American Consulting 3 August 2009
Corey Carter TNM 2.5
Calculated with TNM 2.5

RESULTS: BARRIER DESIGN

PROJECT/CONTRACT: Gandy Connector PD&E
RUN: Build 2035
BARRIER DESIGN: Culbreath Key Barrier

ATMOSPHERICS: 68 deg F, 50% RH

Selected Receivers

Name	No.	Calc LAeq1h	Noise Reduction Calc	Noise Reduction Goal	Noise Reduction Calc-Goal	Barrier Reviewed	Important Segments Name	Important Segments No.	Important Segments Height	Partial LAeq1h
		dBA	dB	dB	dB				ft	dBA
Culbreath 1-5	147	62.8	0.0	10	-10.0	Culbreath Key Barrier New	point903	903	0.0	38.6
						Culbreath Key Barrier New	point872	872	8.0	38.3
						Culbreath Key Barrier New	point902	902	0.0	36.7
						Culbreath Key Barrier New	point871	871	8.0	34.5
						Culbreath Key Barrier New	point870	870	8.0	32.3
						Culbreath Key Barrier New	point859	859	8.0	32.2
						Culbreath Key Barrier New	point858	858	8.0	31.9
						Culbreath Key Barrier New	point901	901	0.0	30.2
						Culbreath Key Barrier New	point873	873	8.0	-3.5
Culbreath 1-5 Level 2	148	65.0	0.0	10	-10.0	Culbreath Key Barrier New	point903	903	0.0	40.1
						Culbreath Key Barrier New	point872	872	8.0	39.0
						Culbreath Key Barrier New	point902	902	0.0	38.8
						Culbreath Key Barrier New	point870	870	8.0	34.6
						Culbreath Key Barrier New	point859	859	8.0	34.1
						Culbreath Key Barrier New	point871	871	8.0	33.9
						Culbreath Key Barrier New	point858	858	8.0	32.9
						Culbreath Key Barrier New	point901	901	0.0	30.9
						Culbreath Key Barrier New	point873	873	8.0	-2.5
Culbreath 1-5 Level 3	149	66.4	0.1	10	-9.9	Culbreath Key Barrier New	point903	903	0.0	43.0
						Culbreath Key Barrier New	point902	902	0.0	40.6
						Culbreath Key Barrier New	point872	872	8.0	39.8

						Culbreath Key Barrier New	point871	871	8.0	36.4
						Culbreath Key Barrier New	point859	859	8.0	36.1
						Culbreath Key Barrier New	point870	870	8.0	36.0
						Culbreath Key Barrier New	point858	858	8.0	33.7
						Culbreath Key Barrier New	point901	901	0.0	31.9
						Culbreath Key Barrier New	point873	873	8.0	-1.9
Culbreath 1-6	150	63.9	0.1	10	-9.9	Culbreath Key Barrier New	point872	872	8.0	39.2
						Culbreath Key Barrier New	point903	903	0.0	37.5
						Culbreath Key Barrier New	point902	902	0.0	36.6
						Culbreath Key Barrier New	point859	859	8.0	32.9
						Culbreath Key Barrier New	point871	871	8.0	32.6
						Culbreath Key Barrier New	point858	858	8.0	31.2
						Culbreath Key Barrier New	point901	901	0.0	28.9
						Culbreath Key Barrier New	point870	870	8.0	28.4
Culbreath 1-6 Level 2	151	66.0	0.0	10	-10.0	Culbreath Key Barrier New	point872	872	8.0	39.3
						Culbreath Key Barrier New	point903	903	0.0	39.0
						Culbreath Key Barrier New	point902	902	0.0	38.5
						Culbreath Key Barrier New	point859	859	8.0	33.9
						Culbreath Key Barrier New	point871	871	8.0	32.3
						Culbreath Key Barrier New	point858	858	8.0	31.9
						Culbreath Key Barrier New	point901	901	0.0	31.2
						Culbreath Key Barrier New	point870	870	8.0	29.6
Culbreath 1-6 Level 3	152	67.3	-0.0	10	-10.0	Culbreath Key Barrier New	point903	903	0.0	41.3
						Culbreath Key Barrier New	point872	872	8.0	39.9
						Culbreath Key Barrier New	point902	902	0.0	39.8
						Culbreath Key Barrier New	point859	859	8.0	34.8
						Culbreath Key Barrier New	point871	871	8.0	33.6
						Culbreath Key Barrier New	point858	858	8.0	32.6
						Culbreath Key Barrier New	point901	901	0.0	32.4
						Culbreath Key Barrier New	point870	870	8.0	29.8
Total Cost, All Barriers (including additional cost(s))					$377868					

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Calculated with TNM 2.5

RESULTS: BARRIER DESIGN
PROJECT/CONTRACT: Gandy Connector PD&E
RUN: Build 2035
BARRIER DESIGN: CamdenStructureBarrier

ATMOSPHERICS: 68 deg F, 50% RH

Selected Receivers

Name	No.	Calc LAeq1h	Noise Reduction Calc	Noise Reduction Goal	Noise Reduction Calc-Goal	Barrier Reviewed	Important Segments Name	Important Segments No.	Important Segments Height	Partial LAeq1h
		dBA	dB	dB	dB				ft	dBA
Camden Building 1-1	177	65.5	0.1	10	-9.9	CamdenBarrier New	point908	908	8.0	37.8
						CamdenBarrier New	point909	909	8.0	35.6
						CamdenBarrier New	point910	910	8.0	30.7
						CamdenBarrier New	point907	907	8.0	26.0
						CamdenBarrier New	point913	913	8.0	13.8
						CamdenBarrier New	point911	911	8.0	12.9
						CamdenBarrier New	point915	915	8.0	11.6
						CamdenBarrier New	point917	917	8.0	4.8
						CamdenBarrier New	point916	916	8.0	3.0
						CamdenBarrier New	point912	912	8.0	1.0
Camden Building 1-1 Level 2	178	66.9	0.1	10	-9.9	CamdenBarrier New	point908	908	8.0	38.4
						CamdenBarrier New	point909	909	8.0	35.2
						CamdenBarrier New	point910	910	8.0	31.2
						CamdenBarrier New	point907	907	8.0	26.7
						CamdenBarrier New	point913	913	8.0	18.8
						CamdenBarrier New	point911	911	8.0	17.6
						CamdenBarrier New	point915	915	8.0	16.8
						CamdenBarrier New	point917	917	8.0	10.4
						CamdenBarrier New	point916	916	8.0	7.2
						CamdenBarrier New	point912	912	8.0	6.8
Camden Building 1-1 Level 3	179	67.4	0.0	10	-10.0	CamdenBarrier New	point908	908	8.0	38.7

						CamdenBarrier New	point909	909	8.0	36.1
						CamdenBarrier New	point910	910	8.0	32.2
						CamdenBarrier New	point907	907	8.0	27.3
						CamdenBarrier New	point913	913	8.0	20.2
						CamdenBarrier New	point911	911	8.0	19.4
						CamdenBarrier New	point915	915	8.0	18.0
						CamdenBarrier New	point917	917	8.0	11.8
						CamdenBarrier New	point916	916	8.0	8.8
						CamdenBarrier New	point912	912	8.0	7.7
Total Cost, All Barriers (including additional cost(s))					$395304					

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RESULTS: BARRIER DESIGN										
PROJECT/CONTRACT:		Gandy Connector PD&E								
RUN:		Build 2035								
BARRIER DESIGN:		ExecustayStructureBarrier								
ATMOSPHERICS:		68 deg F, 50% RH								
Selected Receivers										
Name	No.									
		Calc	Noise Reduction			Barrier Reviewed	Important Segments			Partial
		LAeq1h	Calc	Goal	Calc-Goal		Name	No.	Height	LAeq1h
		dBA	dB	dB	dB				ft	dBA
Execustay 18-1	356	64.0	0.1	10	-9.9	custay Barrier Structure New	point853	853	8.0	40.6
						Execustay Barrier Structure New	point854	854	8.0	38.8
						Execustay Barrier Structure New	point856	856	8.0	33.6
						Execustay Barrier Structure New	point852	852	8.0	33.2
						Execustay Barrier Structure New	point855	855	8.0	32.7
Execustay 18-1 Level 2	357	67.4	0.0	10	-10.0	custay Barrier Structure New	point853	853	8.0	41.2
						Execustay Barrier Structure New	point854	854	8.0	40.7
						Execustay Barrier Structure New	point856	856	8.0	35.0
						Execustay Barrier Structure New	point855	855	8.0	34.3
						Execustay Barrier Structure New	point852	852	8.0	33.3
Total Cost, All Barriers (including additional cost(s))					$214349					

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Calculated with TNM 2.5

RESULTS: BARRIER DESIGN

PROJECT/CONTRACT: Gandy Connector PD&E
RUN: Build 2035
BARRIER DESIGN: ExecustayGroundBarrier

ATMOSPHERICS: 68 deg F, 50% RH

Selected Receivers

Name	No.	Calc LAeq1h	Noise Reduction Calc	Goal	Calc-Goal	Barrier Reviewed	Important Segments Name	No.	Height	Partial LAeq1h
		dBA	dB	dB	dB				ft	dBA
Execustay 18-1	356	58.7	5.7	10	-4.3	Execustay Barrier New	point844	844	22.0	54.0
						Execustay Barrier New	point843	843	10.0	51.6
						Execustay Barrier New	point840	840	22.0	51.3
						Execustay Barrier New	point845	845	12.0	50.6
						Execustay Barrier New	point846	846	0.0	45.3
						Execustay Barrier New	point839	839	0.0	43.7
						Execustay Barrier New	point842	842	0.0	41.3
						Execustay Barrier New	point841	841	22.0	36.7
Execustay 18-1 Level 2	357	62.6	5.0	10	-5.0	Execustay Barrier New	point844	844	22.0	57.9
						Execustay Barrier New	point845	845	12.0	55.8
						Execustay Barrier New	point840	840	22.0	54.8
						Execustay Barrier New	point843	843	10.0	54.3
						Execustay Barrier New	point846	846	0.0	50.5
						Execustay Barrier New	point839	839	0.0	47.3
						Execustay Barrier New	point842	842	0.0	44.5
						Execustay Barrier New	point841	841	22.0	39.9

Total Cost, All Barriers (including additional cost(s)) $245620