1	80	0	20	0
14	Jennings Street	North of	Evans Avenue	155	25	35	98	1	1	80	0	20	0
15	Jennings Street	South of	Evans Avenue	608	25	30	98	1	1	80	0	20	0
16													
17													



Predicted Noise Levels

Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: BASELINE NO PROJECT

Metric (Leq, Ldn, CNEL): Ldn

18 19 20

		Se	gment	N	oise Level	ls, dB Ldn		Distanc	ce to Trat	ffic Noise	Contour	rs, Feet
Segmen	t Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Evans Street	West of	Third Street	64.4	54.2	59.4	65.9	16	49	156	492	1556
2	Evans Street	Third Street	Jennings Street	63.6	53.4	58.6	65.1	16	51	161	508	1608
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	61.6	51.4	56.6	63.1	10	32	101	321	1015
4	Innes Avenue	Hunters Point Blv	d New Griffith Street	62.3	52.0	57.2	63.7	8	26	83	262	830
5	Innes Avenue	New Griffith Stree	et Aerlious Walker D	62.1	51.8	57.0	63.5	8	25	79	250	791
6	Innes Avenue	Aerlious Walker I	D Earl Street	61.9	51.6	56.8	63.3	8	24	76	239	756
7	Innes Avenue	East of	Earl Street	61.9	51.7	56.9	63.4	8	24	77	242	766
8	Innes Avenue	West of	Hunters Point Blvd	56.6	46.4	51.6	58.1	2	6	19	62	195
9	Griffith Street	North of	Innes Avenue	45.9	37.6	45.2	48.9	0	1	2	7	23
10	Aerlious Walker Drive	North of	Innes Avenue	47.0	38.7	46.4	50.1	0	1	3	10	30
11	Earl Street	North of	Innes Avenue	45.9	37.6	45.2	48.9	0	1	2	7	23
12	Third Street	North of	Evans Avenue	65.8	55.6	60.8	67.3	27	85	267	845	2672
13	Third Street	South of	Evans Avenue	64.7	54.4	59.6	66.2	21	65	206	652	2062
14	Jennings Street	North of	Evans Avenue	54.1	45.8	53.5	57.1	2	6	18	57	181
15	Jennings Street	South of	Evans Avenue	60.7	52.4	60.1	63.7	7	22	71	225	711
16												
17												

2/22/2017

Model Input Sheet



Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: CUMULATIVE + PROJECT

		Seg	ment		Speed	Distance							Offset
Segment	Roadway	From	То	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	Evans Street	West of	Third Street	2,207	35	40	98	1	1	80	0	20	0
2	Evans Street	Third Street	Jennings Street	3,008	35	50	98	1	1	80	0	20	0
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	3,458	35	50	98	1	1	80	0	20	0
4	Innes Avenue	Hunters Point Blvd.	New Griffith Street	3,653	35	35	98	1	1	80	0	20	0
5	Innes Avenue	New Griffith Street	Aerlious Walker Drive	3,537	35	35	98	1	1	80	0	20	0
6	Innes Avenue	Aerlious Walker Drive	Earl Street	2,625	35	35	98	1	1	80	0	20	0
7	Innes Avenue	East of	Earl Street	2,177	35	35	98	1	1	80	0	20	0
8	Innes Avenue	West of	Hunters Point Blvd.	403	35	30	98	1	1	80	0	20	0
9	Griffith Street	North of	Innes Avenue	389	25	30	98	1	1	80	0	20	0
10	Aerlious Walker Drive	North of	Innes Avenue	968	25	30	98	1	1	80	0	20	0
11	Earl Street	North of	Innes Avenue	723	25	30	98	1	1	80	0	20	0
12	Third Street	North of	Evans Avenue	2,542	35	50	98	1	1	80	0	20	0
13	Third Street	South of	Evans Avenue	3,181	35	50	98	1	1	80	0	20	0
14	Jennings Street	North of	Evans Avenue	928	25	35	98	1	1	80	0	20	0
15	Jennings Street	South of	Evans Avenue	3,645	25	30	98	1	1	80	0	20	0
16								1	1	80	0		0
17								1	1	80	0		0
18								1	1	80	0		0
19								1	1	80	0		0
20								1	1	80	0		0





Predicted Noise Levels

Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: CUMULATIVE + PROJECT

Metric (Leq, Ldn, CNEL): Ldn

		Se	gment	N	oise Leve	ls, dB Ldn		Distanc	ce to Trat	ffic Noise	e Contour	rs, Feet
Segmen	t Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Evans Street	West of	Third Street	69.3	59.1	64.3	70.8	48	151	478	1510	4775
2	Evans Street	Third Street	Jennings Street	69.7	59.4	64.6	71.1	65	206	651	2058	6508
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	70.3	60.0	65.2	71.8	75	237	748	2366	7481
4	Innes Avenue	Hunters Point Blv	d New Griffith Street	72.0	61.8	67.0	73.5	79	250	790	2500	7904
5	Innes Avenue	New Griffith Stree	et Aerlious Walker D	71.9	61.7	66.9	73.4	77	242	765	2420	7652
6	Innes Avenue	Aerlious Walker I	D Earl Street	70.6	60.4	65.6	72.1	57	180	568	1796	5680
7	Innes Avenue	East of	Earl Street	69.8	59.6	64.8	71.3	47	149	471	1490	4711
8	Innes Avenue	West of	Hunters Point Blvd	63.1	52.9	58.1	64.6	9	28	87	276	872
9	Griffith Street	North of	Innes Avenue	58.8	50.5	58.1	61.8	5	14	45	144	455
10	Aerlious Walker Drive	North of	Innes Avenue	62.7	54.4	62.1	65.8	11	36	113	358	1132
11	Earl Street	North of	Innes Avenue	61.5	53.2	60.8	64.5	8	27	85	267	845
12	Third Street	North of	Evans Avenue	68.9	58.7	63.9	70.4	55	174	550	1739	5500
13	Third Street	South of	Evans Avenue	69.9	59.7	64.9	71.4	69	218	688	2177	6883
14	Jennings Street	North of	Evans Avenue	61.9	53.6	61.2	64.9	11	34	108	343	1085
15	Jennings Street	South of	Evans Avenue	68.5	60.2	67.8	71.5	43	135	426	1348	4261
16												
17												

Model Input Sheet



Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: CUMULATIVE + PROJECT VARIANT

			Speed	Distance							Offset		
Segment	Roadway	From	To	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	Evans Street	West of	Third Street	2,253	35	40	98	1	1	80	0	20	0
2	Evans Street	Third Street	Jennings Street	3,336	35	50	98	1	1	80	0	20	0
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	4,151	35	50	98	1	1	80	0	20	0
4	Innes Avenue	Hunters Point Blvd.	New Griffith Street	4,243	35	35	98	1	1	80	0	20	0
5	Innes Avenue	New Griffith Street	Aerlious Walker Drive	4,328	35	35	98	1	1	80	0	20	0
6	Innes Avenue	Aerlious Walker Drive	Earl Street	2,977	35	35	98	1	1	80	0	20	0
7	Innes Avenue	East of	Earl Street	2,183	35	35	98	1	1	80	0	20	0
8	Innes Avenue	West of	Hunters Point Blvd.	491	35	30	98	1	1	80	0	20	0
9	Griffith Street	North of	Innes Avenue	484	25	30	98	1	1	80	0	20	0
10	Aerlious Walker Drive	North of	Innes Avenue	1,329	25	30	98	1	1	80	0	20	0
11	Earl Street	North of	Innes Avenue	899	25	30	98	1	1	80	0	20	0
12	Third Street	North of	Evans Avenue	2,687	35	50	98	1	1	80	0	20	0
13	Third Street	South of	Evans Avenue	3,548	35	50	98	1	1	80	0	20	0
14	Jennings Street	North of	Evans Avenue	1,135	25	35	98	1	1	80	0	20	0
15	Jennings Street	South of	Evans Avenue	4,529	25	30	98	1	1	80	0	20	0
16								1	1	80	0		0
17								1	1	80	0		0
18								1	1	80	0		0
19								1	1	80	0		0
20								1	1	80	0		0



Predicted Noise Levels

Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: CUMULATIVE + PROJECT VARIANT

Metric (Leq, Ldn, CNEL): Ldn

		Se	gment	N	oise Level	s, dB Ldn		Distanc	ce to Traf	fic Noise	Contou	rs, Feet
Segmen	t Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Evans Street	West of	Third Street	69.4	59.1	64.3	70.9	49	154	487	1542	4875
2	Evans Street	Third Street	Jennings Street	70.1	59.9	65.1	71.6	72	228	722	2282	7217
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	71.1	60.8	66.0	72.5	90	284	898	2840	8981
4	Innes Avenue	Hunters Point Blv	d New Griffith Street	72.7	62.5	67.7	74.2	92	290	918	2903	9181
5	Innes Avenue	New Griffith Stree	et Aerlious Walker D	72.8	62.6	67.8	74.3	94	296	936	2961	9364
6	Innes Avenue	Aerlious Walker I	D Earl Street	71.2	60.9	66.1	72.6	64	204	644	2037	6442
7	Innes Avenue	East of	Earl Street	69.8	59.6	64.8	71.3	47	149	472	1494	4724
8	Innes Avenue	West of	Hunters Point Blvd	64.0	53.8	59.0	65.5	11	34	106	336	1062
9	Griffith Street	North of	Innes Avenue	59.7	51.4	59.1	62.8	6	18	57	179	566
10	Aerlious Walker Drive	North of	Innes Avenue	64.1	55.8	63.5	67.1	16	49	155	491	1554
11	Earl Street	North of	Innes Avenue	62.4	54.1	61.8	65.4	11	33	105	332	1051
12	Third Street	North of	Evans Avenue	69.2	58.9	64.1	70.7	58	184	581	1839	5814
13	Third Street	South of	Evans Avenue	70.4	60.2	65.3	71.9	77	243	768	2428	7677
14	Jennings Street	North of	Evans Avenue	62.8	54.5	62.1	65.8	13	42	133	420	1327
15	Jennings Street	South of	Evans Avenue	69.4	61.1	68.8	72.5	53	167	529	1674	5295
16												
17												

Model Input Sheet



Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: BASELINE + PROJECT

		Seg	ment		Speed	Distance							Offset
Segment	Roadway	From	To	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	Evans Street	West of	Third Street	868	35	40	98	1	1	80	0	20	0
2	Evans Street	Third Street	Jennings Street	1,773	35	50	98	1	1	80	0	20	0
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	2,231	35	50	98	1	1	80	0	20	0
4	Innes Avenue	Hunters Point Blvd.	New Griffith Street	2,498	35	35	98	1	1	80	0	20	0
5	Innes Avenue	New Griffith Street	Aerlious Walker Drive	2,101	35	35	98	1	1	80	0	20	0
6	Innes Avenue	Aerlious Walker Drive	Earl Street	1,105	35	35	98	1	1	80	0	20	0
7	Innes Avenue	East of	Earl Street	397	35	35	98	1	1	80	0	20	0
8	Innes Avenue	West of	Hunters Point Blvd.	407	35	30	98	1	1	80	0	20	0
9	Griffith Street	North of	Innes Avenue	411	25	30	98	1	1	80	0	20	0
10	Aerlious Walker Drive	North of	Innes Avenue	1,041	25	30	98	1	1	80	0	20	0
11	Earl Street	North of	Innes Avenue	793	25	30	98	1	1	80	0	20	0
12	Third Street	North of	Evans Avenue	1,716	35	50	98	1	1	80	0	20	0
13	Third Street	South of	Evans Avenue	1,964	35	50	98	1	1	80	0	20	0
14	Jennings Street	North of	Evans Avenue	849	25	35	98	1	1	80	0	20	0
15	Jennings Street	South of	Evans Avenue	2,338	25	30	98	1	1	80	0	20	0
16													
17													
18													
19													
20													





Predicted Noise Levels

Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: BASELINE + PROJECT

Metric (Leq, Ldn, CNEL): Ldn

		Seg	gment	N	oise Leve	ls, dB Ldn	1	Distanc	e to Traf	fic Noise	Contou	rs, Feet
Segmen	t Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Evans Street	West of	Third Street	65.2	55.0	60.2	66.7	19	59	188	594	1878
2	Evans Street	Third Street	Jennings Street	67.4	57.1	62.3	68.8	38	121	384	1213	3835
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	68.4	58.1	63.3	69.8	48	153	483	1526	4826
4	Innes Avenue	Hunters Point Blv	c New Griffith Street	70.4	60.2	65.4	71.9	54	171	540	1709	5404
5	Innes Avenue	New Griffith Stree	et Aerlious Walker D	69.6	59.4	64.6	71.1	45	144	455	1438	4546
6	Innes Avenue	Aerlious Walker	D Earl Street	66.9	56.6	61.8	68.3	24	76	239	756	2391
7	Innes Avenue	East of	Earl Street	62.4	52.2	57.4	63.9	9	27	86	272	859
8	Innes Avenue	West of	Hunters Point Blvc	63.2	53.0	58.2	64.7	9	28	88	278	881
9	Griffith Street	North of	Innes Avenue	59.0	50.7	58.4	62.0	5	15	48	152	480
10	Aerlious Walker Drive	North of	Innes Avenue	63.1	54.8	62.4	66.1	12	38	122	385	1217
11	Earl Street	North of	Innes Avenue	61.9	53.6	61.2	64.9	9	29	93	293	927
12	Third Street	North of	Evans Avenue	67.2	57.0	62.2	68.7	37	117	371	1174	3713
13	Third Street	South of	Evans Avenue	67.8	57.6	62.8	69.3	42	134	425	1344	4250
14	Jennings Street	North of	Evans Avenue	61.5	53.2	60.8	64.5	10	31	99	314	993
15	Jennings Street	South of	Evans Avenue	66.6	58.3	65.9	69.6	27	86	273	864	2733
16												
17												

Model Input Sheet



Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: CUMULATIVE NO PROJECT **Ground Type**: Hard

K Factor: 10

		Seg	ment		Speed	Distance							Offset
Segment	Roadway	From	To	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	Evans Street	West of	Third Street	2,027	35	50	98	1	1	80	0	20	0
2	Evans Street	Third Street	Jennings Street	2,055	35	50	98	1	1	80	0	20	0
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	1,880	35	50	98	1	1	80	0	20	0
4	Innes Avenue	Hunters Point Blvd.	New Griffith Street	1,767	35	50	98	1	1	80	0	20	0
5	Innes Avenue	New Griffith Street	Aerlious Walker Drive	1,984	35	50	98	1	1	80	0	20	0
6	Innes Avenue	Aerlious Walker Drive	Earl Street	1,961	35	50	98	1	1	80	0	20	0
7	Innes Avenue	East of	Earl Street	2,140	35	50	98	1	1	80	0	20	0
8	Innes Avenue	West of	Hunters Point Blvd.	122	35	50	98	1	1	80	0	20	0
9	Griffith Street	North of	Innes Avenue	40	25	50	98	1	1	80	0	20	0
10	Aerlious Walker Drive	North of	Innes Avenue	68	25	50	98	1	1	80	0	20	0
11	Earl Street	North of	Innes Avenue	40	25	50	98	1	1	80	0	20	0
12	Third Street	North of	Evans Avenue	2,080	35	50	98	1	1	80	0	20	0
13	Third Street	South of	Evans Avenue	2,234	35	50	98	1	1	80	0	20	0
14	Jennings Street	North of	Evans Avenue	340	25	50	98	1	1	80	0	20	0
15	Jennings Street	South of	Evans Avenue	2,094	25	50	98	1	1	80	0	20	0
16								1	1	80	0		0
17								1	1	80	0		0
18								1	1	80	0		0
19								1	1	80	0		0
20								1	1	80	0		0





Predicted Noise Levels

Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: CUMULATIVE NO PROJECT

Metric (Leq, Ldn, CNEL): CNEL

		Segment		Noise Levels, dB CNEL				Distance to Traffic Noise Contours, Feet					
Segmen	Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB	
1	Evans Street	West of	Third Street	67.9	57.7	62.9	69.4	44	139	439	1387	4386	
2	Evans Street	Third Street	Jennings Street	68.0	57.8	63.0	69.5	44	141	445	1406	4447	
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	67.6	57.4	62.6	69.1	41	129	407	1286	4068	
4	Innes Avenue	Hunters Point Blv	c New Griffith Street	67.3	57.1	62.3	68.8	38	121	382	1209	3823	
5	Innes Avenue	New Griffith Stree	et Aerlious Walker D	67.8	57.6	62.8	69.3	43	136	429	1358	4293	
6	Innes Avenue	Aerlious Walker	D Earl Street	67.8	57.6	62.8	69.3	42	134	424	1341	4242	
7	Innes Avenue	East of	Earl Street	68.2	58.0	63.2	69.7	46	146	463	1464	4630	
8	Innes Avenue	West of	Hunters Point Blvc	55.7	45.5	50.7	57.2	3	8	26	83	264	
9	Griffith Street	North of	Innes Avenue	46.7	38.4	46.0	49.7	0	1	5	15	47	
10	Aerlious Walker Drive	North of	Innes Avenue	49.0	40.7	48.3	52.0	1	3	8	25	79	
11	Earl Street	North of	Innes Avenue	46.7	38.4	46.0	49.7	0	1	5	15	47	
12	Third Street	North of	Evans Avenue	68.1	57.8	63.0	69.5	45	142	450	1423	4501	
13	Third Street	South of	Evans Avenue	68.4	58.1	63.3	69.9	48	153	483	1529	4834	
14	Jennings Street	North of	Evans Avenue	56.0	47.7	55.3	59.0	4	13	40	126	397	
15	Jennings Street	South of	Evans Avenue	63.9	55.6	63.2	66.9	24	77	245	774	2448	
9 10 11 12 13	Griffith Street Aerlious Walker Drive Earl Street Third Street Third Street Jennings Street	North of North of North of North of South of North of	Innes Avenue Innes Avenue Innes Avenue Evans Avenue Evans Avenue Evans Avenue	46.7 49.0 46.7 68.1 68.4 56.0	38.4 40.7 38.4 57.8 58.1 47.7	46.0 48.3 46.0 63.0 63.3 55.3	49.7 52.0 49.7 69.5 69.9 59.0	0 1 0 45 48 4	1 3 1 142 153 13	5 8 5 450 483 40	15 25 15 1423 1529 126	47 79 47 4501 4834 397	

16

17 18

19

Model Input Sheet



Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: BASELINE + PROJECT VARIANT

Ground Type: Hard K Factor: 10

Metric (L_{eq}, L_{dn}, CNEL): Ldn Traffic Desc. (Peak or ADT): Peak

	Segment				Speed	Distance							Offset
Segment	Roadway	From	To	Traffic Vol.	(Mph)	to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	(dB)
1	Evans Street	West of	Third Street	919	35	40	98	1	1	80	0	20	0
2	Evans Street	Third Street	Jennings Street	2,161	35	50	98	1	1	80	0	20	0
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	3,010	35	50	98	1	1	80	0	20	0
4	Innes Avenue	Hunters Point Blvd.	New Griffith Street	3,158	35	35	98	1	1	80	0	20	0
5	Innes Avenue	New Griffith Street	Aerlious Walker Drive	3,021	35	35	98	1	1	80	0	20	0
6	Innes Avenue	Aerlious Walker Drive	Earl Street	1,500	35	35	98	1	1	80	0	20	0
7	Innes Avenue	East of	Earl Street	400	35	35	98	1	1	80	0	20	0
8	Innes Avenue	West of	Hunters Point Blvd.	506	35	30	98	1	1	80	0	20	0
9	Griffith Street	North of	Innes Avenue	520	25	30	98	1	1	80	0	20	0
10	Aerlious Walker Drive	North of	Innes Avenue	1,453	25	30	98	1	1	80	0	20	0
11	Earl Street	North of	Innes Avenue	984	25	30	98	1	1	80	0	20	0
12	Third Street	North of	Evans Avenue	1,919	35	50	98	1	1	80	0	20	0
13	Third Street	South of	Evans Avenue	2,416	35	50	98	1	1	80	0	20	0
14	Jennings Street	North of	Evans Avenue	1,084	25	35	98	1	1	80	0	20	0
15	Jennings Street	South of	Evans Avenue	3,335	25	30	98	1	1	80	0	20	0
16													
17													
18													
19													
20													





Predicted Noise Levels

Project Name: India Basin Mixed-Use Project EIR

Project Number:

Modeling Condition: BASELINE + PROJECT VARIANT

Metric (Leq, Ldn, CNEL): Ldn

		Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet					
Segmen	t Roadway	From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB	
1	Evans Street	West of	Third Street	65.5	55.3	60.4	67.0	20	63	199	629	1989	
2	Evans Street	Third Street	Jennings Street	68.2	58.0	63.2	69.7	47	148	467	1478	4675	
3	Hunters Point Boulevard	Jennings Street	Innes Avenue	69.7	59.4	64.6	71.1	65	206	651	2059	6512	
4	Innes Avenue	Hunters Point Blv	c New Griffith Street	71.4	61.2	66.4	72.9	68	216	683	2160	6832	
5	Innes Avenue	New Griffith Stree	et Aerlious Walker D	71.2	61.0	66.2	72.7	65	207	654	2067	6536	
6	Innes Avenue	Aerlious Walker	D Earl Street	68.2	58.0	63.2	69.7	32	103	325	1026	3246	
7	Innes Avenue	East of	Earl Street	62.4	52.2	57.4	63.9	9	27	87	274	866	
8	Innes Avenue	West of	Hunters Point Blvc	64.1	53.9	59.1	65.6	11	35	109	346	1095	
9	Griffith Street	North of	Innes Avenue	60.0	51.7	59.4	63.1	6	19	61	192	608	
10	Aerlious Walker Drive	North of	Innes Avenue	64.5	56.2	63.8	67.5	17	54	170	537	1699	
11	Earl Street	North of	Innes Avenue	62.8	54.5	62.2	65.8	12	36	115	364	1150	
12	Third Street	North of	Evans Avenue	67.7	57.5	62.7	69.2	42	131	415	1313	4152	
13	Third Street	South of	Evans Avenue	68.7	58.5	63.7	70.2	52	165	523	1653	5228	
14	Jennings Street	North of	Evans Avenue	62.6	54.3	61.9	65.6	13	40	127	401	1267	
15	Jennings Street	South of	Evans Avenue	68.1	59.8	67.5	71.1	39	123	390	1233	3899	
16													