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Filename.....308018  
Test Location.....Preserve at San Juan  
Employee Name.....Dale Till  
Employee Number.....  
Department.....

Calibrator Type.....Metrosonics db 3080/#4103  
Calibrator Cal. Date...

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METROSONICS db-3080 V1.20 SERIAL # 4103  
REPORT PRINTED ON 08/22/13 at 15:48:12

User ID: \_\_\_\_\_

Preserve at San Juan  
Metrosonics db 3080  
Serial #:4103

LOGGING STARTED.....08/21/13 at 10:57:39  
TOTAL LOGGING TIME...0 DAYS 00:15:00  
LOGGING STOPPED.....08/21/13 at 11:12:39  
TOTAL INTERVALS.....1  
INTERVAL LENGTH.....00:15:00

AUTO STOP.....YES  
CLOCK SYNCH.....YES  
RESPONSE RATE.....SLOW  
FILTER.....A WT.

PRE-TEST CALIBRATION TIME....08/19/13 AT 12:46:44  
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB  
POST-TEST CALIBRATION NOT DONE  
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 1 OF 5 >>>

EXCHANGE RATE.....3dB  
CUTOFFS..... 80dB 90dB  
CEILING.....115dB  
DOSE CRITERION LEVEL... 90dB  
DOSE CRITERION LENGTH.. 8 HOURS

Lav..... 41.6dB  
Lav ( 80)..... 38.5dB  
Lav ( 90)..... 38.5dB  
SEL..... 71.1dB

TWA..... 38.5dB  
TWA ( 80)..... 38.5dB  
TWA ( 90)..... 38.5dB

Lmax..... 55.5dB 08/21/13 at 10:57:39  
Lpk.....UNDER RANGE  
TIME OVER 115dB...00:00:00.00

DOSE ( 80)..... 0.00%  
PROJ. DOSE ( 80).. 0.00%  
DOSE ( 90)..... 0.00%  
PROJ. DOSE ( 90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 1 OF 5 >>>

TIME	Lav dBA	Lmax dBA	L(10.0) dBA	L(90.0) dBA
08/21/13 10:57:39	41.6	55.5	43.5	39.5

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Filename.....308018  
Test Location.....Preserve at San Juan  
Employee Name.....Dale Till  
Employee Number.....  
Department.....

Calibrator Type.....Metrosonics db 3080/#4103  
Calibrator Cal. Date...

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METROSONICS db-3080 V1.20 SERIAL # 4103  
REPORT PRINTED ON 08/22/13 at 15:50:04

User ID: \_\_\_\_\_

Preserve at San Juan  
Metrosonics db 3080  
Serial #:4103

LOGGING STARTED.....08/21/13 at 11:45:42  
TOTAL LOGGING TIME...0 DAYS 00:15:00  
LOGGING STOPPED.....08/21/13 at 12:00:42  
TOTAL INTERVALS.....1  
INTERVAL LENGTH.....00:15:00

AUTO STOP.....YES  
CLOCK SYNCH.....YES  
RESPONSE RATE.....SLOW  
FILTER.....A WT.

PRE-TEST CALIBRATION TIME....08/19/13 AT 12:46:44  
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB  
POST-TEST CALIBRATION NOT DONE  
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 3 OF 5 >>>

EXCHANGE RATE.....3dB  
CUTOFFS..... 80dB 90dB  
CEILING.....115dB  
DOSE CRITERION LEVEL... 90dB  
DOSE CRITERION LENGTH.. 8 HOURS

Lav..... 42.1dB  
Lav ( 80)..... 38.5dB  
Lav ( 90)..... 38.5dB  
SEL..... 71.5dB

TWA..... 38.5dB  
TWA ( 80)..... 38.5dB  
TWA ( 90)..... 38.5dB

Lmax..... 52.2dB 08/21/13 at 11:49:05  
Lpk.....UNDER RANGE  
TIME OVER 115dB...00:00:00.00

DOSE ( 80)..... 0.00%  
PROJ. DOSE ( 80).. 0.00%  
DOSE ( 90)..... 0.00%  
PROJ. DOSE ( 90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 3 OF 5 >>>

TIME	Lav dBA	Lmax dBA	L(10.0) dBA	L(90.0) dBA
08/21/13 11:45:42	42.1	52.2	44.5	38.5

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Filename.....308018  
Test Location.....Preserve at San Juan  
Employee Name.....Dale Till  
Employee Number.....  
Department.....

Calibrator Type.....Metrosonics db 3080/#4103  
Calibrator Cal. Date...

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METROSONICS db-3080 V1.20 SERIAL # 4103  
REPORT PRINTED ON 08/22/13 at 15:50:29

User ID: \_\_\_\_\_

Preserve at San Juan  
Metrosonics db 3080  
Serial #:4103

LOGGING STARTED.....08/21/13 at 12:15:25  
TOTAL LOGGING TIME...0 DAYS 00:15:00  
LOGGING STOPPED.....08/21/13 at 12:30:25  
TOTAL INTERVALS.....1  
INTERVAL LENGTH.....00:15:00

AUTO STOP.....YES  
CLOCK SYNCH.....YES  
RESPONSE RATE.....SLOW  
FILTER.....A WT.

PRE-TEST CALIBRATION TIME....08/19/13 AT 12:46:44  
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB  
POST-TEST CALIBRATION NOT DONE  
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 4 OF 5 >>>

EXCHANGE RATE.....3dB  
CUTOFFS..... 80dB 90dB  
CEILING.....115dB  
DOSE CRITERION LEVEL... 90dB  
DOSE CRITERION LENGTH.. 8 HOURS

Lav..... 44.9dB  
Lav ( 80)..... 38.5dB  
Lav ( 90)..... 38.5dB  
SEL..... 74.3dB

TWA..... 38.5dB  
TWA ( 80)..... 38.5dB  
TWA ( 90)..... 38.5dB

Lmax..... 58.5dB 08/21/13 at 12:30:08  
Lpk.....UNDER RANGE  
TIME OVER 115dB...00:00:00.00

DOSE ( 80)..... 0.00%  
PROJ. DOSE ( 80).. 0.00%  
DOSE ( 90)..... 0.00%  
PROJ. DOSE ( 90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 4 OF 5 >>>

TIME	Lav dBA	Lmax dBA	L(10.0) dBA	L(90.0) dBA
08/21/13 12:15:25	44.9	58.5	47.5	40.5

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Filename.....308018  
Test Location.....Preserve at San Juan  
Employee Name.....Dale Till  
Employee Number.....  
Department.....

Calibrator Type.....Metrosonics db 3080/#4103  
Calibrator Cal. Date...

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METROSONICS db-3080 V1.20 SERIAL # 4103  
REPORT PRINTED ON 08/22/13 at 15:50:44

User ID: \_\_\_\_\_

Preserve at San Juan  
Metrosonics db 3080  
Serial #:4103

LOGGING STARTED.....08/21/13 at 12:39:47  
TOTAL LOGGING TIME...0 DAYS 00:15:00  
LOGGING STOPPED.....08/21/13 at 12:54:47  
TOTAL INTERVALS.....1  
INTERVAL LENGTH.....00:15:00

AUTO STOP.....YES  
CLOCK SYNCH.....YES  
RESPONSE RATE.....SLOW  
FILTER.....A WT.

PRE-TEST CALIBRATION TIME....08/19/13 AT 12:46:44  
PRE-TEST CALIBRATION RANGE...38.5 TO 138.5 dB  
POST-TEST CALIBRATION NOT DONE  
CUTOFF USED FOR TIME HISTORY Lav...NONE

<<< SUMMARY REPORT FOR TEST NUMBER 5 OF 5 >>>

EXCHANGE RATE.....3dB  
CUTOFFS..... 80dB 90dB  
CEILING.....115dB  
DOSE CRITERION LEVEL... 90dB  
DOSE CRITERION LENGTH.. 8 HOURS

Lav..... 50.1dB  
Lav ( 80)..... 38.5dB  
Lav ( 90)..... 38.5dB  
SEL..... 79.5dB

TWA..... 38.5dB  
TWA ( 80)..... 38.5dB  
TWA ( 90)..... 38.5dB

Lmax..... 65.3dB 08/21/13 at 12:44:40  
Lpk.....UNDER RANGE  
TIME OVER 115dB...00:00:00.00

DOSE ( 80)..... 0.00%  
PROJ. DOSE ( 80).. 0.00%  
DOSE ( 90)..... 0.00%  
PROJ. DOSE ( 90).. 0.00%

<<< TIME HISTORY REPORT FOR TEST NUMBER 5 OF 5 >>>

TIME	Lav dBA	Lmax dBA	L(10.0) dBA	L(90.0) dBA
08/21/13 12:39:47	50.1	65.3	53.5	40.5



**FHWA-RD-77-108 Highway Traffic Noise Prediction Model  
Predicted Noise Levels**

Project: Preserve at San Juan  
 Description: Existing (2013) & Existing With Project Traffic Noise Levels  
 Traffic Volumes Source: Urban Crossroads, The Preserve at San Juan Traffic Impact Analysis, September 24, 2013.  
 Ldn/CNEL: CNEL

Traffic Distribution	Day:	77.70%
	Evening	12.70%
	Night	9.60%

Roadway Segment	Segment Location	ADT	Speed	Distance	Offset (dB)	% Med. Trucks	% Hvy. Trucks	dB Ldn
<b>Existing (2013) Traffic Volumes</b>								
Ortega Highway	East of Antonio Pkwy.	15,500	55	50	-5	0.018	0.007	67.2
	South of Long Cyn. Rd.	11,600	55	50	0	0.018	0.007	70.4
	North of Monte Vista St.	11,700	55	50	0	0.018	0.007	70.5
	South of Grand Ave.	12,800	55	55	-5	0.018	0.007	65.4
Monte Vista Street	West of Ortega Hwy.	100	30	15	0	0.018	0.007	49.0
Jefferson Avenue	North of Ortega Hwy.	17,900	55	269	0	0.018	0.007	65.0
Long Canyon Road	West or Ortega Hwy.	100	30	50	0	0.018	0.007	43.5
Grand Avenue	West of Ortega Hwy.	18,400	45	25	0	0.018	0.007	73.3
	East of Ortega Hwy.	15,600	45	40	0	0.018	0.007	70.6
<b>Existing (2013) Plus Project Traffic Volumes</b>								
Ortega Highway	East of Antonio Pkwy.	15,900	55	50	-5	0.018	0.007	67.3
	South of Long Cyn. Rd.	12,100	55	50	0	0.018	0.007	70.6
	North of Monte Vista St.	12,000	55	50	0	0.018	0.007	70.6
	South of Grand Ave.	13,000	55	55	-5	0.018	0.007	65.5
Monte Vista Street	West of Ortega Hwy.	100	30	15	0	0.018	0.007	49.0
Jefferson Avenue	North of Ortega Hwy.	18,000	55	269	0	0.018	0.007	65.1
Long Canyon Road	West or Ortega Hwy.	600	30	50	0	0.018	0.007	51.3
Grand Avenue	West of Ortega Hwy.	18,500	45	25	0	0.018	0.007	73.3
	East of Ortega Hwy.	15,600	45	40	0	0.018	0.007	70.6

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model  
Predicted Noise Levels**

Project: Preserve at San Juan  
 Description: Future (2017) & Future With Project Traffic Noise Levels  
 Traffic Volumes Source: Urban Crossroads, The Preserve at San Juan Traffic Impact Analysis, September 24, 2013.  
 Ldn/CNEL: CNEL

Traffic Distribution	Day:	77.70%
	Evening	12.70%
	Night	9.60%

Roadway Segment	Segment Location	ADT	Speed	Distance	Offset (dB)	% Med. Trucks	% Hvy. Trucks	dB Ldn
<b>Existing (2013) Traffic Volumes</b>								
Ortega Highway	East of Antonio Pkwy.	17,100	55	50	-5	0.018	0.007	67.7
	South of Long Cyn. Rd.	12,800	55	50	0	0.018	0.007	70.9
	North of Monte Vista St.	12,800	55	50	0	0.018	0.007	70.9
	South of Grand Ave.	13,600	55	55	-5	0.018	0.007	65.7
Monte Vista Street	West of Ortega Hwy.	100	30	15	0	0.018	0.007	49.0
Jefferson Avenue	North of Ortega Hwy.	20,100	55	269	0	0.018	0.007	65.5
Long Canyon Road	West or Ortega Hwy.	100	30	50	0	0.018	0.007	43.5
Grand Avenue	West of Ortega Hwy.	20,600	45	25	0	0.018	0.007	73.8
	East of Ortega Hwy.	17,500	45	40	0	0.018	0.007	71.1
<b>Existing (2013) Plus Project Traffic Volumes</b>								
Ortega Highway	East of Antonio Pkwy.	17,400	55	50	-5	0.018	0.007	67.7
	South of Long Cyn. Rd.	13,100	55	50	0	0.018	0.007	71.0
	North of Monte Vista St.	13,000	55	50	0	0.018	0.007	70.9
	South of Grand Ave.	13,800	55	55	-5	0.018	0.007	65.8
Monte Vista Street	West of Ortega Hwy.	100	30	15	0	0.018	0.007	49.0
Jefferson Avenue	North of Ortega Hwy.	20,200	55	269	0	0.018	0.007	65.6
Long Canyon Road	West or Ortega Hwy.	600	30	50	0	0.018	0.007	51.3
Grand Avenue	West of Ortega Hwy.	20,700	45	25	0	0.018	0.007	73.8
	East of Ortega Hwy.	17,600	45	40	0	0.018	0.007	71.1

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model  
Predicted Noise Levels**

Project: Preserve at San Juan  
 Description: Future (2035) & Future With Project Traffic Noise Levels  
 Traffic Volumes Source: Urban Crossroads, The Preserve at San Juan Traffic Impact Analysis, September 24, 2013.  
 Ldn/CNEL: CNEL

Traffic Distribution	Day:	77.70%
	Evening	12.70%
	Night	9.60%

Roadway Segment	Segment Location	ADT	Speed	Distance	Offset (dB)	% Med. Trucks	% Hvy. Trucks	dB Ldn
<b>Existing (2013) Traffic Volumes</b>								
Ortega Highway	East of Antonio Pkwy.	26,400	55	50	-5	0.018	0.007	69.6
	South of Long Cyn. Rd.	18,200	55	50	0	0.018	0.007	72.4
	North of Monte Vista St.	18,100	55	50	0	0.018	0.007	72.4
	South of Grand Ave.	18,000	55	55	-5	0.018	0.007	66.9
Monte Vista Street	West of Ortega Hwy.	100	30	15	0	0.018	0.007	49.0
Jefferson Avenue	North of Ortega Hwy.	33,700	55	269	0	0.018	0.007	67.8
Long Canyon Road	West or Ortega Hwy.	100	30	50	0	0.018	0.007	43.5
Grand Avenue	West of Ortega Hwy.	34,000	45	25	0	0.018	0.007	75.9
	East of Ortega Hwy.	29,700	45	40	0	0.018	0.007	73.4
<b>Existing (2013) Plus Project Traffic Volumes</b>								
Ortega Highway	East of Antonio Pkwy.	26,600	55	50	-5	0.018	0.007	69.6
	South of Long Cyn. Rd.	18,500	55	50	0	0.018	0.007	72.5
	North of Monte Vista St.	18,300	55	50	0	0.018	0.007	72.4
	South of Grand Ave.	18,200	55	55	-5	0.018	0.007	67.0
Monte Vista Street	West of Ortega Hwy.	100	30	15	0	0.018	0.007	49.0
Jefferson Avenue	North of Ortega Hwy.	33,700	55	269	0	0.018	0.007	67.8
Long Canyon Road	West or Ortega Hwy.	600	30	50	0	0.018	0.007	51.3
Grand Avenue	West of Ortega Hwy.	34,100	45	25	0	0.018	0.007	76.0
	East of Ortega Hwy.	29,800	45	40	0	0.018	0.007	73.4

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model  
Predicted Noise Levels**

Project: Preserve at San Juan  
 Description: Future (2017/2035) Onsite Noise Levels  
 Traffic Volumes Source: Urban Crossroads, The Preserve at San Juan Traffic Impact Analysis, September 24, 2013.  
 Ldn/CNEL: CNEL

Traffic Distribution	Day:	77.70%
	Evening	12.70%
	Night	9.60%

Roadway Segment	Segment Location	ADT	Speed	Distance	Offset (dB)	% Med. Trucks	% Hvy. Trucks	dB Ldn
<b>Future (2017/2035) Plus Project Traffic Volumes</b>								
Long Canyon Road	East of Project Dwy. (@Phase 1 Residential Use)	600	30	60	0	0.018	0.007	50.5
	East of Project Dwy. (@Phase 2 Residential Use)	600	30	1050	0	0.018	0.007	38.0
Project Driveway	South of Long Cyn Rd. (@Phase 1 Res. Use)	400	30	40	0	0.018	0.007	50.5
	Norht of Long Cyn. Rd. (@Phase 2 Res. Use)	200	30	30	0	0.018	0.007	48.8