Appendix H
Noise

ATTACHMENT A

Traffic Field Noise and Construction Noise Receiver Locations Maps Showing Study Area

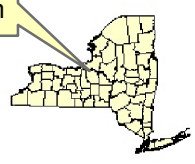
5801 Harold Pl
Kenlaren Cir
128 Michael Ave
7000 All Nations Blvd
190 Roxboro Cir
6570 Fly Road
210 Dexter Ave
406 Sunset Ave
606 Nichols Ave
310 Leavenworth Ave
824 Burnet Ave
119 S Clinton St
500 E Genesee St
507 University Ave
701 S West St
507 E Adams St
5860 Heritage Landing Dr
267 Leon St
189 Hobart Ave
5050 Jamesville Rd
6120 Rock Cut Rd

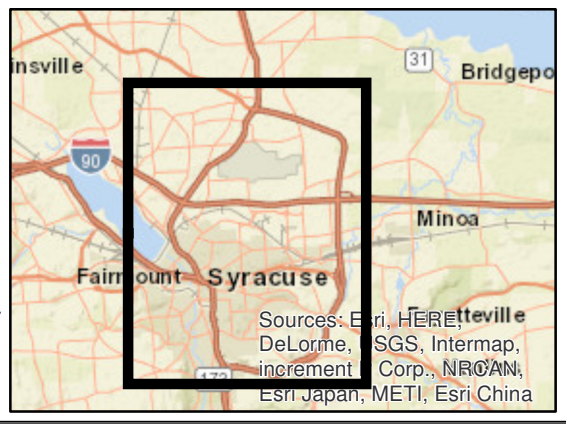
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

LEGEND

- Field Noise Measurement Receivers
- 24-Hour Field Noise Measurement Receivers
- Project Study Area Limits*
- Existing Noise Barriers

Project Location





0 2,700 5,400 10,800 Feet

WATTS ARCHITECTURE & ENGINEERING

Traffic Field Noise Receiver Locations

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/7/2016

* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

Construction Noise Site G

Construction Noise Site A

Construction Noise Site B

Construction Noise Site C

Construction Noise Site D

Construction Noise Site E

Construction Noise Site F

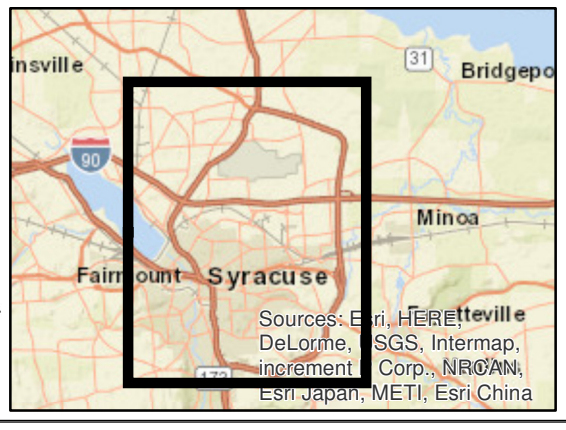
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

LEGEND

Project Study Area Limits*

Construction Noise Receivers

Project Location



0 2,750 5,500 11,000 Feet

WATTS ARCHITECTURE & ENGINEERING

Construction Noise Receiver Locations

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/7/2016

* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

ATTACHMENT B

Field Noise and Validation Model Results

TABLE - Field Noise and Validation Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Number	Name	Activity Category	Representing	Address	Short Term Measurement Start Date & Time	Short Term Field Results (L_{eq} -dBA)	Validation Model Results * (L_{eq} -dBA)	24-Hour Measure Site**
1	Orchard Estates Apartments	B - Residential	Orchard Estates Apartments and School East of I-81	190 Roxboro Cir Town of Salina	5/10/2016 14:18	67.2	69.7	---
2	Abundant Life Christian Center	C - Church	Exterior area of Abundant Life Christian Center	7000 All Nations Blvd Town of Cicero	5/10/2016 11:11	60.0	57.7	---
3	Butternut Creek Golf Course	C - Golf Course	Golf course	5050 Jamesville Rd Town of De Witt	5/10/2016 16:58	66.0	68.5	Y
4	Residences Along West Side of I-81	B - Residential	Residences Along West Side of I-81	189 Hobart Ave Syracuse	5/12/2016 10:43	59.4	60.3	Y
5	Residences North of Burnet Ave	B - Residential	Residences north of Burnet Ave in houses and apartments	824 Burnet Ave Syracuse	5/12/2016 8:56	66.5	66.3	---
6	Apartments and Church along University Ave 3	B - Residential	Apartments and Church along University Ave (Between Harrison and Madison)	507 University Ave Syracuse	5/11/2016 18:36	59.6	57.5	---
7	Apartment Complex Area 1	B - Residential	Appartment complex on south side of E Adams	507 E Adams St Syracuse	5/12/2016 7:59	64.8	67.7	---
8	Leon St/Oakwood Ave Area Residences	B - Residential	Residences along West site of I-81 near Leon/Oakwood	267 Leon St Syracuse	5/11/2016 7:49	69.9	72.8	---
9	Cliffside Trailer Park	B - Residential	Residences in the Cliffside Trailer Park	6120 Rock Cut Rd Town of De Witt	5/11/2016 10:47	65.5	68.1	---
10	Heritage Landing Drive Apartments	B - Residential	Heritage Landing Drive Apartments and nearby Erie Canal State Park	5860 Heritage Landing Dr Town of De Witt	5/11/2016 13:39	65.1	67.8	---
11	Upstate Orthopedics	C - Medical and Park	Medical land use with walking trails through ponds and gardens	6570 Fly Road East Syracuse	5/11/2016 8:41	71.5	70.9	Y
12	Noise Wall No 481I333N3	B - Residential	Residences behind Noise Wall No 481I333N3	Kenlaren Cir Town of Cicero	5/10/2016 10:08	55.4	55.3	---
13	Harold Place Area Residences	B - Residential	Residences along the east and west sides of I-81 on north end of project	5801 Harold Pl Town of Cicero	5/11/2016 17:28	70.7	72.0	---
14	Residences East of I-81	B - Residential	Residences East of I-81 between E Taft and up to Church St	128 Michael Ave Town of Cicero	5/10/2016 13:08	70.0	69.1	Y
15	Noise Wall No 81I333S2	B - Residential	Residences behind Noise Wall No 81I333S2	210 Dexter Ave Town of Salina	5/10/2016 18:03	57.0	57.3	---
16	Residences Along Sunset Ave	B - Residential	Residences on the northeast side of Sunset Avenue	406 Sunset Ave Syracuse	5/12/2016 12:02	63.6	62.7	---
17	Hanley Federal Building Greenspace	C - Park	Greenspace exterior use area at Hanley Federal Building	119 S Clinton St Syracuse	5/11/2016 14:59	61.7	58.9	---
18	Apartment Building at 701 S West St	B - Residential	Apartment Building at 701 S West St	701 S West St Syracuse	5/12/2016 15:31	65.2	66.2	---
19	Outdoor Public Access Area	C - Park	Sitting area in front of Bank of America	500 E Genesee St Syracuse	5/10/2016 19:11	60.7	59.9	Y
20	Residences in the Leavenworth Ave Area	B - Residential	Residences Along Leavenworth Ave	310 Leavenworth Ave Syracuse	5/11/2016 16:21	62.7	65.5	---
21	Nichols Ave Area Residences	B - Residential	Residential land uses north of I-690 in the area near Nichols Avenue	606 Nichols Ave Syracuse	5/12/2016 14:00	74.1	73.2	Y

Notes: L_{eq} = Equivalent Sound Level

* Model validation sound levels are considered accurate if the corresponding short term field noise measurements are within ±3 dBA of field sound levels.

** Examination of 24-hour field measured noise levels and extraneous noises (e.g. construction equipment, music, loud people, animals, non-traffic noise, etc.) indicated that 7:30am-8:30am were the average peak noise hours (for traffic related noise) for the project throughout the measured intervals. See the 24-Hour Noise Survey field forms for hourly field noise levels.

--- Only short term field measurements were collected at these sites. Representative 24-hour noise measurements were only collected at the representaive locations identified in the table with a "Y" in the "24-Hour Measurement Site" column.

ATTACHMENT C

Field Noise Monitoring Logs

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/16/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 3 MPH DIRECTION: WSW
TEMPERATURE: 65° F
HUMIDITY: 25% RH

	RUN TIME	NOISE LEVEL dBA	COMMENTS
	14:18	–	Begin
	14:23	–	car door @ ~~Daycare~~ Leasing offic
	14:26	–	same car start & depart (counted
	14:28	69.9	Plane
	14:32	65-66	Plane
*	14:41	83.0+	Plane directly over head.
			Leq jumped from ~66.5 to ~67.3.
	14:43		end.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 1
Orchard Estates Apartments
190 Roxboro Cir

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	65.3	66.0	66.1	66.4	67.2 *
Start Time 14:18	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 1
Orchard Estates Apartments
190 Roxboro Cir

Notes: I-81 speeds appear normal. (70 mph) 10 mph for Roxboro Cir.

	Function		Street	Person Name (counter facing)
Person #1:	Meter, Speeds, Cnt	√	Roxboro Cir	MH - 01-0367 count 004 ↑
Person #2:	Traffic Count	√	I-81 NB	DD - 01-0803 count 004 →
Person #3:	Traffic Count	√	I-81 SB	MG - 01-0364 count 004 →
Person #4:				
Person #5:				
Person #6:				

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 5 DIRECTION: S
TEMPERATURE: 56°F
HUMIDITY: 32% RH

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 2
Abundant Life Christian Center
7000 All Nations Blvd

RUN TIME	NOISE LEVEL dBA	COMMENTS
11:11		begin
11:15	high 50's	plane
~11:17	mid 40's	tower lift reverse beeping alarm.
11:33	55	plane
11:36		end
NB - I-481	lane restriction due to work on tower immediately north of E. Taft, Lane restriction starts ~1600' south of E Taft to ~100' N	
21-07	Lane restriction 45 mph. Ends at 21-09. Single Lane	

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	59.8	59.8	59.9	60.4	60.0
Start Time 11:11	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 2
Abundant Life Christian Center
7000 All Nations Blvd

Notes: I-481 speeds appear consistent with NR 12 ± 70mph except NB. ~45mp
Parking Lot = 20 mph.
counter arrow to E for all.

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	All Nations Blvd	MH - D1-0363
Person #2:	Traffic Count	I-481 SB	MG - D1-0364
Person #3:	Traffic Count	I-481 NB	DO - D1-0803
~~Person #4:~~	~~Traffic Count~~	~~E. Taft - CONFIRM NEED~~	Not necessary. Not Audible.
Person #5:			
Person #6:			

I-481 can be counted @ receptor.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 1 mph DIRECTION: NNE
TEMPERATURE: 63° F
HUMIDITY: 24% RH

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 3
Butternut Creek Golf Course
5050 Jamesville Rd

RUN TIME	NOISE LEVEL dBA	COMMENTS
16:58		Begin
17:18		end

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 3
Butternut Creek Golf Course
5050 Jamesville Rd

Notes: Speeds taken via Radar for SB. Range 61-79. Avg is 70 mph.

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA	Engine Brake Marks - MH
Person #2:	Traffic Count	I-481 SB	MG - D1-0364, Count 006, ←
Person #3:	Traffic Count	I-481 NB	DO D1-0803, Count 006 ←
Person #4:			
Person #5:			
Person #6:			

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 4/20 → 4/21 2016 | PROJECT NAME: I-81 Viaduct Project (D031085)

JOB NO: 13092 | LOCATION: Syracuse, New York

PIN NO: 3501.60 | PERSONNEL: MH, ScM, DO

INSTRUMENT: Casella CEL | SN: FA00337 | WEIGHTING: A

CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA

START (DATE/TIME): 4/20/16 - 10:47 am

END (DATE/TIME): 4/21/16 - 11:00 am

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 3
Butternut Creek Golf Course
5050 Jamesville Rd

RUN TIME	L_{Aeq} NOISE LEVEL dBA	TEMP (°F)	WIND (mph)	RH (%)	COMMENTS
11:20 0 (11-12)	66.7	54°	8 NNW	31	~12:15 - Golf course cutting grass in area
12:05 1	64.1	57°	9 NW	28	Likely not affecting too much. Levels
13:00 2	64.5	59°	3 N	24	w/o cars = 52-55D, w/cars 60-70.
14:00 3	65.7	62°	8 N	19	Finished in area after 15-20 mins.
15:00 4	65.1	63	6 N	19	without mowing & no cars = 48-51.
16:00 5	65.1	64	SE/E	16	1622 door closing
17:00 6	64.4	65	6 NW	17	
18:00 7	62.6	65	12 NW	24	
19:00 8	62.3	65	4 N	25	
20:00 9	63.5	57	2 N	34	
21:00 10	63.6	48	ONE	47	
22:00 11	60.1	45	0 E	52	
23:00 12	59.1	43	2 E	57	Left at, 23:58
24:00 13	58.3	43	1 SSE	57	23:55 Police vehicle stopped up, concerned about truck on side of the road. Not likely affecting levels too much; just acceleration, deceleration. Wind changed from N to S, but only 1 mph @ 2400.
~~00:00 14~~	~~64.0~~	~~43~~	~~1 SSE~~	~~57~~	
01:00 15 (14)	57.6	41	2 S	61	Not likely a factor.
02:00 16 15	54.8	42	2 SE	64	Coyote cries 0114 - 0120 → to East (unable to get LAF at time.
03:00 17 16	57.8	41	4 SE	61	↳ large coyote spotted less than 50 yards from set up
04:00 18 17	59.7	40.1	E	63	at 0150, Standing median ESE direction.
05:00 19 18	62.2	39	4 SE	66	
06:00 20 19	68.0	39	2 ESE	63	0327: Another appeared from SE, within 20 yards of
07:00 21 20	68.2	43	4 E	54	setup.
08:00 22 21	67.8	52	6 E	40	0450 - Birds calling obnoxiously early morning, when no traffic
09:00 23 22	67.2	60	4 E	41	bird calls increase. LAF from 40 to 47 (at minimum)
10:00 24 23	66.9	65	6 SE	23	When some traffic birds calling increases LAF from 52-60
11:00 24	—	68		25	0603 - low flying plane just taking off out of Syr. LAF jumped from 53/54 to 58/59

0614 - car honked at me. (Double Tap)

0950 - 10:10 Golf course lawn mowing - peaked at 70.1 LAF

Additional Comments: Begin 24-hour measurement @ ~10:47 (after discussing instrument settings w/ rental company). Engine brakes from trucks are very noisey. Some trucks braking starts >1500' before pull off & continues to Exit 2 ramps. In addition, trucks exiting downshift creating noise. Significant truck traffic due to gravel pit located to the SE, which is visible. Background noise elevated some due to gravel pit operations. In addition, trucks accelerating from NB ramp are very discernable.

Run 3 stopped @ 24 hours. per setting in dosimeter.

* Calculated L_{Aeq} for each hour.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 2-3 mph DIRECTION: WSW
TEMPERATURE: 78° F
HUMIDITY: 31% RH

SB81 very audible, NB81 is much less audible. Mainly only trucks, buses, motorcycles, other than a general hum.

RUN TIME	NOISE LEVEL dBA	COMMENTS
a few	false	starts.
reset (no new	counts on counters)	
10:43	-	begin
10:58		end

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 4
Residences Along West Side of I-81
189 Hobart Ave

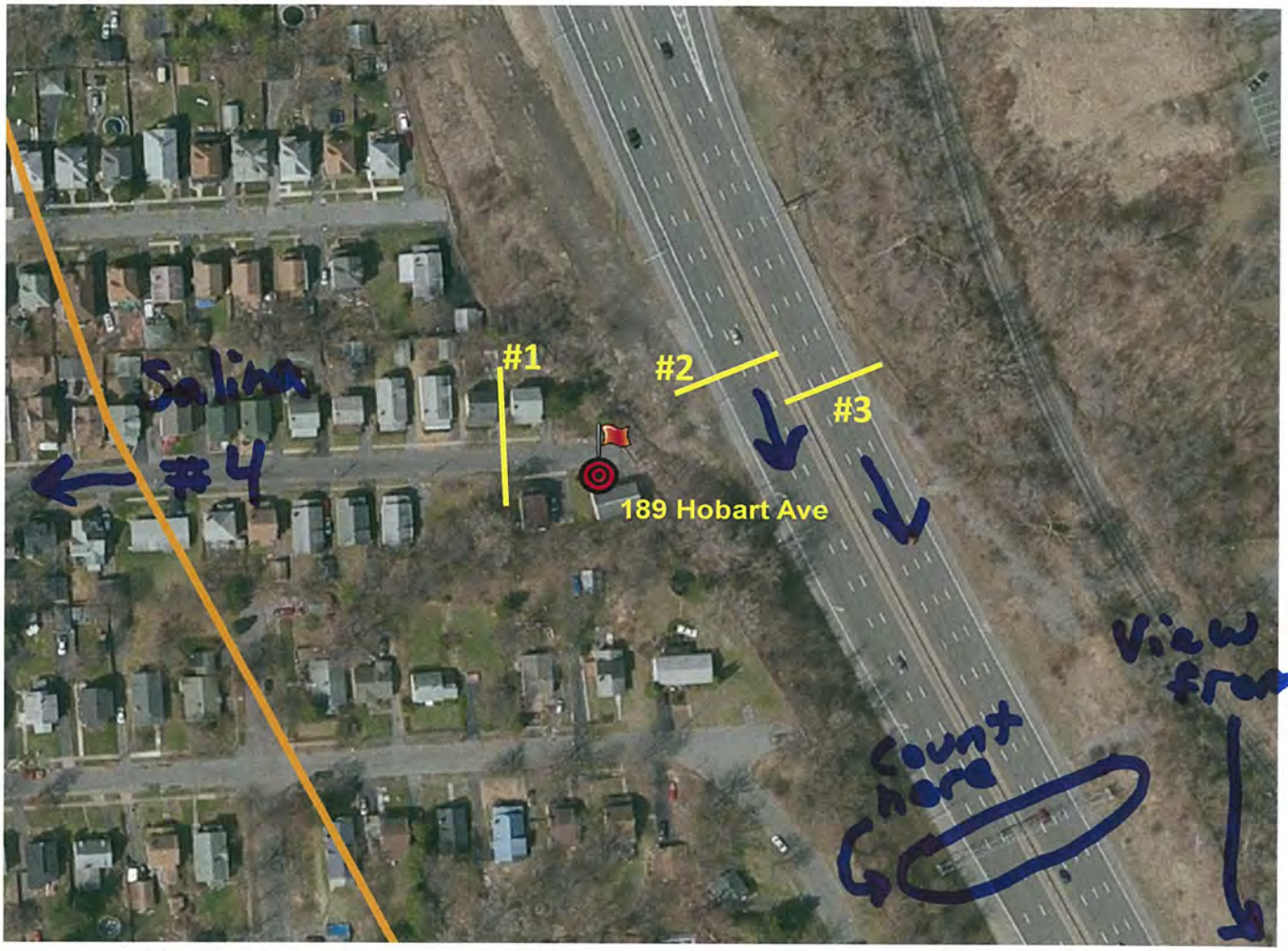
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	60.4	59.4	59.4		
Start Time 10:43	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



Speeds
81 NB -
81 SB -
Salina -
Hobart -
see sheet

RECEPTOR I.D. 4
Residences Along West Side of I-81
189 Hobart Ave

Notes:

	Function	Street		Person Name
Person #1:	Meter, ~~Speeds~~, Cnt	Hobart	MH, D1-0803,	Count 019 ↑ No cars, North
Person #2:	Traffic Count	I-81 SB	MG, D1-0364,	Count 020, →
Person #3:	Traffic Count	I-81 NB	KO, JKK iPAD,	Time, →
Person #4:	Traffic Count	Salina	NK, D1-0363,	Count 020 →
Person #5:	DO. Speeds at	all		
Person #6:				

I-81 counts collected @ bridge to South @ E. Glen Ave.
Count Vehicles to N @ steel truss over Rd.

Site 4: Speeds

I 81:

N. Bound

RANGE: 55–70

Avg.: 62 mph

S. Bound

Range: 55–70

Avg.: 59 mph

S. SACINA ST.

Range: 25–35

Avg. 31

HOBART:

Range: 20–25

Avg. 23

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 04/26/16 – 04/27/16 | PROJECT NAME: I-81 Viaduct Project (D031085)

JOB NO: 13092 | LOCATION: Syracuse, New York

PIN NO: 3501.60 | PERSONNEL: Dustin Osborne / Scott Mathews / Matt Holquist

INSTRUMENT: ~~ENV. CALC~~ FA02204 CASELLA ~~CEL~~ SN: FA02204 WEIGHTING: A

CALIBRATION (dBA): *Before:* 114 dB *After:* ~~113~~ 114 dBA

START (DATE/TIME): 04/26/16 (1900) →

END (DATE/TIME): 04/27/16 (1900)

Instrument: Casella CEL 633 SN# FA00337

RUN TIME	NOISE LEVEL dBA	°F TEMP	MPH WIND	% RH	COMMENTS
0 1900	59.0	39	4 W	92	At very start of study (Minute 1)
1 2000	58.0	38	1 W	89	a vehicle pulled over on 81 South
2 2100	56.5	37	1W	85	for a couple minutes directly
3 2200	56.8	35	1W	85	in front of Microphone.
4 2300	56.0	34	1 W	84	1934 - Loud dog bark adjacent house
5 0000	54.0	33	1 W	84	right by microphone. Stopped around
6 0100	54.1	33	0 W	84	1945. At 2008 vehicle pulled
7 0200	54.4	33	2 WNW	84	over I 81 south, and accelerated
8 0300	53.8	33	1 W	84	directly in front of Microphone.
9 0400	55.9	32	0W	87	2052 - Siren - Salina Street
10 0500	56.9	33	0 S	88	2054 - neighbor traffick
11 0600	58.7	34	0 S	84	2057 - car/truck in pull off - idoling - street sweeper
12 0700	58.7	35	0 S	85	2220 - Truck in pull off, back-up-beeper - Street sweeper again
13 0800	59.7	36	0 S	85	↳ LAs jumped from 53 to 60, inserted blue mark on computer @ 2222
14 0900	59.2	37	1 NW	96	↳ left pull-off at 2230 (acceleration)
15 1000	59.2	41	0 W	64	2240 neighbors depart in 2 separate vehicles. @ 2242
16 1100	59.4	~~45~~ 45	~~754~~ 754	~~82~~ 57	2322 - Road sweeping truck in pull-off - no back-up beeper this time
17 1200	60.6	46	9 NW	44	2329 - vehicle approaches microphone setup - curious - neighboring resident.
18 1300	58.7	52	6 WNW	32%	0004 - Siren - Ambulance - North Bound - South Salina.
19 1400	58.4	50	3 NNE	31%	0049 - Neighbor arrives back home.
20 1500	58.9	54	6 NW	28%	0057 - Road sweeper with back up beeper in pull-off plotted marks (BLUE on computer.
21 1600	59.3	53	4N	27%	
22 1700	60.4	52	3W	30	0102 - Neighbor (148) arrives home, parks car 20' from microphone
23 1800	60.0	52	3 NNW	32	↳ plotted more BLUE marks on computer. At same time another neighbor
24 1900	—	50	1N	31	arrived home BOTH creating notable noise disturbance
					0109 - spotted dog (one that had been barking) out to do business. Surprisingly did not make any considerable noise.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 4

Residences Along West Side of I-81

189 Hobart Ave

Additional Comments: Pull-off adjacent to Microphone - I 81 South

0255 - Another road sweeper. No rear back up signal. - little noise differential.

0434 - Robin calling & Road Sweeper with back up beep LAs jumped from 40 to 60. Put BLUE mark on computer.

0451 - People screaming at top of their lungs

0434 - still dumping, beeping and making noise - leave at 0456

0637 - Truck Pulls off I81, in front of Meter. - 4 guys get out to pick up garbage, not very noisy

0646 - car Horn, 0649 neighbor comes outside to leave, 0733 car horn

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 0-3 mph DIRECTION: SE
TEMPERATURE: 61° F
HUMIDITY: 44% RH

Model signal east of receptor @ Burnett & N. Beach.
North link of int. not discernable, due to houses. S. link is. E & W are too.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 5
Residences North of Burnet Ave
824 Burnet Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
8:56	—	begin
8:57	?	siren (quick) on 68 we
9:14	70	guy pushing shoping cart w/ cans walking
		NB, N. Beach turning counts approximately
		> 1/3 turned east, < 1/3 went North,
		& < 1/3 turned west.

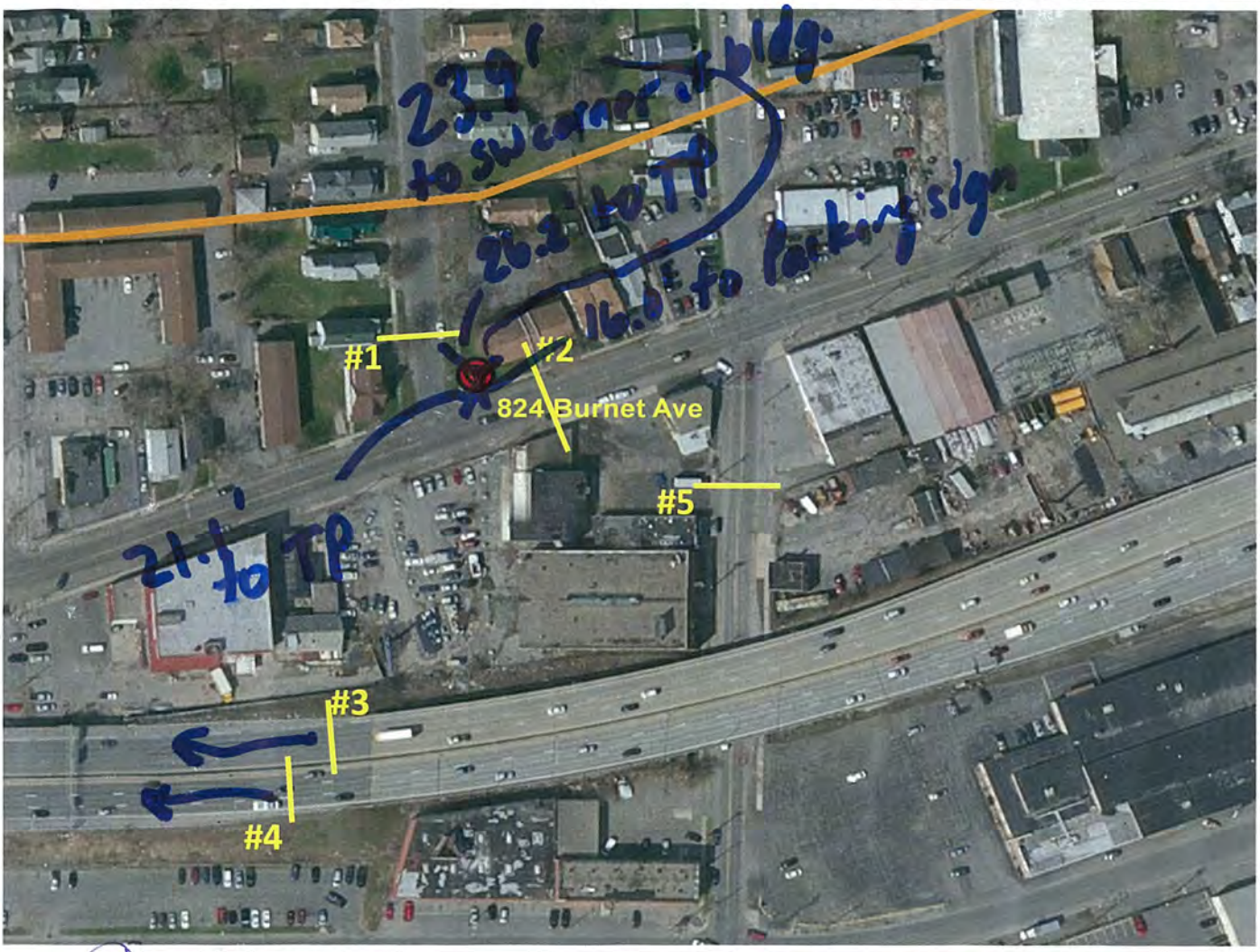
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	67.2	66.9	66.7	66.60	66.5
Start Time	Minimum Recording Time			Extended Time	
08:56	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				
Requirements					

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



Speeds
Burnet - 25-35 (AVG 30)
Mather - 20-25 (AVG=25)
N. Beach - 25-35, (AVG 30)
I-81 - ~~> than 55~~ (60-65)

RECEPTOR I.D. 5
Residences North of Burnet Ave
824 Burnet Ave

Notes: Need to model bldgs. See photos. Partially block 690 & the noise. Also reflects.

DO speeds for all. MH count Mather when DO speeds elsewhere

		Function	Street	Person Name
~~Person #1:~~		Meter, Speeds, Cnt ✓	Mather	DO, D1-0803, Count 018, ←
Person #2:		Traffic Count ✓	Burnet EB	NK, D1-0363, Count 019, ↓
Person #3:		Traffic Count ✓	I-690 ~~WB~~ EB - visible at Lodi	overpass NW corner, climb up.
Person #4:		Traffic Count ✓	I-690 ~~EB~~ WB - same KO;	JKK ipad, ↓
Person #5:		Traffic Count ✓	N. Beach - CONFIRM NEED	Yes. SM, ~~D1-1~~ T-1958, Count 2, →
Person #6:				

#3, 1690 ~~WB~~ EB - MG, D1-0364, Count 019, ↓

at

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 3-5 mph. DIRECTION: N
TEMPERATURE: 74° F
HUMIDITY: 25 % RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
18:36	-	begin
1839	~60 dB	plane
		- Intermittent throughout, people walking & jogging by on bike lane.
		→ on SW corner of #3
18:41	74	Bus stop: airbrake & beeping
18:47	58	plane.
18:49		Driveway car arrive. moving stuff inside. small amount of noise, some talking - should be inconsequential
19:00		muffler-less car & loud truck
19:01		finish

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 6
Apartments and Church along University Ave 3
507 University Ave

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	60.6	59.7	59.3	59.0	59.6
Start Time 18:36	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 6
Apartments & Church along University Ave 3
507 University Ave

Notes: NB University → EB Harrison would not get counted if truck-audible cars not. should we do an intersection count? YES

see sheets

	Function DO	Street	Person Name
MH Person #1:	Meter, Speeds, Cnt	Driveway	
MG Person #2:	Traffic Count MG	~~University Ave~~ Univ/Harrison turning count, DI-0364, Count 017, ↑	
SM Person #3:	Traffic Count SM	~~Harrison~~ Univ/Madison turning count, DI-0363, Count 016, ↑	
Person #4:	Traffic Count DO	~~Madison~~ not as audible as Harrison, but observed, so count.	
Person #5:	Speeds (see sheets)		
Person #6:			

WATTS ARCHITECTURE & ENGINEERING, P.C.

INTERSECTION OF: University Ave AND: Harrison

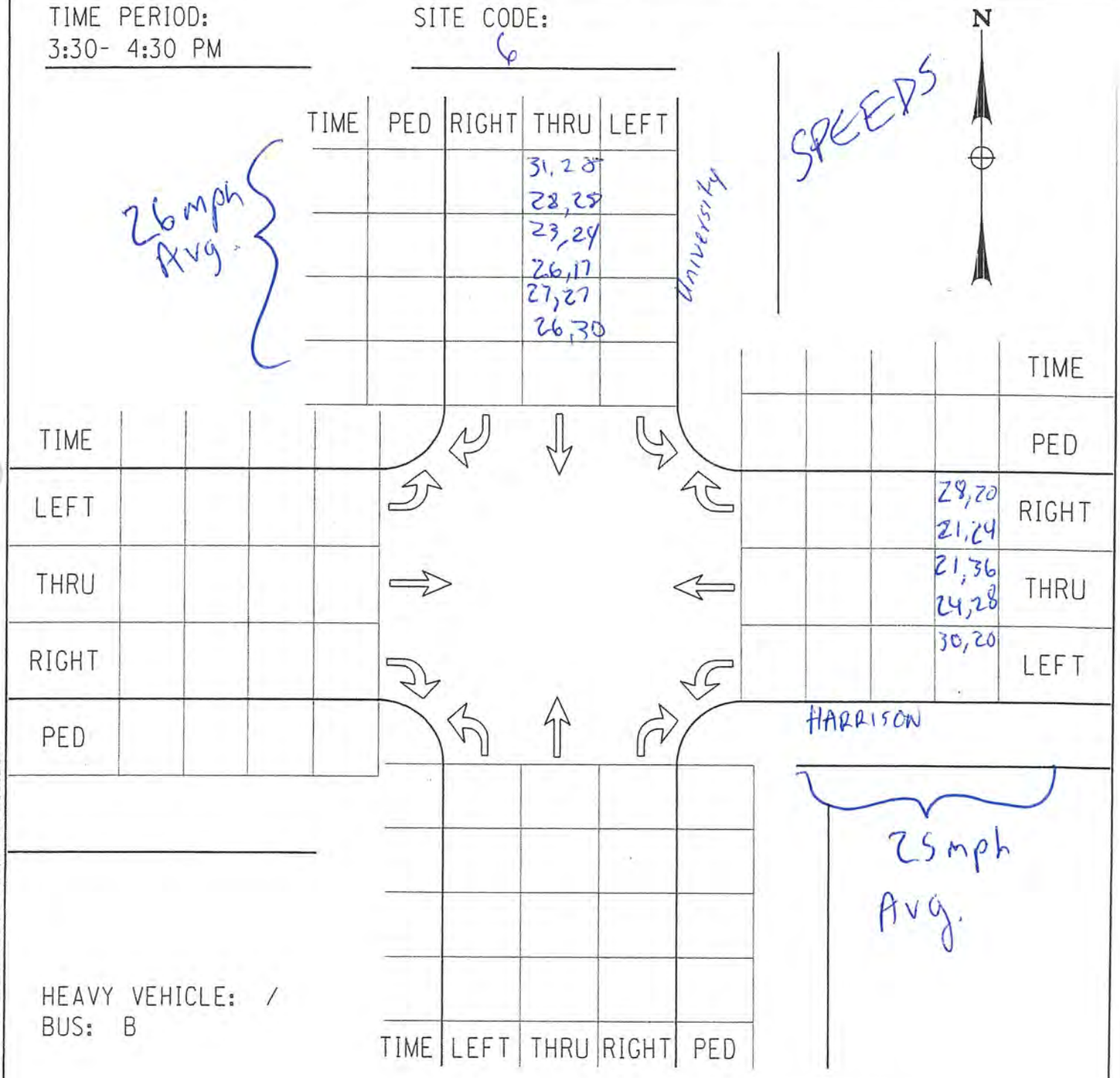
CITY: Syracuse DAY: W OBSERVER: _____

STATE: NY DATE: 5/11/16 WEATHER: Sunny clear 74°

INTERSECTION COUNT SUMMARY

TIME PERIOD: 3:30- 4:30 PM

SITE CODE: 6



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WATTS ARCHITECTURE & ENGINEERING, P.C.

INTERSECTION OF: University Ave AND: Madison Ave

CITY: SYRACUSE DAY: W OBSERVER: D. OSBORNE

STATE: NY DATE: 5/11/16 WEATHER: SUNNY Clear, 74°

INTERSECTION COUNT SUMMARY

TIME PERIOD: 3:30- 4:30 PM

SITE CODE: 6

SPEEDS



TIME	PED	RIGHT	THRU	LEFT
			24, 26	~~28~~
			28, 26	
			~~33, 22~~	
			25, 23	
			24, 27	
			20, 24	

Avg. 25 mph

University

TIME
PED
RIGHT
THRU
LEFT

27, 23
28 ~~78~~
20 23
35

TIME
LEFT
THRU
RIGHT
PED

Madison

26 mph Avg.

TIME	LEFT	THRU	RIGHT	PED

HEAVY VEHICLE: /

BUS: B

COUNTER # _____

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Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, SM, KD, NK

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 0-1 mph DIRECTION: SE
TEMPERATURE: 54° F
HUMIDITY: 50% RH

Model all E. Adams signals (1) E & (2) W of NR.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 7
Apartment Complex Area 1
507 E Adams St

RUN TIME	NOISE LEVEL dBA	COMMENTS
07:59:40	–	begin
08:14:40	–	end

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	64.7	64.8	64.8		
Start Time 07:59:40	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



Speeds
- Adam - 30-35
- McBride - 18-27 (25)
- Townsend - 20-30
Dablon Ct - 25
81 - 60-65

RECEPTOR I.D. 7
Apartment Complex Area 1
507 E Adams St

Notes:

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Dablon Ct	2 cars throughout, could not hear. 018 (Turned off after 5)
Person #2:	Traffic Count	E. Adams	NK, D1-0363, count 017, ↑
~~Person #3:~~	~~Traffic Count~~	S. McBride	#1 can count (if no speeds) DO, D1-0807, count 017
Person #4:	Traffic Count	I-81 SB*	MG, D1-0364, count 018 ←
Person #5:	Traffic Count	I-81 NB*	KO, JKK iP, timed ←
~~Person #6:~~	~~Traffic Count~~ ~~not feasible~~	S Townsend - CONFIRM NEED	acceleration from intersection (NB's)

* Count I-81 from Top of Parking Garage "Upstate Medical University Garage West"

Yes. Park @ N.R. & walk. I-81 visible from glass walled stairs facing W.

SM, T1958, Count 001, →

No NB buses on S. McBride

S. McBride → DO Accidently counted all cars as NB Actually 2 buses was SB. during intervals 1 & 2.

1 - Did not miss any cars. 017 only 1 interval, 018 = 2 intervals.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York

JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 0 DIRECTION: calm
TEMPERATURE: 47°F
HUMIDITY: 56% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
7:49		begin
~7:52		neighbor starts loude truck & idles till 11/16
-		end, Highway is much louder.
804		end
		see MH traffic
		counter photo
		for buttons.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 8
Leon St/Oakwood Ave Area Residences
267 Leon St

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	69.9	69.9	69.9		
Start Time 07:49	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 8
Leon St/Oakwood Ave Area Residences
267 Leon St

Notes:

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Leon St Speeds range 25-35. Avg= 30	MH, DI-0363, Count 008 ↑
Person #2:	Traffic Count	I-81 SB DO drove at 07:00 Avg= 65	DO DI-0808, Count 009, ←
Person #3:	Traffic Count	I-81 NB MH drove @ 09:15. Avg= 60	MG, DI-~~0365~~ 0364, Count 009 ←
Person #4:	Intersection Count	E. Kennedy/Oakwood → could not hear any traffic	
Person #5:			
Person #6:			

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA 00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 0-1 mph DIRECTION: SE
TEMPERATURE: 62° F
HUMIDITY: 32% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
10:47		begin
11:02	~65 w/ backup alarm at E.	Septic Truck enters from Rock Cut Rd (NB) to trailer court. Acc brakes & engine brake load driving up Cliffside. Backup alarm when going to Trailer to E.
11:08	upper 70's	utility co. truck NB on Rock Cut similar to other noise levels for tru
11:10	70-75	Septic truck leavin squeel & air brakes leaving down Cliffside. Departs SB.
11:12		end.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 9
Cliffside Trailer Park
6120 Rock Cut Rd

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	65.1	64.6	65.2	65.5	65.5
Start Time 10:47	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 9
Cliffside Trailer Park
6120 Rock Cut Rd

Notes: Rock Cut Rd. notably loud due to elevation & proximity.

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA trailer park Rd	MH, paper counts
Person #2:	Traffic Count	Rock Cut Road	DO, DI-0803, count 011 ↑
Person #3:	Traffic Count	Cliffside Park	Turning counts → & paper.
Person #4:	Traffic Count	I-481 NB*	SM, DI-0363, count 010 ↑
Person #5:	Traffic Count	I-481 SB*	MG, DI-0364, count 011 ↑
~~Person #6:~~			

* View may require ped access via bridge to east or higher elevation via dirt roads to east.

Speeds @ I-481 NB & SB appear normal. 65-75, Avg = 70.
Speeds @ Rock Cut Rd. Radar gun. Range 35-69, Avg = 52,
Speeds @ Cliffside = 5-10 mph. model elevation.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 6 ~~10~~ mph DIRECTION: ~~ENE~~ NE
TEMPERATURE: ~~67°F~~ 71°F
HUMIDITY: ~~27%~~ RH 25% RH

* 1st Run was outside of acceptable times.

	RUN TIME	NOISE LEVEL dBA	COMMENTS
*	11:57	-	begin
	12:12	-	end
	13:39	-	begin
	14:04		end

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 10
Heritage Landing Drive Apartments
5860 Heritage Landing Dr

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	~~66.1~~ 65.4	~~65.2~~ 65.2	~~65.0~~ 64.9	64.8	65.1
Start Time ~~11:57~~ 13:39	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



Speeds
#1 5-10 mph
#2 - 45 mph
#3 - 65-70 mph
#4 -

RECEPTOR I.D. 10
Heritage Landing Drive Apartments
5860 Heritage Landing Dr

Notes: move receptor to S. building, in line w/ Apt. door (& 5th of 6th parking) & in line w/ telephone poles spot ? or to S a little bit near parking corner ?

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Heritage Landing Drive	MH, paper cnt.
Person #2:	Traffic Count	Butternut Dr	DD, DI-0803, Count 013 ~~012~~ ←
Person #3:	Traffic Count	I-481 NB*	SM, DI-0363, count 012 ~~011~~, ←
Person #4:	Traffic Count	I-481 SB*	MG, DI-0364, Count 013 ~~012~~, ←
Person #5:	481 significant amounts of traffic	- motorcycles & trucks very discernable. Individual cars not discernable when NB 481 is loaded. when no NB, SB cars SB always seems to add to the overall levels though	
Person #6:			

* Visual access to I-481 may require standing closer to Town Hall driveway to the south.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA 00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 0-2 mph DIRECTION: ESE
TEMPERATURE: 56°F
HUMIDITY: 47% RH

LOCATION DIAGRAM



Notes:

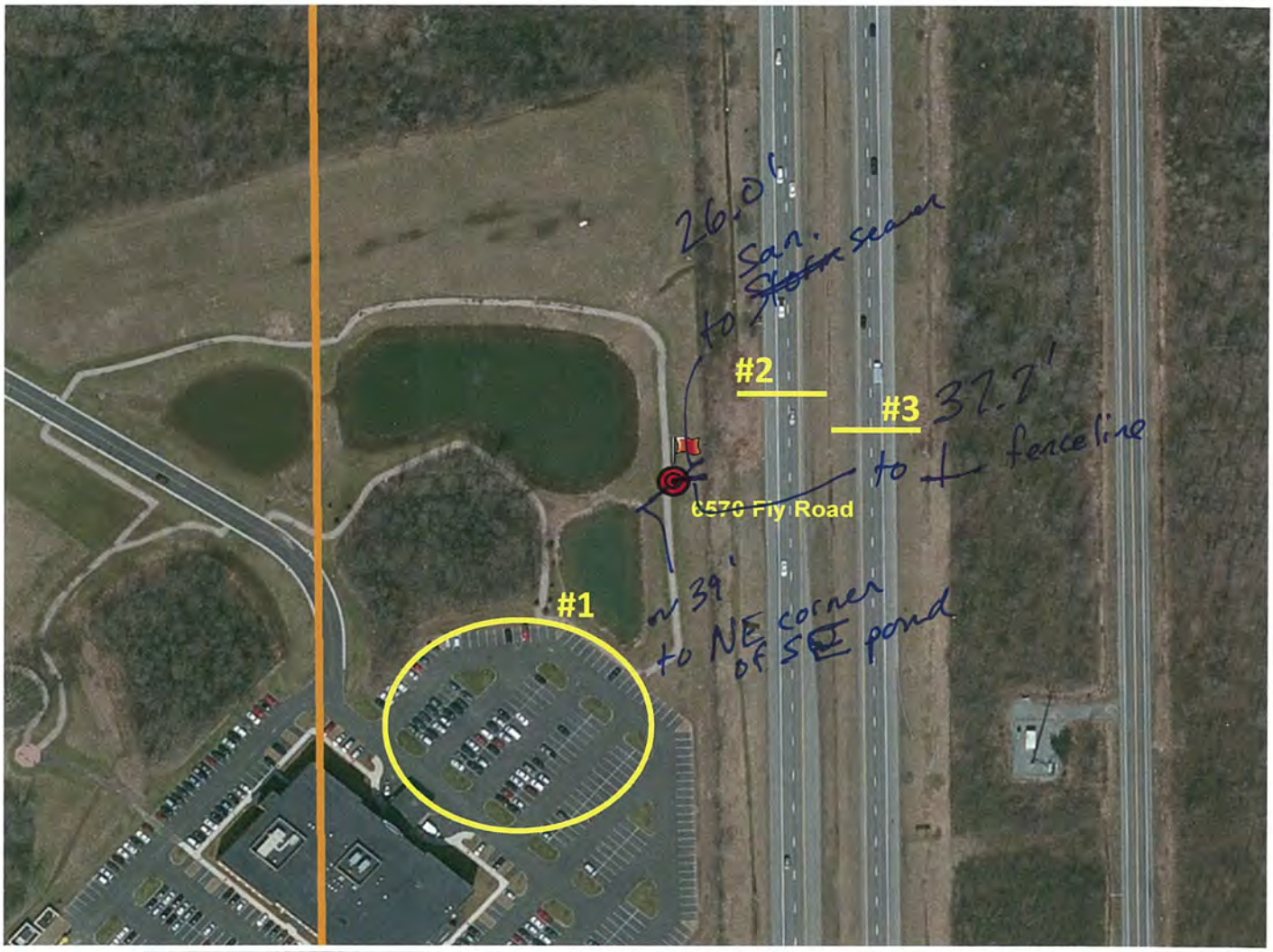
RECEPTOR I.D. 11
Upstate Orthopedics
6570 Fly Road

RUN TIME	NOISE LEVEL dBA	COMMENTS
08:41	-	begin
08:46	~69	plane
09:06		end.

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	72.0	72.2	72.1	71.7	71.5
Start Time 08:41	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 11
Upstate Orthopedics
6570 Fly Road

Notes:
I-81 speed appear normal. 60-70 mph.

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	General Parking Lot Activity*	MH, DI-0803, Count 009, →
Person #2:	Traffic Count	~~I-81 SB~~ I-481 SB	MG, DI-0364, Count 010, →
Person #3:	Traffic Count	~~I-81 NB~~ I-481 NB	DO, DI-0803, Count 16 →
Person #4:	Traffic Count	0-5 = none discernable due to I-81 noise.	
Person #5:	Traffic Count	5-10 = same	
Person #6:	Traffic Count	10-15 = same 15-20 = same	20-25 = observe truck but could not hear, same

* General percent of spots taken and turnover notes.

- Path is no longer present, Only greenspace observed. Discuss receptor Location.
- Discuss and keep in same Loc.

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 5/2/16 — PROJECT NAME: I-81 Viaduct Project (D031085)

JOB NO: 13092 — LOCATION: Syracuse, New York

PIN NO: 3501.60 — PERSONNEL: DUSTIN OSBORNE, SCOTT MATHEWS, MATT HOLQUIST

INSTRUMENT: Casella CEL 633 — SN: FA00337 — WEIGHTING: A

CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA

START (DATE/TIME): 10:00 PM 5/2/16

END (DATE/TIME): 10:00 PM 5/3/16

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 11
Upstate Orthopedics
6570 Fly Road

RUN TIME	NOISE LEVEL dBA	TEMP	WIND	RH	COMMENTS
0 2200	63.3	47	1 NNW	89	Times of planes flying to written on back. Truck
1 2300	62.5	47	0-2 WNW	89	
2 0000	60.0	46	0-1 NNE	89	Spike in traffic starting
3 0100	60.4	46	0 NNE	92	at 0400. Birds calling
4 0200	61.4	45	0 NNE	93	(Robins) → starting around
5 0300	60.5	43	0 NNE	93	0445. 0500 → dense fog
6 0400	63.2	43	0-1 NNE	96	0600 Fog so dense, moisture covering
7 0500	65.1	42	1-2 N	96	everything - microphone, & heavy
8 0600	70.1	41	1-2 W	96	in air.
9 0700	72.1	42	0-1 NE	96	0830 Siren 481 SB
10 0800	71.2	42	1-2 WNW	96	0904/0405 siren 481 NB
11 0900	65.9	43	0 W	100	0900-0935 Broken truck 481 SB on shoulder - Emergency Vehicle Response - Traffic slow (2 sirens)
12 1000	68.3	47	calm	90	0915 Traffic very slow (10-20 mph)
13 1100	72.1	49	1 W	80	0940 Speed getting back up to normal
14 1200	69.1	51	1 WSW	74	Fog lifted between 8 and 9
15 1300	68.5	56	2 ESE	64	1118 lawn mowing begins (see back for details)
16 1400	69.4	55	2 NNE	64	1134 lawn mowing in area ends
17 1500	69.2	56	2-3 S	62	1652 - plane flies directly overhead, minimal noise
18 1600	69.7	58	2-5 SE	60	Planes @ 1752 & 1754 fly overhead (1752 plane → very loud)
19 1700	69.4	60	1-2 ESE	55	2024 Geese take flight right by microphone.
20 1800	68.9	59	1-2 N	55	2142 traffic really dies.
21 1900	67.0	57	0-1 E	57	
22 2000	66.6	56	0 - E	62	
23 2100	65.4	54	3-5 NNE	69	
24 2200	—	53	1-2 NNE	71	

Additional Comments:

1119 Doin first Pass

1120 200 ft. away

1121 At microphone going north - twin arm

1121 At ~~takes~~ mic going south

Takes 18 seconds to go 200' from back to front

1124 Pass peaked @ 90.6

1125-1128 Now just doing north of mic. turning at 15' away peaking about ~~at~~ 81

At 100' away sound blends ~~[illegible]~~ in w/ traffic

1128 - Now on back side of pond at about 73 (peak)

1129 - (2) 2nd lawn mower coming w/in 10' to south peak at 862

1131 - Passes at about 85 each

1132-1133 Final clean up/multiple passes/continuous peaked at about 81

1134 - Lawn mowers gone

PLANES

2226
2303
2311
2312
2342
2357
0135
17:52-17:54
1800
1820
1821
1845
1941
2005
2046
2107

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 5/4/16 | PROJECT NAME: I-81 Viaduct Project (D031085)

JOB NO: 13092 | LOCATION: Syracuse, New York

PIN NO: 3501.60 | PERSONNEL: DUSTIN OSBORNE / MATT HOLQUIST

INSTRUMENT: Casella Cel 633 | SN: FA 00337 | WEIGHTING: A

CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA

START (DATE/TIME): 5/4/16 0500

END (DATE/TIME): 5/4/16 1200

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 11
Upstate Orthopedics
6570 Fly Road

RUN TIME	NOISE LEVEL dBA	TEMP	WIND	RH	COMMENTS
0 0500	67.8	48	ONNE	89	less moisture, humidity & Fog at 0500, than yesterday.
1 0600	72.8	47	ONNE	89	
2 0700	74.2	48	ONNE	89	0536 → Morning songbirds making an awful lot of chatter.
3 0800	73.4	51	0-1 E	89	
4 0900	71.2	55	1-2 SE	83	Raising Las 3-5 intervals
5 1000	70.4	58	3-5 ENE	58	0545 → 5 sea gulls making noise directly over microphone.
6 1100	70.3	58	0-4 ENE	69	
7 1200	—	59	2 NNE	75	0613 - siren - distant but loud.
8					0652 - 5 geese fly into pond, right over microphone, Honking - loud.
9					
10					0722 → 4 geese - Honking, then take flight
11					0731 → car horn → parking lot
12					0735 → MR1 - van - pulled over southbound → 450' south of microphone.
13					0744 → door lock → car horn
14					0807 → 2 geese fly in honking
15					0823 → 2 geese - Honking
16					0926 → double car horn
17					1039 → Double Car Horn → South bound 481 (My girlfriend)
18					1105 - very light precipitation - no impact on roads yet.
19					
20					
21					
22					
23					
24					

Additional Comments: Planes: 0547, 0607 → very loud, 0615, 0617, 0624, 0626, 0634, 0719, 0741, 0751, 0823, 0829, 0952, 1112, 11:45, 11:52, 11:56

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N:
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 0-1 DIRECTION: N
TEMPERATURE: 54° F
HUMIDITY: 41% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
10:08		Begin
10:33		Finish

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 12
Noise Wall No 481I333N3 - B
Kenlaren Cir

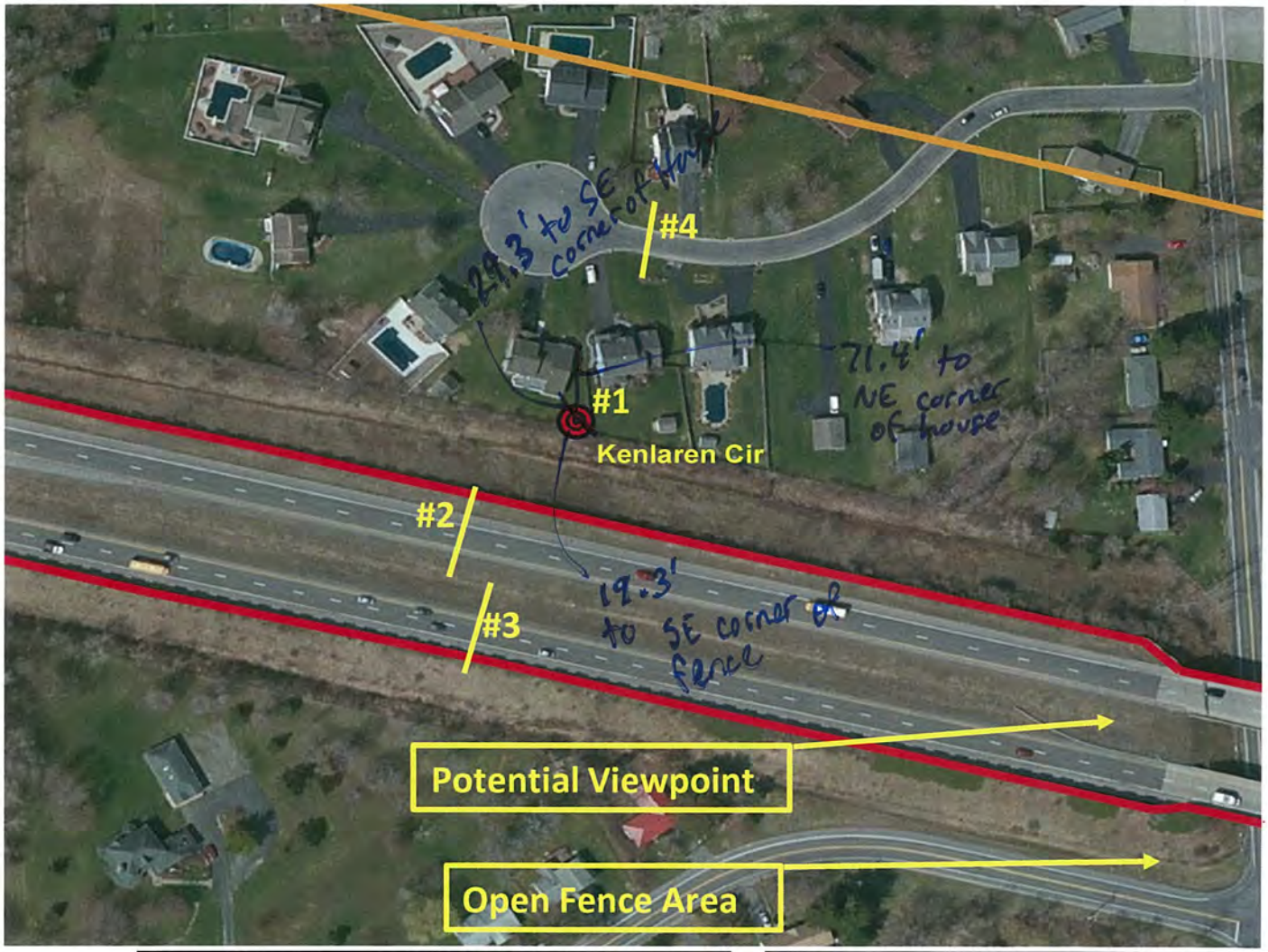
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	57.0	56.4	55.9	55.5	55.4
Start Time 10:08	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 12
Noise Wall No 481I333N3 - B
Kenlaren Cir

Notes:

	Function		Street	Person Name
Person #1:	Meter, Speeds		NA	
Person #2:	Traffic Count	001	I-481 NB*	Dustin Osborne DI-0803
Person #3:	Traffic Count	001	I-481 SB*	Mike Gerber DI-0364
Person #4:	Traffic Count	001	Kenlaren Cir - CONFIRM NEED	Scott Matthews DI-0363
Person #5:				
Person #6:				

* I-481 counters can view traffic from embankment between bridges on Totman Rd.

Provide letter & my business card to resident (wife) who would like to talk to her husband prior to authorizing access. He is to contact me via my cell phone.

I-81 Viaduct Project (D031085)
PIN No. 3501.60
Syracuse, New York New York

I-481 Speeds avg'd 70. consistent in both directions - ranged 51-87.

Noise Analysis Speeds Worksheet
(Fill in shaded areas only)

Site:

Kenlaren, no traffic.

Time 1 Distance ====> feet Time 2 Distance ====> feet

Count #	am (sec)	MPH	KPH		pm (sec)	MPH	KPH
1	1	0.00	0.00		1	0.00	0.00
2	1	0.00	0.00		1	0.00	0.00
3	1	0.00	0.00		1	0.00	0.00
4	1	0.00	0.00		1	0.00	0.00
5	1	0.00	0.00		1	0.00	0.00
6	1	0.00	0.00		1	0.00	0.00
7	1	0.00	0.00		1	0.00	0.00
8	1	0.00	0.00		1	0.00	0.00
9	1	0.00	0.00		1	0.00	0.00
10	1	0.00	0.00		1	0.00	0.00
11	1	0.00	0.00		1	0.00	0.00
12	1	0.00	0.00		1	0.00	0.00
13	1	0.00	0.00		1	0.00	0.00
14	1	0.00	0.00		1	0.00	0.00
15	1	0.00	0.00		1	0.00	0.00
16	1	0.00	0.00		1	0.00	0.00
17	1	0.00	0.00		1	0.00	0.00
18	1	0.00	0.00		1	0.00	0.00
19	1	0.00	0.00		1	0.00	0.00
20	1	0.00	0.00		1	0.00	0.00
Averages =>	1	0.00	0.00		1	0.00	0.00

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 1-6 mph DIRECTION: NNE
TEMPERATURE: 74° F
HUMIDITY: 21% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
17~~58~~:28		begin
		I-81 is very loud. Many trucks & Motorcycles.
		Dog at end of Harold barking occasionally, but insignificant compared to I-81.
17:53		end
No activity on Harold Place.		

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 13
Harold Place Area Residences
5801 Harold Pl

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	70.4	70.7	70.8	70.6	70.7
Start Time 17:28	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



Speeds
#1 - Ø activity
#2 - 5
#3 - 5 appear normal 70 mph
~~#4 - 8~~
#4 45-50 radar

RECEPTOR I.D. 13
Harold Place Area Residences
5801 Harold Pl

Notes: move east due to swamp.

	Function		Street	Person Name
Person #1:	Meter, Speeds, Cnt	✓	Harold Place → MH, D1-0364, count 016, ← MH - observations on sheet. Ø activity.	
Person #2:	Traffic Count	✓	I-81 NB* } can observe from end of Harold.	
Person #3:	Traffic Count	✓	I-81 SB* } SM, D1-0363, count 015, ← (★)	
Person #4:	Traffic Count	✓	S. Bay Rd - CONFIRM NEED	Could only hear trucks with
Person #5:			→ DO, D1-0803, Count 016, ←	I-81 Noise.
Person #6:				

* Counting for I-81 may be easier from S. Bay Rd Bridge, south of the site.

(★) SM count → ~~B~~ should be Ø buses. Erase B.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 4 mph DIRECTION: N
TEMPERATURE: 60° F
HUMIDITY: 29% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
13:08		Begin
		significant truck traffic
		both NB & SB.
13:33		end.
		No traffic on Michael.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 14
Residences East of I-81
128 Michael Ave

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	70.0	70.1	69.9	70.0	70.0
Start Time 13:08	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 14
Residences East of I-81
128 Michael Ave

Notes: Counters arrow points E.
SB81 elevation lower than NB81.

	Function	Street	Person Name
Person #1:	Meter, Speeds* 003	NA Michael	MH DI-0363
Person #2:	Traffic Count 003	I-81 NB	DO DI-0803
Person #3:	Traffic Count 003	I-81 SB	MG DI-0364
Person #4:	~~Traffic Count~~	~~Michael Ave - CONFIRM NEED~~	#1 can count any (likely Ø)
Person #5:			loud buses, motorcycles, or trucks.
Person #6:			cars inconsequential.

* Confirm with property owner or measure from DOT side of ROW fence.

I-81 speeds appear consistent w/ other observations @~70 mph.

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 4/27→4/28/16 PROJECT NAME: I-81 Viaduct Project (D031085)
JOB NO: 13092 LOCATION: Syracuse, New York
PIN NO: 3501.60 PERSONNEL: JS, MH, MM
INSTRUMENT: Casella CEL 633 SN: FA02070 WEIGHTING: A
CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA
START (DATE/TIME): 4/27/16 @20:00
END (DATE/TIME): 4/28/16 @20:00

RUN TIME	NOISE LEVEL dBA	°F TEMP	MPH WIND	% RH	COMMENTS
0 20:00	57.5	45	7NW	30	
1 21:00	56.4	42	5NW	37	
2 22:00	57.9	40	6W	42	
3 23:00	55.1	39	Calm	43	
4 00:00	52.3	40	4WNW	46	
5 01:00	51.6	38	~~3W~~	52	Wind speed 3 WSW
6 02:00	50.9	36	3WSW	62	Wind speed 3 WSW
7 03:00	51.6	34	Calm	70	
8 04:00	54.4	34	Calm	70	0430 Birds begin to start
9 05:00	58.8	32	3 SW	72	chirping at this time
10 06:00	62.3	31	Calm	76	1000 - Small Aircraft
11 07:00	62.3	33	Calm	73	flew over Location
12 08:00	64.1	36	3 N	65	
13 09:00	66.6	42	2 N	59	
14 10:00	61.1	45	E-5	48	
15 11:00	61.3	48	NNW	32	
16 12:00	60.9	50	3 NW	32/30	
17 13:00	65.4	52	NNW	30	
18 14:00	63.2	52	N 2	29	
19 15:00	63.6	54	WNW 5	25	
20 16:00	63.9	58	N 5	26	
21 17:00	61.7	52	NNW	25	
22 18:00	60.3	50	NW 14	36	
23 19:00	65.6	48	NNW 5	41	
24 20:00	—	46	7NW	46	

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 14
Residences East of I-81
128 Michael Ave

Additional Comments:

30
23
26
19
25

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 4mph ~~3 mph~~ DIRECTION: ~~W~~ W
TEMPERATURE: ~~66°F~~ 65°F
HUMIDITY: ~~20% RH~~ 27% RH

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 15
Noise Wall No 81I333S2
210 Dexter Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
15:33	-	begin
15:49		Run aborted
		I-81 NB traffic severely slowing. In addition, tree cutting service truck turning around w/ back up alarm.
18:03	-	begin
18:08	-	car pulls in rec. driver
18:10	61.2	trunk slam
18:24	64	plane
18:28		end.

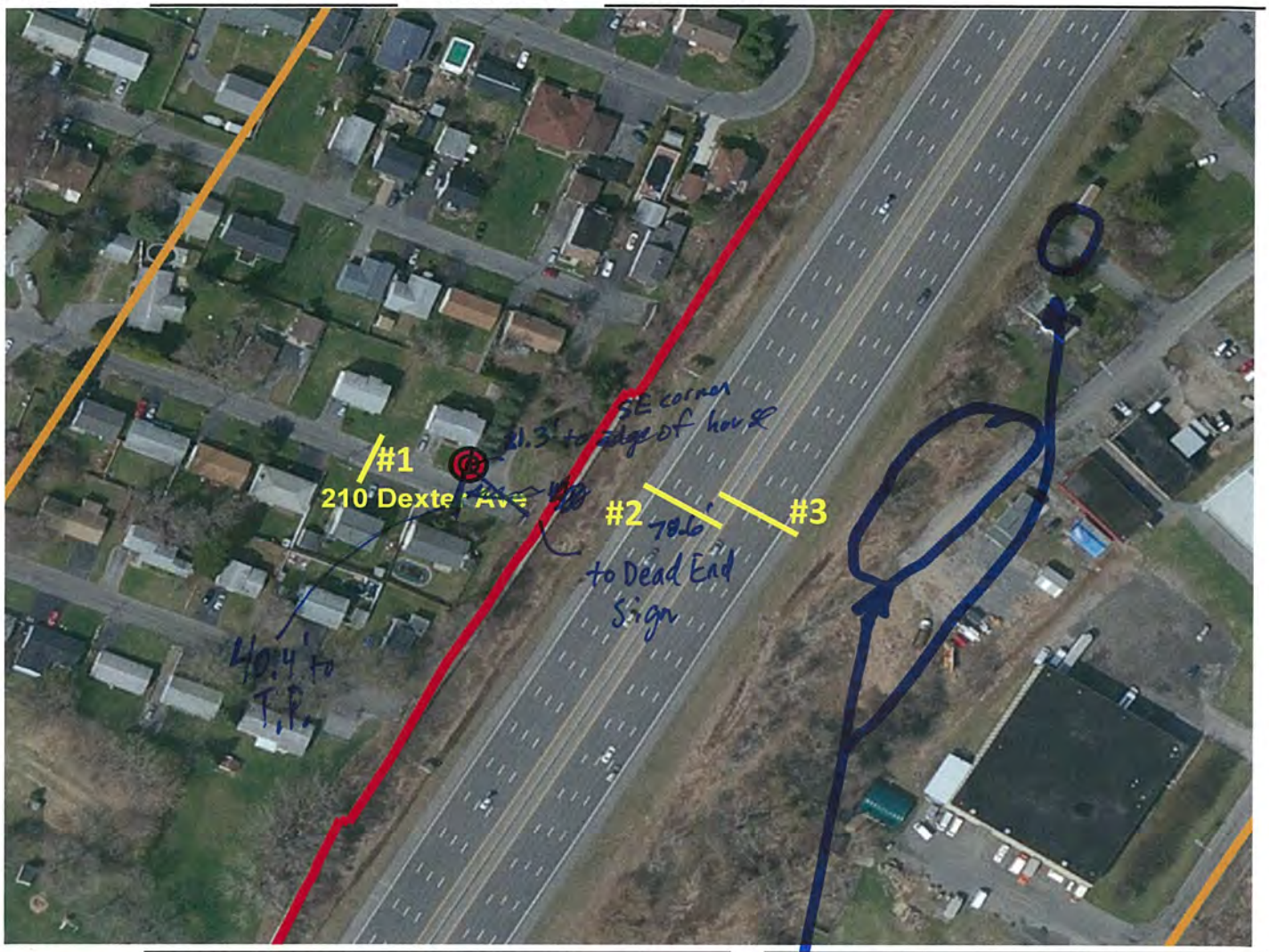
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	~~56.5~~ 57.1	~~56.8~~ 57.2	57.1	56.9	57.0
Start Time ~~15:33~~ 18:03	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/10/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 15
Noise Wall No 81I333S2
210 Dexter Ave

Notes: 18:00 run - traveled NB 81 enroute to site, speeds were 60 mph.

	Function		Street	Person Name (counter facing)
Person #1:	Meter, Speeds, Cnt	√	Dexter Ave	MH - DI-0363, Count 0056 ↑
Person #2:	Traffic Count	√	I-81 SB* ~~South step stool to sit~~	on for vantage for Western most lanes.
Person #3:	Traffic Count	√	I-81 NB*	MG DI-0364, Count 0057 ↑
Person #4:			→ I-81 SB	DO - DI-0803, Count 0057, ↑
Person #5:				
Person #6:				

* I-81 may potentially be viewed from ends of Luther or Kearney Ave.

Abort Run: I-81 NB traffic slowed & stopped. Try again @ 18:00.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 6 mph DIRECTION: SE
TEMPERATURE: 84° F
HUMIDITY: 31% RH

Model all Z.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 16
Residences Along Sunset Ave
406 Sunset Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
12:02	–	begin (after car alarm fals ~~start~~)
12:27	–	end.
NB ramp	noise was slightly audible wh	
buses or	loud trucks were accelerati	
1st Int.	a few buses	
2nd	a few buses, 2 loud cars	
3rd	no significant noise	
4th	no significant noise	
5th	1 light truck, slight noise	

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	65.1	64.4	64.0	63.8	63.6
Start Time 12:02	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

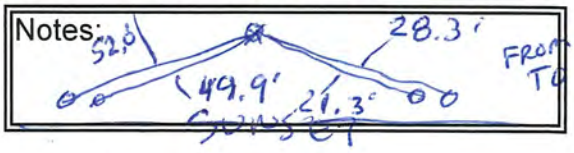
JOB NO: 13092 PIN NO: 3501.60



D.O. Speeds see sheet

RECEPTOR I.D. 16
Residences Along Sunset Ave
406 Sunset Ave

Notes:



	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Turtle St ↔ Sunset - SB RAMP	MH, D1-0807, Count 020, Turning Co. ↑
Person #2:	Traffic Count	~~Sunset Ave~~	SM, T-1958, Count 003 ↓
Person #3:	Traffic Count	I-81 NB*	MG, D1-0364, Count 021, ↓
Person #4:	Traffic Count	I-81 SB*	KO, JK iPad ↓
Person #5:	Traffic Count	Bear Street	NK, D1-0363, Count 021, ←
Person #6:	if available could do SUNSET ↔		

* I-81 traffic may be viewed from the Bear St. Bridge. or across sunset near receptor

2 is important. Factor for SB Ramp. NB ramp is shielded.

Site Code:
16

Sunset: Range 25-35 Avg. 30 mph

Turtle: Range 20-25 Avg. 23 mph
24

Bear: Range 20-30 Avg. 27 mph.

I 81: Range 55-65 Avg. 62 mph - N. Bound

Range 50-60 Avg. 55 mph - S. Bound

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA 00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 0-3 mph DIRECTION: NE
TEMPERATURE: 76°F
HUMIDITY: 14% RH

The city has background noise that may be difficult to model; ~57 dB with no traffic.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 17
Hanley Federal Building Greenspace
119 S Clinton St

RUN TIME	NOISE LEVEL dBA	COMMENTS
~~14~~:59:55	=	begin
15:01	65+	const. noise / back up alarm
15:07		same JLG w/ backup alarm
15:10	up to 69	construction pounding
	(57 without)	hammering. consistent till 15:11.
15:12	61	Const. start motor.
	(57 without)	runs until 15:15.
15:21	↑ to ~65	Const. hammering again
		Not as consistent HG.
15:23	↑ to 70	More consistent
15:24		Stops/slows
15:24:55		end.

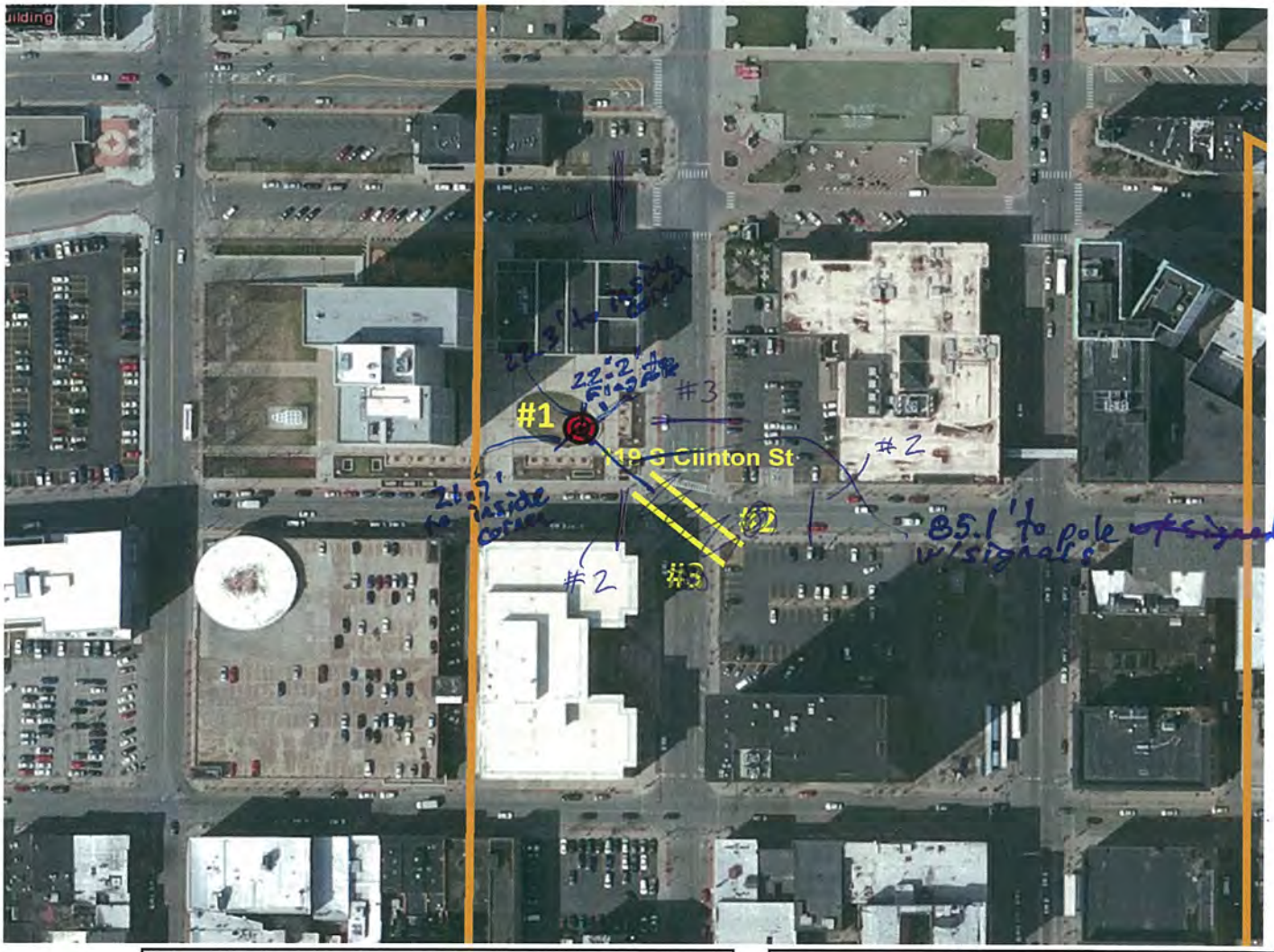
Construction @ NW corner of S. Clinton & Water (immediately N of receptor)

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	61.8	61.3	62.1	61.7	61.7
Start Time 14:59:55	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Speeds – 21-31
Washington (2
Clinton – 20-30
Aug. 24

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 17
Hanley Federal Building Greenspace
119 S Clinton St

Notes: General downtown noise. Some loud traffic at other intersections. N building is

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA	Both ways. → MG, D1-0364, Count 014, ↑ Turning move. & paper
Person #2:	Intersection Count	~~1/2 of S.Clinton~~/W. Washington	~~make observations during 24 hr~~
Person #3:	Intersection Count	1/2 of S.Clinton/~~W. Washington~~	~~to determine 1 or 2 ppl~~
Person #4:	SM Water St.	DO	→ S Clinton, D1-0803, Count 14 ↑
Person #5:		→ SM → D1-0363, Count 013, simple count.	Turning counts & paper
Person #6:			& note construction observation

(315) 448-0603 - GSA (owners of building) Contact to discuss, per security agent!

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 6-11mph DIRECTION: ESE
TEMPERATURE: 88° F
HUMIDITY: 27% RH

Model all buildings, especially W of NR.

LOCATION DIAGRAM



Notes:

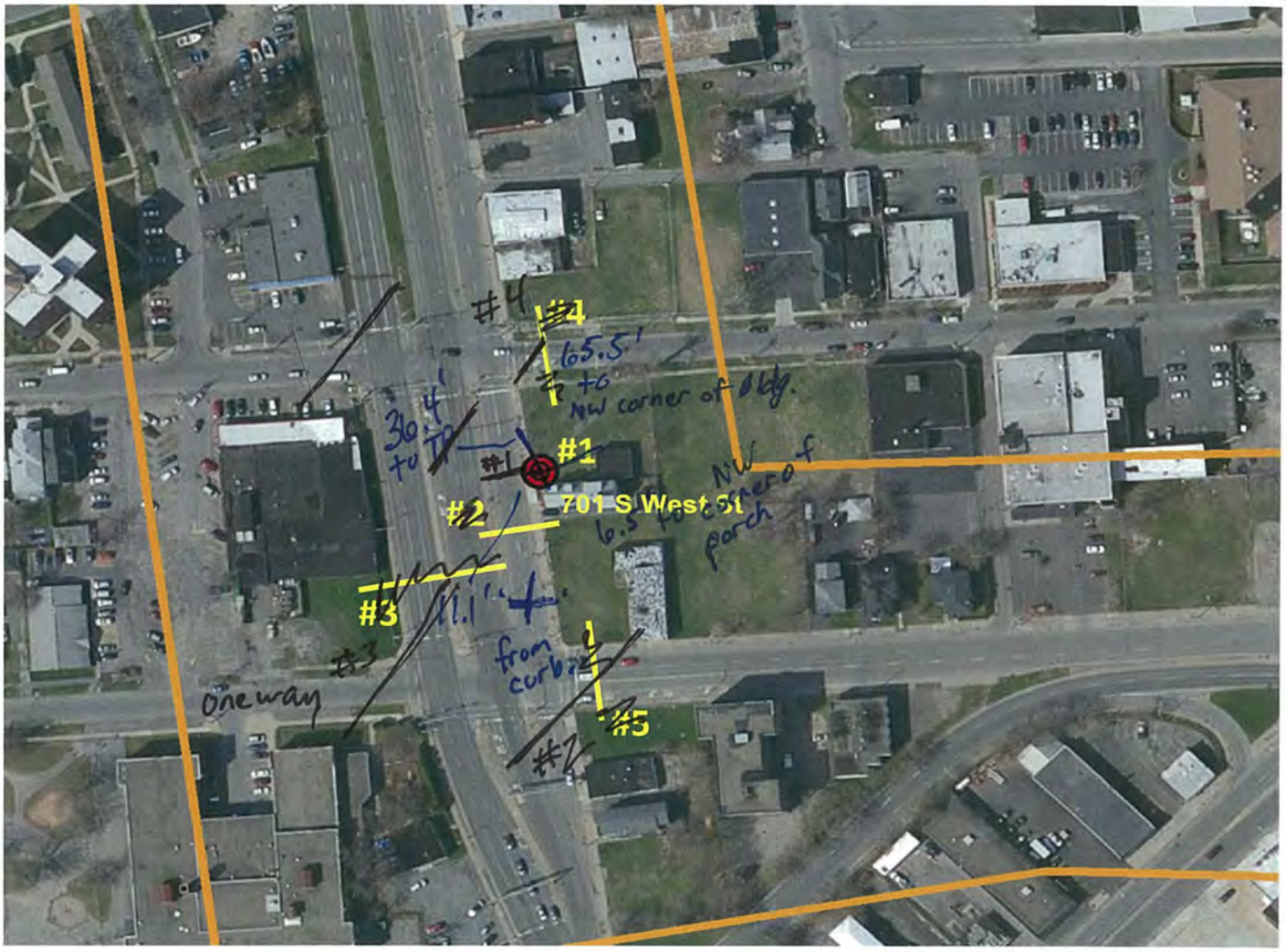
RECEPTOR I.D. 18
Apartment Building at 701 S West St
701 S West St

RUN TIME	NOISE LEVEL dBA	COMMENTS
15:31	-	begin
~6 minutes in		resident asking questions & Relatively quiet by.
15:46		horn
15:49		resident talking again.
15:56		end.
Speeds.		
S. W	NB	30-40 (37)
	SB	20-30 (25)
Crafford	all	30-35 (33)
Seymour	all	30-35 (33)

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	63.8	65.2	65.1	64.9	65.2
Start Time 15:31	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 18
Apartment Building at 701 S West St
701 S West St

Notes: Turning counts for all, except Access Rd (MH)

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA S. West St Access Rd - Regular Type Count, MH, DI-0803, Count 02	
Person #2:	Traffic Count	~~Local~~ S. West St NB & Seymore WB	NK, DI-0363, Count 023, ↑
Person #3:	Traffic Count	~~2-Way~~ S. West St SB	SM, T-1958, Count 005, ↑
Person #4:	Traffic Count	Gifford St WB & S. West St NB	KO, JKK ipad, ↑
Person #5:	Traffic Count	~~Seymour St~~ Gifford EB & S. West St SB	MG, DI-0364, Count 023, ↑
Person #6:	DO-Speed @ all w/	Radar Gun. - see ~~Sheet~~ Noise survey sheet	

May need to model this signal to account for acceleration. (Yes. Model all 3.)

Discuss turning movements of all intersections plus one south of area w/ traffic light backing up & bus/truck acceleration noise. Buses/trucks WB Seymore turning N or S onto S. West St differ in levels. This area is fairly wide open w/ significant bus/truck traffic.

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/10/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
500 Genesee St.
PIN NO: 3501.60
PERSONNEL: MH, MG, DO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 2-10 DIRECTION: NE
TEMPERATURE: 62° F
HUMIDITY: 36% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
19:11		Begin
19:13	70.4	plane
19:18	–	motorcycle on Highway was audible
19:25:50	–	bus brakes coming to light. Not counted
~~19:26~~		
19:26		end.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 19
Outdoor Public Access Area
500 E Genesee St

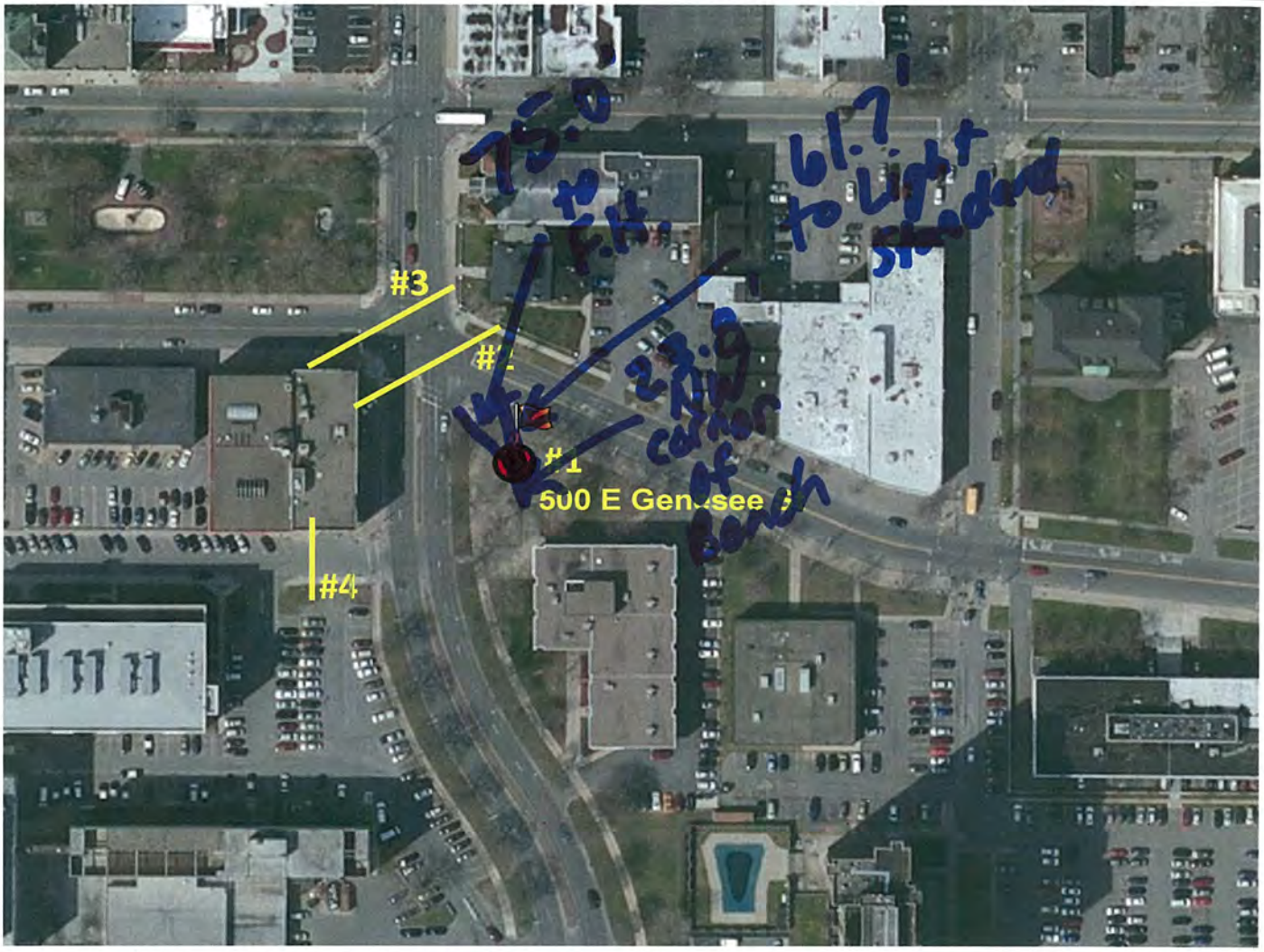
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	59.9	60.7	60.7		
Start Time 19:11	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: _____ PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



RECEPTOR I.D. 19
Outdoor Public Access Area
500 E Genesee St

Notes: Move ~~NB~~ ~~North~~ towards E. Genesee due to tree, 20 South

	Function	Street	Person Name
Person #1:	Meter, Speeds	NA McCarthy Ave	MH, D1-0363, count 7, ↑ 10 mph
Person #2:	Traffic Count	1/2 of E. Genesee/S.Townsend	MG, D1-0364, count 8, ↑ 30 mph
Person #3:	Traffic Count	1/2 of E. Genesee/S.Townsend	DO, D1-0803, count 8, ↑ 30 mph
Person #4:	Traffic Count	~~McCarthy Ave~~ #1	
Person #5:			
Person #6:			

Nancy Moran - Manager @ Bldg. Advise her that we will be starting 24-hr. tonights

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 4/27/16 - 4/28/16 PROJECT NAME: I-81 Viaduct Project (D031085)
JOB NO: 13092 LOCATION: Syracuse, New York
PIN NO: 3501.60 PERSONNEL: DUSTIN OSBORNE, SCOTT MATHEWS, MATT HOLQUIST
INSTRUMENT: CASELLAE CEL 633 SN: ~~CAE053~~ WEIGHTING: A
CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA FA02070
START (DATE/TIME): 2000 4/27/16
END (DATE/TIME): 2000 4/28/16

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 19
Outdoor Public Access Area
500 E Genesee St

RUN TIME	NOISE LEVEL dBA	TEMP	WIND	RH	COMMENTS
0 2000	67.0	48	0 NNE	25	2008 - woman walked right thru set
1 2100	65.9	45	0 NNE	30	↳ (shuffling plastic bag)
2 2200	65.6	43	0 NNE	37	2058 - sirens - marked data (Blue)
3 2300	64.1	40	0 NNE	46	2125 - sirens - marked data (Blue)
4 0000	62.3	38	0 NNE	52	2219 - 2 skateboarders roll thru.
5 0100	61.0	39	0 NNE	50	0000 - sirens - marked device (Blue)
6 0200	60.3	36	0 NNE	59	Noticed at 0245 - No traffic and
7 0300	60.9	35	0 NNE	64	Robins calling overhead of
8 0400	62.6	33	0 NNE	66	microphone raise LAS 4 digits
9 0500	66.7	33	0 NNE	66	from 46 - 51.
10 0600	69.0	32	0 NNE	72	Light sirens 0256
11 0700	68.9	33	0-2 NNE	73	0418 - Garbage truck empties dumpsters. ESE - Direction - considerable
12 0800	68.2	36	0 NNE	71	0633 - Man leaf-blowing bldg premises adjacent to microphone (to East) noise
13 0900	67.2	46	0 NE	29	↳ considerable noise - raised LAS - 5 - 10 intervals
14 1000	67.3	48	0 ENE	26	0654 - Street sweeping Zamboni right infront of setup - considerable Nois
15 1100	66.9	49	7 NNE	31	↳ And again at 0656
16 1200	66.6	52	0 ENE	23	0826 ambulance siren
17 1300	66.4	55	0 E	25	0922 lawn mowing and weed whacking begins
18 1400	67.2	58	0 ENE	18	0933 lawn machines stop
19 1500	68.5	61	0 ENE	15	0934 sirens
20 1600	70.6	57	0 NE	18	0959 sirens
21 1700	70.7	54	5 NE	27	1007 sirens
22 1800	69.2	51	4 NE	32	1033 horn blast from cars in intersection
23 1900	68.3	50	5 NE	36	10:55 lawn mowing for ~5 minute at SW across S. Townsend. Not very loud.
24 2000	—	49	0 NE	39	11:20 sirens
					1135 siren. Addl sirens at 1137 & 1138. All were a few blocks away and not very loud.
					1313 siren
					1330 Rappers
					1428 Kids on skateboards and one kid talking to it.
					1432 siren
					1545 siren

Additional Comments:
Bldg Contact: Nancy Moran, Kupp Collection Agency
1945 siren

Best Western by Airport.
Jon - Airport Hampton

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/11/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60 PERSONNEL: MH, MG, DO, SM

INSTRUMENT: Casella CEL 633
S/N: FA 00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* 114 dBA

WIND: 4-7 mph DIRECTION: ENE
TEMPERATURE: 79° F
HUMIDITY: 12% RH

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 20
Residences in the Leavenworth Ave Area
310 Leavenworth Ave

RUN TIME	NOISE LEVEL dBA	COMMENTS
16:21	—	begin
		ppl @ receptor sitting on porch, grilling, talki
		house NW corner has
		small dog occasional bar
		should all be insignific.
	64	small child occassionally screaming. Occassiona door closing.
1631		quick horn beep
1636		end.

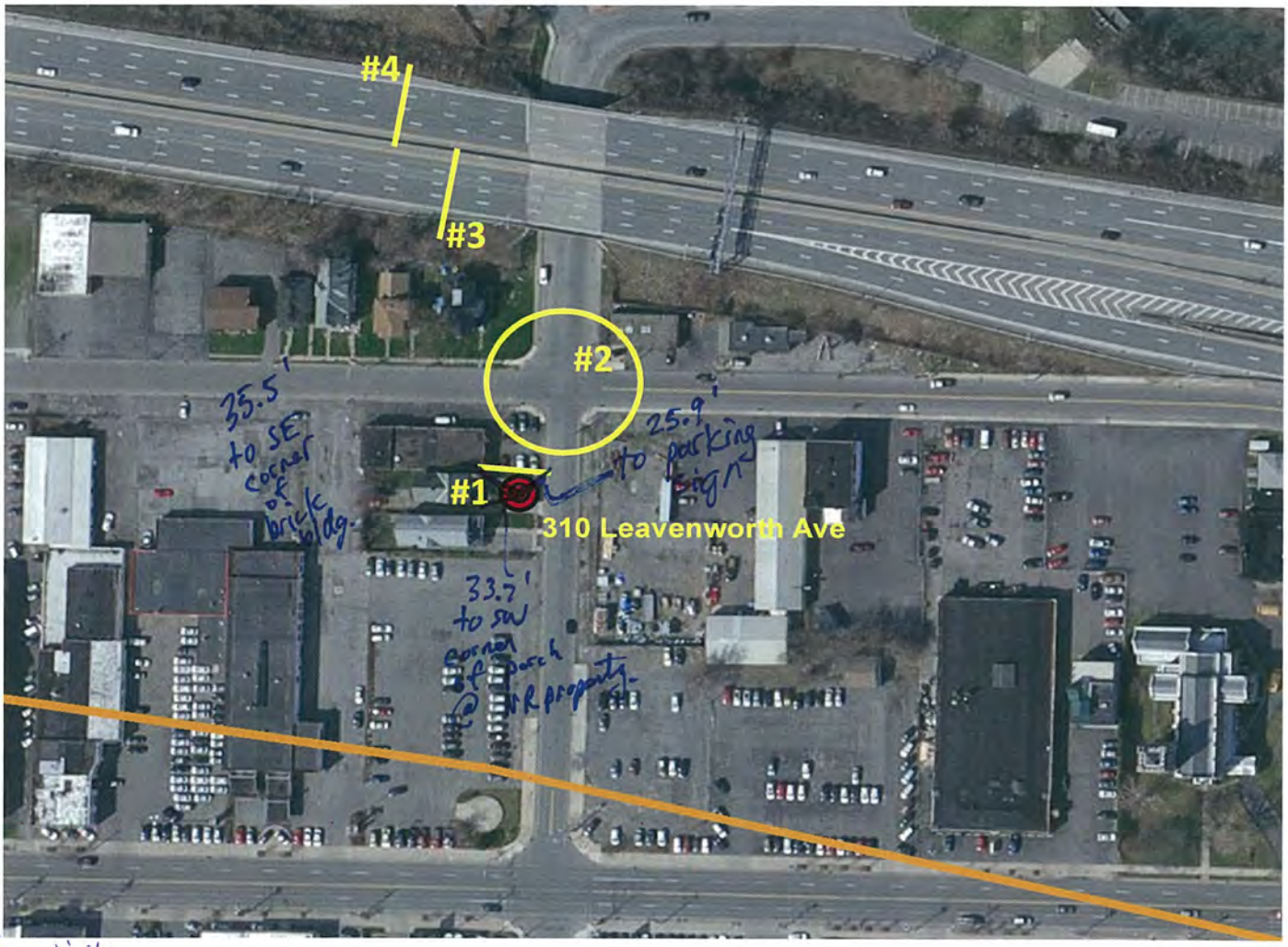
Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	63.3	62.7	62.7		
Start Time 16:21	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/11 PROJECT NAME: I-81 Viaduct Project (D031085)

LOCATION: Syracuse, New York

JOB NO: 13092 PIN NO: 3501.60



Speeds
#1 - no activity
#2 - Lev. 25-30
Bel. 30
#3 - 3 normal flow
#4 - 55-60

RECEPTOR I.D. 20
Residences in the Leavenworth Ave Area
310 Leavenworth Ave

Notes: ☆ if spike of LT (5+) on 3rd interval, was accident, should be A. There were very little light trucks.

	Function		Street	Person Name
Person #1:	Meter, Speeds, Cnt	✓	Parking Lot	No activity
Person #2:	Intersection Count	✓	Leavenworth/W. Belden	DO, DI-0803, Count 015 ↑
Person #3:	Traffic Count	✓	I-690 EB* ☆	SM [redacted], DI-0364, Count 015 ↑
Person #4:	Traffic Count	✓	I-690 WB*	MG [redacted], DI-0363, Count 014 ↑
Person #5:				
Person #6:				

* I-690 viewpoint may be from walking up N.West St Ramp (along grass behind guard rail).
Park @ ironworkers unions [redacted]. Authorized by them,

Watts Architecture & Engineering, P.C.
NOISE SURVEY

DATE: 5/12/16
PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092
PIN NO: 3501.60
PERSONNEL: MH, MG, DO, SM, NK, KO

INSTRUMENT: Casella CEL 633
S/N: FA00337
WEIGHTING: A
CALIBRATION: *Before:* 114 dBA *After:* ____ dBA

WIND: 4 mph DIRECTION: ESE
TEMPERATURE: 86° F
HUMIDITY: 27% RH

RUN TIME	NOISE LEVEL dBA	COMMENTS
14:00	-	begin
14:09	74	Firetruck airhorn
14:11	—	plane
14:15	—	end

Model all 2 ½ houses. In addition, jersey barrier and overpass echo.

LOCATION DIAGRAM



Notes:

RECEPTOR I.D. 21
Nichols Ave Area Residences
606 Nichols Ave

Time Interval	5 Min.	10 Min.	15 Min.	20 Min.	25 Min.
LEQ Reading	74.4	74.1	74.1		
Start Time 14:00	Minimum Recording Time			Extended Time	
Requirements	Continue recording LEQ levels at 5 minute intervals, up to 25 minutes, or until two consecutive recordings are the same during the minimum 15 minutes.				

Watts Architecture & Engineering, P.C.
NOISE SURVEY - PERSONNEL FORM

DATE: 5/12/16 PROJECT NAME: I-81 Viaduct Project (D031085)
LOCATION: Syracuse, New York
JOB NO: 13092 PIN NO: 3501.60



Speeds
Nichols - ∅ -
Burnet - 30 40 (Avg 35)
S. Midler - 25-35 (30)
I-690 WB - 55-65 (60)
I-690 EB -

RECEPTOR I.D. 21
Nichols Ave Area Residences
606 Nichols Ave

Notes:

	Function	Street	Person Name
Person #1:	Meter, Speeds, Cnt	Nichols	MH, sheet, ↑ - no traffic -
Person #2:	Traffic Count	I-690 WB	KD, JKK ipad, timed ↑
Person #3:	Traffic Count	I-690 EB	MG, D1-0364, Count 022 ↑
Person #4:	Traffic Count	Burnet	SM, T-1958, Count 004 ↑
Person #5:	Traffic Count	Ramp - CONFIRM NEED	NK, D1-0363, Count 022, →
Person #6:	Traffic Count	S.Midler Br. - CONFIRM NEED	DO, D1-0803, Count 021, → ↳ speeds w/ gun

Watts Architecture & Engineering, P.C.
24-HOUR NOISE SURVEY

DATES: 4/26 - 4/27/16 PROJECT NAME: I-81 Viaduct Project (D031085)
JOB NO: 13092 LOCATION: Syracuse, New York
PIN NO: 3501.60 PERSONNEL: JS MM MH
INSTRUMENT: CASELLA CEL 633 SN: FA02070 WEIGHTING: A
CALIBRATION (dBA): *Before:* 114 dB *After:* 114 dBA
START (DATE/TIME): 4/26/16 19:04
END (DATE/TIME):

LOCATION DIAGRAM



Notes:
RECEPTOR I.D. 21
Nichols Ave Area Residences
606 Nichols Ave

RUN TIME	NOISE LEVEL dBA	°F TEMP	mph WIND	% RH	COMMENTS
0 1904	69.9	40°	SW	79	
1 2004	68.7	40	SW	73	2056 Sirens heard in the distance
2 2104	67.6	39	SW	76	2141 Fire Engine leave station
3 2204	66.5	36	SW	81	2201 Ambulance goes over the
4 2304	64.7	35	SW	81	overpass
5 0004	62.5	33	WNW	84	
6 0104	*	33	WSW	84	
7 0204	62.3	33	WSW	84	
8 0304	60.9	31	Calm	91	Siren sounded at this time 0305
9 0404	63.0	31	Calm	91	0401 Screaming and crying coming
10 0504	66.8	31	Calm	91	from house on the corner left
11 0604	71.1	31	Calm	91	0605 Birds start to chirp near device
12 0704	72.9	31	Calm	87	0618 Garbage truck pulls in street and alley to throw into it.
13 0804	72.5	32	SSW	91	
14 0904	71.7	35	WNW	85	+MM change over from Jon S.
15 1004	71.1	37	WNW	75	0830 - Siren Sound -
16 1104	70.9	43	N 3	54	0900: Neighbor pulling out of Driveway across from Site
17 1204	70.6	46	NNW	50	0920 Additional Neighbor Car pulling out of Driveway
18 1304	70.3	48	WNW 3	45	1106 - Siren going by
19 1404	70.3	50	W 6	34	1135: U.S. mail Truck down side street
20 1504	70.7	53	W 8	28	1258: Fire Truck left Firehall with Siren on.
21 1604	71.1	54	NW 13	22	1400 - Low flying aircraft
22 1704	71.1	53	WNW 10	23	1444 - Aircraft flying overhead
23 1804	70.0	51	WNW 9	25	1446 - Siren from Eastbound Expressway
24 1904	—	48	NW 13	26	1514 - Sirens by Street (Burnet Ave)
					1543 - Loud Truck on EB 690

Additional Comments: * Battery failure/disconnection detected @ or 01:15 am. System shut down @ ~ 12:45 am. Begin new measurements after fixing battery issue, Begin @ 02:04. L_{AEQ} not obtained for 01:00 hour.

ATTACHMENT D

Noise Impact Summary – Model Results

Table: Traffic Noise Impact Summary – Model Results
PIN 3501.60 – I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

The following notes apply to the Traffic Noise Impact Summary – Model Results Table

- Noise level results are presented in dBA L_{eq}
- *NAC = Noise Abatement Criteria - An impact occurs when the projected highway noise levels approach or exceed the FHWA NAC ("Approach" is defined as within 1 dBA of the NAC).
- Total number of 2013 Existing Noise Model Results Exceeding NAC Levels = 696
- Total number of impacts for 2050 Viaduct Alternative Option 4 Model Results = 764
- Total number of impacts for 2050 Community Grid Option 2 Model Results = 679
- Since the NAC relates to predicted future traffic noise levels exceeding or approaching (within 1 dBA) the NAC, the NAC levels are shown as the NAC level minus 1 dBA.
- Impact = Either sound level (level above the NAC level identified for that NAC activity category); substantial impact (predicted future traffic noise levels substantially (by 6 dB(A) or more) exceed the existing levels.); or both.
- ---- = No NAC or substantial increase impacts identified.
- Inactive = Receiver is no longer physically present given the geometric design under this alternative.
- NA = Receiver is inactive; therefore, no results were calculated at this receiver and under this alternative.

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
240 Aberdeen Terr	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
106 Albion Ave	Salina Town of	B - Residential	1	67	75	**76**	1	**Impact**	**75**	0	**Impact**
7000 All Nations Blvd	Cicero Town of	C - Church	1	67	61	61	1	----	61	1	----
1207 Almond St	Syracuse	B - Residential	10	67	63	63	0	----	60	-3	----
601 Almond St	Syracuse	C - Picnic Area	2	67	66	**66**	0	**Impact**	60	-6	----
701 Almond St	Syracuse	C - Hospital	4	67	68	**67**	-1	**Impact**	61	-7	----
702 Almond St	Syracuse	C - Hospital	4	67	54	54	0	----	50	-3	----
1001 Almond St (01 of 15)	Syracuse	B - Residential	8	67	65	65	0	----	61	-4	----
1001 Almond St (02 of 15)	Syracuse	B - Residential	8	67	61	61	1	----	56	-5	----
1001 Almond St (03 of 15)	Syracuse	B - Residential	12	67	61	61	0	----	56	-5	----
1001 Almond St (04 of 15)	Syracuse	B - Residential	10	67	57	57	0	----	53	-4	----
1001 Almond St (05 of 15)	Syracuse	B - Residential	4	67	70	**70**	0	**Impact**	**69**	-1	**Impact**
1001 Almond St (06 of 15)	Syracuse	B - Residential	4	67	67	**67**	0	**Impact**	64	-3	----
1001 Almond St (07 of 15)	Syracuse	B - Residential	8	67	63	63	0	----	58	-5	----
1001 Almond St (08 of 15)	Syracuse	B - Residential	12	67	62	62	0	----	58	-5	----
1001 Almond St (09 of 15)	Syracuse	B - Residential	8	67	58	58	0	----	55	-4	----
1001 Almond St (10 of 15)	Syracuse	B - Residential	2	67	65	65	0	----	62	-3	----
1001 Almond St (11 of 15)	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	65	-1	----
1001 Almond St (12 of 15)	Syracuse	B - Residential	8	67	63	63	0	----	59	-4	----
1001 Almond St (13 of 15)	Syracuse	B - Residential	10	67	62	62	0	----	58	-5	----
1001 Almond St (14 of 15)	Syracuse	B - Residential	8	67	68	**68**	0	**Impact**	**68**	0	**Impact**
1001 Almond St (15 of 15)	Syracuse	B - Residential	8	67	65	65	0	----	61	-4	----
211 Amherst Ave	Syracuse	B - Residential	2	67	62	62	1	----	58	-3	----
216 Amherst Ave	Syracuse	B - Residential	1	67	63	63	1	----	59	-4	----
217 Amherst Ave	Syracuse	B - Residential	1	67	62	63	1	----	58	-4	----
220 Amherst Ave	Syracuse	B - Residential	1	67	63	64	1	----	59	-4	----
221 Amherst Ave	Syracuse	B - Residential	1	67	63	63	1	----	59	-4	----
225 Amherst Ave	Syracuse	B - Residential	1	67	64	64	1	----	60	-4	----
228 Amherst Ave	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	61	-5	----
233 Amherst Ave	Syracuse	B - Residential	1	67	68	**68**	1	**Impact**	63	-5	----
300 Andrews Rd	De Witt Town of	B - Residential	2	67	71	**73**	1	**Impact**	**74**	3	**Impact**
7922 Appleton Rd	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
7926 Appleton Rd	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
7929 Appleton Rd	Cicero Town of	B - Residential	1	67	65	65	0	----	65	0	----
7930 Appleton Rd	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
7934 Appleton Rd	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
7938 Appleton Rd	Cicero Town of	B - Residential	1	67	63	64	0	----	63	0	----
7944 Appleton Rd	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
7947 Appleton Rd	Cicero Town of	B - Residential	1	67	65	**66**	0	**Impact**	**66**	0	**Impact**
230 Arch St	Syracuse	B - Residential	1	67	62	63	0	----	63	0	----
136 Arsenal Dr	Syracuse	B - Residential	1	67	55	56	0	----	55	-1	----
137 Arsenal Dr	Syracuse	B - Residential	1	67	58	58	0	----	57	-1	----
140 Arsenal Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
143 Arsenal Dr	Syracuse	B - Residential	1	67	58	58	0	----	57	-1	----
148 Arsenal Dr	Syracuse	B - Residential	1	67	58	58	0	----	57	-1	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
151 Arsenal Dr	Syracuse	B - Residential	1	67	59	59	0	----	58	-1	----
145 Arsenal Dr -1	Syracuse	B - Residential	1	67	59	59	0	----	58	-1	----
145 Arsenal Dr -2	Syracuse	B - Residential	1	67	58	58	0	----	57	-1	----
102 Ashworth Pl	Syracuse	B - Residential	2	67	56	57	1	----	58	2	----
104 Ashworth Pl	Syracuse	B - Residential	3	67	55	56	1	----	57	2	----
105 Ashworth Pl	Syracuse	B - Residential	1	67	56	57	1	----	58	2	----
107 Ashworth Pl	Syracuse	B - Residential	1	67	55	56	1	----	57	2	----
109 Ashworth Pl	Syracuse	B - Residential	2	67	54	55	1	----	56	2	----
111 Ashworth Pl	Syracuse	B - Residential	1	67	53	54	1	----	55	2	----
1 Austin Dr	Salina Town of	B - Residential	1	67	60	61	0	----	61	0	----
2 Austin Dr	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----
6 Austin Dr	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
8 Austin Dr	Salina Town of	B - Residential	1	67	64	64	0	----	64	0	----
206 Avery Dr	Salina Town of	B - Residential	1	67	59	60	0	----	60	0	----
207 Avery Dr	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
208 Avery Dr	Salina Town of	B - Residential	1	67	60	61	0	----	61	0	----
209 Avery Dr	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
210 Avery Dr	Salina Town of	B - Residential	1	67	60	60	0	----	60	0	----
211 Avery Dr	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
212 Avery Dr	Salina Town of	B - Residential	1	67	60	60	0	----	60	0	----
214 Avery Dr	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
216 Avery Dr	Salina Town of	B - Residential	1	67	60	60	0	----	60	0	----
218 Avery Dr	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
220 Avery Dr	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
118 Avon Ave	Salina Town of	B - Residential	1	67	58	58	0	----	58	0	----
200 Avon Ave	Salina Town of	B - Residential	1	67	58	58	0	----	58	0	----
201 Avon Ave	Salina Town of	B - Residential	1	67	57	57	0	----	57	0	----
202 Avon Ave	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
203 Avon Ave	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
204 Avon Ave	Salina Town of	B - Residential	1	67	60	60	0	----	60	0	----
205 Avon Ave	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
206 Avon Ave	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
207 Avon Ave	Salina Town of	B - Residential	2	67	62	62	0	----	62	0	----
208 Avon Ave	Salina Town of	B - Residential	1	67	62	63	0	----	63	0	----
209 Avon Ave	Salina Town of	B - Residential	1	67	62	63	0	----	62	0	----
102 Bailey Rd	Salina Town of	B - Residential	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
104 Bailey Rd	Salina Town of	B - Residential	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
109 Bailey Rd	Salina Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
111 Bailey Rd	Salina Town of	B - Residential	1	67	65	65	0	----	65	0	----
117 Baker Ave	Syracuse	B - Residential	1	67	58	58	0	----	55	-3	----
121 Baker Ave	Syracuse	B - Residential	2	67	59	59	0	----	56	-4	----
127 Baker Ave	Syracuse	B - Residential	2	67	61	61	0	----	57	-4	----
135 Baker Ave	Syracuse	B - Residential	1	67	61	61	0	----	56	-5	----
143 Baker Ave	Syracuse	B - Residential	2	67	61	60	0	----	56	-5	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
213 Baker Ave	Syracuse	B - Residential	1	67	62	62	0	----	57	-5	----
229 Baker Ave	Syracuse	B - Residential	2	67	61	61	0	----	56	-5	----
233 Baker Ave	Syracuse	B - Residential	2	67	61	61	0	----	57	-5	----
239 Baker Ave	Syracuse	B - Residential	1	67	61	61	0	----	56	-4	----
243 Baker Ave	Syracuse	B - Residential	1	67	60	61	0	----	56	-5	----
249 Baker Ave	Syracuse	B - Residential	2	67	60	60	0	----	56	-4	----
255 Baker Ave	Syracuse	B - Residential	2	67	59	60	0	----	55	-4	----
311 Baker Ave	Syracuse	B - Residential	2	67	57	57	1	----	54	-3	----
313 Baker Ave	Syracuse	B - Residential	1	67	57	58	1	----	54	-4	----
317 Baker Ave	Syracuse	B - Residential	1	67	58	58	1	----	54	-4	----
321 Baker Ave	Syracuse	B - Residential	1	67	58	59	1	----	55	-4	----
327 Baker Ave	Syracuse	B - Residential	1	67	59	60	1	----	55	-4	----
329 Baker Ave	Syracuse	B - Residential	1	67	60	60	1	----	56	-4	----
353 Baker Ave	Syracuse	B - Residential	2	67	61	62	0	----	60	-1	----
210 Basin St	Syracuse	B - Residential	2	67	70	**73**	3	**Impact**	**73**	3	**Impact**
304 Basin St	Syracuse	B - Residential	1	67	69	**72**	3	**Impact**	**72**	3	**Impact**
306 Basin St	Syracuse	B - Residential	2	67	68	**71**	3	**Impact**	**71**	2	**Impact**
312 Basin St	Syracuse	B - Residential	1	67	68	**71**	3	**Impact**	**71**	3	**Impact**
316 Basin St	Syracuse	B - Residential	2	67	68	**71**	4	**Impact**	**71**	3	**Impact**
318 Basin St	Syracuse	B - Residential	1	67	67	**70**	3	**Impact**	**70**	3	**Impact**
320 Basin St	Syracuse	B - Residential	2	67	67	**70**	3	**Impact**	**70**	3	**Impact**
Bear Trap Creek Trail - 01	Salina Town of	C - Trail	1	67	62	63	0	----	63	0	----
Bear Trap Creek Trail - 02	Salina Town of	C - Trail	1	67	73	**74**	0	**Impact**	**73**	0	**Impact**
Bear Trap Creek Trail - 03	North Syracuse	C - Trail	1	67	78	**78**	1	**Impact**	**78**	0	**Impact**
Bear Trap Creek Trail - 04	Salina Town of	C - Trail	1	67	66	**66**	1	**Impact**	**66**	1	**Impact**
Bear Trap Creek Trail - 05	Salina Town of	C - Trail	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
Bear Trap Creek Trail - 06	Salina Town of	C - Trail	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
Bear Trap Creek Trail - 07	Salina Town of	C - Trail	1	67	75	**76**	0	**Impact**	**75**	0	**Impact**
Bear Trap Creek Trail - 08	Salina Town of	C - Trail	1	67	77	**77**	0	**Impact**	**77**	0	**Impact**
Bear Trap Creek Trail - 09	North Syracuse	C - Trail	1	67	77	**77**	0	**Impact**	**77**	0	**Impact**
Bear Trap Creek Trail - 10	Salina Town of	C - Trail	1	67	78	**78**	0	**Impact**	**78**	0	**Impact**
Bear Trap Creek Trail - 11	North Syracuse	C - Trail	1	67	78	**78**	0	**Impact**	**78**	0	**Impact**
Bear Trap Creek Trail - 12	Salina Town of	C - Trail	1	67	78	**78**	0	**Impact**	**78**	0	**Impact**
Bear Trap Creek Trail - 13	North Syracuse	C - Trail	1	67	78	**78**	0	**Impact**	**78**	0	**Impact**
Bear Trap Creek Trail - 14	Salina Town of	C - Trail	1	67	76	**77**	1	**Impact**	**76**	0	**Impact**
102 Benedict Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	63	-3	----
104 Benedict Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	63	-3	----
106 Benedict Ave	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	63	-3	----
108 Benedict Ave	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	63	-3	----
110 Benedict Ave	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	63	-3	----
112 Benedict Ave	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	63	-3	----
114 Benedict Ave	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	63	-3	----
116 Benedict Ave	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	63	-3	----
118 Benedict Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	63	-3	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
120 Benedict Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	62	-3	----
122 Benedict Ave	Syracuse	B - Residential	1	67	65	65	1	----	62	-3	----
124 Benedict Ave	Syracuse	B - Residential	1	67	64	64	1	----	61	-3	----
126 Benedict Ave	Syracuse	B - Residential	1	67	63	63	1	----	60	-3	----
128 Benedict Ave	Syracuse	B - Residential	1	67	62	63	1	----	59	-3	----
130 Benedict Ave	Syracuse	B - Residential	1	67	61	62	1	----	58	-3	----
6780 Benedict Rd	De Witt Town of	B - Residential	1	67	70	**71**	0	**Impact**	**71**	1	**Impact**
6790 Benedict Rd	De Witt Town of	B - Residential	1	67	64	64	0	----	65	1	----
6851 Benedict Rd	De Witt Town of	B - Residential	1	67	62	62	0	----	63	1	----
200 Bennington Dr	Syracuse	B - Residential	1	67	53	53	1	----	52	-1	----
201 Bennington Dr	Syracuse	B - Residential	1	67	51	52	1	----	50	-1	----
206 Bennington Dr	Syracuse	B - Residential	1	67	52	53	1	----	51	-2	----
207 Bennington Dr	Syracuse	B - Residential	1	67	52	53	1	----	50	-2	----
211 Bennington Dr	Syracuse	B - Residential	1	67	53	54	1	----	51	-2	----
212 Bennington Dr	Syracuse	B - Residential	1	67	54	55	1	----	52	-2	----
218 Bennington Dr	Syracuse	B - Residential	1	67	56	57	1	----	54	-3	----
221 Bennington Dr	Syracuse	B - Residential	1	67	57	58	1	----	54	-3	----
222 Bennington Dr	Syracuse	B - Residential	1	67	57	58	1	----	54	-3	----
226 Bennington Dr	Syracuse	B - Residential	1	67	61	62	1	----	58	-3	----
227 Bennington Dr	Syracuse	B - Residential	1	67	62	62	1	----	58	-3	----
233 Bennington Dr	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	65	-4	----
100 Berwyn Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**69**	-3	**Impact**
101 Berwyn Ave	Syracuse	B - Residential	1	67	65	65	1	----	62	-3	----
102 Berwyn Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**70**	-3	**Impact**
103 Berwyn Ave	Syracuse	B - Residential	1	67	64	65	1	----	62	-3	----
104 Berwyn Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**70**	-3	**Impact**
105 Berwyn Ave	Syracuse	B - Residential	1	67	64	64	1	----	61	-3	----
106 Berwyn Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**69**	-3	**Impact**
107 Berwyn Ave	Syracuse	B - Residential	1	67	64	64	1	----	61	-3	----
108 Berwyn Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**69**	-3	**Impact**
109 Berwyn Ave	Syracuse	B - Residential	1	67	64	64	1	----	61	-3	----
110 Berwyn Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**69**	-3	**Impact**
111 Berwyn Ave	Syracuse	B - Residential	1	67	63	64	1	----	61	-3	----
112 Berwyn Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**69**	-3	**Impact**
113 Berwyn Ave	Syracuse	B - Residential	1	67	64	65	1	----	61	-3	----
114 Berwyn Ave	Syracuse	B - Residential	1	67	72	**72**	1	**Impact**	**69**	-3	**Impact**
115 Berwyn Ave	Syracuse	B - Residential	1	67	64	65	1	----	61	-3	----
116 Berwyn Ave	Syracuse	B - Residential	1	67	72	**72**	1	**Impact**	**69**	-3	**Impact**
117 Berwyn Ave	Syracuse	B - Residential	1	67	64	65	1	----	61	-3	----
118 Berwyn Ave	Syracuse	B - Residential	1	67	72	**72**	1	**Impact**	**69**	-3	**Impact**
119 Berwyn Ave	Syracuse	B - Residential	1	67	64	65	1	----	61	-3	----
120 Berwyn Ave	Syracuse	B - Residential	1	67	72	**72**	1	**Impact**	**69**	-3	**Impact**
121 Berwyn Ave	Syracuse	B - Residential	1	67	64	65	1	----	61	-3	----
122 Berwyn Ave	Syracuse	B - Residential	2	67	71	**72**	1	**Impact**	**69**	-3	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
123 Berwyn Ave	Syracuse	B - Residential	1	67	63	64	1	----	60	-3	----
126 Berwyn Ave	Syracuse	B - Residential	2	67	71	**72**	1	**Impact**	**69**	-3	**Impact**
127 Berwyn Ave	Syracuse	B - Residential	1	67	61	62	1	----	58	-3	----
1 Billings Lane	De Witt Town of	B - Residential	1	67	71	**71**	1	**Impact**	**73**	2	**Impact**
6067 Bourdage Rd	Cicero Town of	B - Residential	1	67	59	59	1	----	59	1	----
6079 Bourdage Rd	Cicero Town of	B - Residential	1	67	55	56	1	----	57	2	----
3504 Brewerton Rd	Salina Town of	C - Outdoor Dining	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
2803 Brewerton Rd (1 of 3)	Salina Town of	C - Cinema	1	67	66	**66**	1	**Impact**	**66**	0	**Impact**
2803 Brewerton Rd (2 of3)	Salina Town of	C - Outdoor Dining	1	67	65	**66**	0	**Impact**	**66**	0	**Impact**
2803 Brewerton Rd (3 of 3)	Salina Town of	C - Outdoor Dining	1	67	64	65	0	----	65	0	----
5904 Bridge St	De Witt Town of	C - Picnic Area at TV Studio	1	67	58	59	0	----	59	1	----
5903 Brigadier Dr	Cicero Town of	B - Residential	1	67	64	64	0	----	64	-1	----
5914 Brigadier Dr	Cicero Town of	B - Residential	1	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
5916 Brigadier Dr	Cicero Town of	B - Residential	1	67	66	**67**	0	**Impact**	**66**	0	**Impact**
5918 Brigadier Dr	Cicero Town of	B - Residential	1	67	65	65	0	----	65	0	----
5920 Brigadier Dr	Cicero Town of	B - Residential	1	67	65	65	0	----	65	1	----
5924 Brigadier Dr	Cicero Town of	B - Residential	1	67	64	64	0	----	65	1	----
5927 Brigadier Dr	Cicero Town of	B - Residential	1	67	61	61	0	----	61	1	----
5928 Brigadier Dr	Cicero Town of	B - Residential	1	67	64	64	0	----	65	2	----
5931 Brigadier Dr	Cicero Town of	B - Residential	1	67	60	60	0	----	61	1	----
5932 Brigadier Dr	Cicero Town of	B - Residential	1	67	63	63	0	----	65	2	----
5936 Brigadier Dr	Cicero Town of	B - Residential	1	67	63	63	0	----	65	3	----
5937 Brigadier Dr	Cicero Town of	B - Residential	1	67	60	60	0	----	61	1	----
5938 Brigadier Dr	Cicero Town of	B - Residential	1	67	63	63	0	----	**66**	3	**Impact**
5940 Brigadier Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	65	3	----
5943 Brigadier Dr	Cicero Town of	B - Residential	1	67	60	60	0	----	61	1	----
5944 Brigadier Dr	Cicero Town of	B - Residential	1	67	61	61	0	----	63	3	----
5946 Brigadier Dr	Cicero Town of	B - Residential	1	67	60	60	0	----	62	2	----
5950 Brigadier Dr	Cicero Town of	B - Residential	1	67	59	59	0	----	61	2	----
5953 Brigadier Dr	Cicero Town of	B - Residential	1	67	58	59	0	----	60	1	----
5954 Brigadier Dr	Cicero Town of	B - Residential	1	67	58	59	0	----	60	2	----
5966 Brigadier Dr	Cicero Town of	B - Residential	1	67	58	58	0	----	59	1	----
5970 Brigadier Dr	Cicero Town of	B - Residential	1	67	58	58	0	----	59	1	----
5974 Brigadier Dr	Cicero Town of	B - Residential	1	67	58	58	0	----	58	0	----
5000 Brittonfield Pkwy	De Witt Town of	C - Medical	3	67	63	63	1	----	64	1	----
5008 Brittonfield Pkwy	De Witt Town of	C - Medical	1	67	66	**67**	0	**Impact**	**67**	1	**Impact**
408 Brookfield Rd	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----
416 Brookfield Rd	Salina Town of	B - Residential	1	67	62	63	0	----	62	0	----
421 Brookfield Rd	Salina Town of	B - Residential	1	67	62	63	0	----	62	0	----
422 Brookfield Rd	Salina Town of	B - Residential	1	67	63	64	0	----	63	0	----
425 Brookfield Rd	Salina Town of	B - Residential	3	67	63	64	0	----	63	0	----
101 Buckley Rd	Salina Town of	B - Residential	1	67	68	**67**	0	**Impact**	**68**	0	**Impact**
103 Buckley Rd	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
99 Buckley Rd	Salina Town of	B - Residential	2	67	62	62	0	----	62	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1002 Burnet Ave	Syracuse	B - Residential	1	67	66	65	-1	----	**66**	-1	**Impact**
1006 Burnet Ave	Syracuse	B - Residential	1	67	69	**66**	-3	**Impact**	**66**	-3	**Impact**
101 Burnet Ave	Syracuse	B - Residential	4	67	68	**69**	0	**Impact**	**68**	0	**Impact**
1101 Burnet Ave	Syracuse	C - Park	1	67	66	**67**	0	**Impact**	**67**	1	**Impact**
1102 Burnet Ave	Syracuse	B - Residential	2	67	69	**67**	-2	**Impact**	**67**	-2	**Impact**
1108 Burnet Ave	Syracuse	B - Residential	2	67	70	**69**	-1	**Impact**	**69**	-1	**Impact**
111 Burnet Ave	Syracuse	B - Residential	3	67	66	**67**	0	**Impact**	**66**	0	**Impact**
1112 Burnet Ave	Syracuse	B - Residential	3	67	70	**70**	0	**Impact**	**70**	0	**Impact**
112 Burnet Ave	Syracuse	B - Residential	3	67	66	**67**	0	**Impact**	**66**	-1	**Impact**
1217 Burnet Ave	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**69**	1	**Impact**
125 Burnet Ave	Syracuse	B - Residential	2	67	64	65	1	----	64	0	----
1311 Burnet Ave	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	**69**	1	**Impact**
1315 Burnet Ave	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1322 Burnet Ave	Syracuse	B - Residential	1	67	69	**70**	1	**Impact**	**71**	1	**Impact**
1326 Burnet Ave	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	**70**	2	**Impact**
1332 Burnet Ave	Syracuse	B - Residential	1	67	71	**71**	0	**Impact**	**72**	0	**Impact**
1337 Burnet Ave	Syracuse	B - Residential	1	67	68	**68**	1	**Impact**	**69**	1	**Impact**
1349 Burnet Ave	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1350 Burnet Ave	Syracuse	B - Residential	1	67	67	**69**	2	**Impact**	**69**	2	**Impact**
1351 Burnet Ave	Syracuse	B - Residential	2	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1354 Burnet Ave	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	**70**	1	**Impact**
1357 Burnet Ave	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1361 Burnet Ave	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1367 Burnet Ave	Syracuse	B - Residential	2	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1375 Burnet Ave	Syracuse	B - Residential	2	67	66	**67**	0	**Impact**	**67**	1	**Impact**
1400 Burnet Ave	Syracuse	C - Outdoor Dining	1	67	69	**70**	1	**Impact**	**70**	1	**Impact**
1401 Burnet Ave	Syracuse	C - Outdoor Dining	1	67	68	**68**	1	**Impact**	**68**	1	**Impact**
1405 Burnet Ave	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1411 Burnet Ave	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
1412 Burnet Ave	Syracuse	B - Residential	1	67	69	**70**	0	**Impact**	**70**	1	**Impact**
1414 Burnet Ave	Syracuse	B - Residential	1	67	69	**69**	0	**Impact**	**70**	1	**Impact**
1415 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	1	**Impact**	**67**	1	**Impact**
1417 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	1	**Impact**	**67**	1	**Impact**
1420 Burnet Ave	Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
1421 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	1	**Impact**	**67**	1	**Impact**
1425 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	1	**Impact**	**67**	1	**Impact**
1427 Burnet Ave	Syracuse	B - Residential	2	67	67	**67**	1	**Impact**	**67**	1	**Impact**
1431 Burnet Ave	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	**67**	1	**Impact**
1432 Burnet Ave	Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**67**	0	**Impact**
1433 Burnet Ave	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	**67**	1	**Impact**
1437 Burnet Ave	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	**66**	1	**Impact**
1438 Burnet Ave	Syracuse	B - Residential	1	67	70	**69**	-1	**Impact**	**69**	0	**Impact**
1439 Burnet Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	**66**	1	**Impact**
1443 Burnet Ave	Syracuse	B - Residential	1	67	65	**66**	0	**Impact**	**66**	1	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1445 Burnet Ave	Syracuse	B - Residential	1	67	65	65	0	----	**66**	1	**Impact**
1446 Burnet Ave	Syracuse	B - Residential	1	67	69	**69**	0	**Impact**	**70**	0	**Impact**
1448 Burnet Ave	Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
1449 Burnet Ave	Syracuse	B - Residential	2	67	65	**66**	0	**Impact**	**66**	1	**Impact**
1450 Burnet Ave	Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
1460 Burnet Ave	Syracuse	C - Outdoor Vending	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
1500 Burnet Ave	Syracuse	B - Residential	2	67	69	**69**	0	**Impact**	**69**	0	**Impact**
1501 Burnet Ave	Syracuse	B - Residential	3	67	67	**67**	0	**Impact**	**67**	1	**Impact**
1503 Burnet Ave	Syracuse	B - Residential	2	67	66	**67**	0	**Impact**	**67**	1	**Impact**
1506 Burnet Ave	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
1508 Burnet Ave	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
1509 Burnet Ave	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	1	**Impact**
1510 Burnet Ave	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
1511 Burnet Ave	Syracuse	B - Residential	2	67	68	**69**	0	**Impact**	**69**	1	**Impact**
1513 Burnet Ave	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	**70**	1	**Impact**
1515 Burnet Ave	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	**70**	1	**Impact**
1517 Burnet Ave	Syracuse	B - Residential	1	67	69	**69**	1	**Impact**	**70**	1	**Impact**
1519 Burnet Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**68**	1	**Impact**
1521 Burnet Ave	Syracuse	B - Residential	2	67	66	**67**	0	**Impact**	**67**	1	**Impact**
1523 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**67**	1	**Impact**
1525 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**67**	1	**Impact**
1600 Burnet Ave	Syracuse	C - Memorial	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
1601 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**67**	1	**Impact**
1607 Burnet Ave	Syracuse	B - Residential	3	67	65	65	0	----	**66**	1	**Impact**
1611 Burnet Ave	Syracuse	B - Residential	1	67	65	65	0	----	65	1	----
1613 Burnet Ave	Syracuse	B - Residential	1	67	65	65	0	----	65	1	----
1615 Burnet Ave	Syracuse	B - Residential	1	67	64	65	0	----	65	1	----
1617 Burnet Ave	Syracuse	B - Residential	1	67	64	65	0	----	65	1	----
1621 Burnet Ave	Syracuse	B - Residential	1	67	64	64	1	----	65	1	----
1645 Burnet Ave	Syracuse	B - Residential	1	67	64	65	1	----	65	1	----
1701 Burnet Ave	Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
1811 Burnet Ave	Syracuse	B - Residential	1	67	65	65	0	----	**66**	0	**Impact**
1817 Burnet Ave	Syracuse	B - Residential	2	67	58	58	0	----	58	0	----
1823 Burnet Ave	Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
1829 Burnet Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
1847 Burnet Ave	Syracuse	B - Residential	10	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1854 Burnet Ave	Syracuse	B - Residential	1	67	72	**72**	0	**Impact**	**72**	0	**Impact**
1901 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1907 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1911 Burnet Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1917 Burnet Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1919 Burnet Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**67**	0	**Impact**
1923 Burnet Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**67**	0	**Impact**
200 Burnet Ave	Syracuse	B - Residential	1	67	70	**69**	-2	**Impact**	**66**	-5	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
2001 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2009 Burnet Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2011 Burnet Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2017 Burnet Ave	Syracuse	B - Residential	1	67	66	65	0	----	65	0	----
2023 Burnet Ave	Syracuse	B - Residential	2	67	67	**66**	0	**Impact**	**66**	0	**Impact**
205 Burnet Ave	Syracuse	B - Residential	2	67	64	64	1	----	64	1	----
207 Burnet Ave	Syracuse	B - Residential	1	67	63	64	1	----	63	1	----
2107 Burnet Ave	Syracuse	B - Residential	2	67	68	**67**	0	**Impact**	**68**	0	**Impact**
211 Burnet Ave	Syracuse	B - Residential	1	67	62	63	1	----	63	1	----
2111 Burnet Ave	Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**68**	0	**Impact**
2115 Burnet Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**67**	0	**Impact**
2125 Burnet Ave	Syracuse	B - Residential	3	67	62	62	0	----	62	0	----
215 Burnet Ave	Syracuse	B - Residential	1	67	63	64	1	----	63	1	----
219 Burnet Ave	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**68**	0	**Impact**
2215 Burnet Ave	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
2222 Burnet Ave	Syracuse	C - Outdoor Dining	1	67	72	**72**	0	**Impact**	**72**	0	**Impact**
2300 Burnet Ave	Syracuse	B - Residential	2	67	73	**73**	0	**Impact**	**73**	0	**Impact**
2304 Burnet Ave	Syracuse	B - Residential	1	67	73	**73**	0	**Impact**	**74**	0	**Impact**
2312 Burnet Ave	Syracuse	B - Residential	1	67	73	**73**	0	**Impact**	**73**	0	**Impact**
2317 Burnet Ave	Syracuse	C - Park	4	67	62	62	0	----	62	0	----
2402 Burnet Ave	Syracuse	B - Residential	2	67	72	**72**	0	**Impact**	**72**	0	**Impact**
2404 Burnet Ave	Syracuse	B - Residential	2	67	72	**72**	0	**Impact**	**72**	0	**Impact**
2504 Burnet Ave	Syracuse	B - Residential	1	67	72	**72**	0	**Impact**	**72**	0	**Impact**
2511 Burnet Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2515 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2521 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2525 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2531 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2623 Burnet Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2701 Burnet Ave	Syracuse	B - Residential	2	67	65	**66**	0	**Impact**	**66**	0	**Impact**
2707 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
2708 Burnet Ave	Syracuse	B - Residential	1	67	70	**71**	0	**Impact**	**71**	0	**Impact**
2713 Burnet Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2717 Burnet Ave	Syracuse	B - Residential	2	67	68	**68**	0	**Impact**	**68**	0	**Impact**
2720 Burnet Ave	Syracuse	B - Residential	1	67	72	**72**	0	**Impact**	**72**	0	**Impact**
2723 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
2801 Burnet Ave	Syracuse	B - Residential	2	67	68	**68**	0	**Impact**	**68**	0	**Impact**
2807 Burnet Ave	Syracuse	B - Residential	2	67	65	65	0	----	65	0	----
2817 Burnet Ave	Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
2825 Burnet Ave	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
2907 Burnet Ave	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
2913 Burnet Ave	Syracuse	B - Residential	2	67	60	60	0	----	61	0	----
3001 Burnet Ave	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
3015 Burnet Ave	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
308 Burnet Ave	Syracuse	B - Residential	1	67	65	**67**	2	**Impact**	64	-1	----
3101 Burnet Ave	Syracuse	B - Residential	2	67	60	60	0	----	61	0	----
3113 Burnet Ave	Syracuse	B - Residential	2	67	60	60	0	----	61	0	----
312 Burnet Ave	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	64	-2	----
3123 Burnet Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
314 Burnet Ave	Syracuse	B - Residential	1	67	65	**67**	3	**Impact**	64	-1	----
316 Burnet Ave	Syracuse	B - Residential	1	67	65	**68**	3	**Impact**	64	-1	----
320 Burnet Ave	Syracuse	B - Residential	2	67	66	**70**	4	**Impact**	**66**	0	**Impact**
3200 Burnet Ave	Syracuse	C - Medical	1	67	63	63	0	----	63	1	----
3201 Burnet Ave	Syracuse	B - Residential	2	67	60	60	0	----	60	0	----
322 Burnet Ave	Syracuse	B - Residential	1	67	68	**73**	5	**Impact**	**67**	-1	**Impact**
3302 Burnet Ave	Syracuse	B - Residential	1	67	64	64	0	----	65	1	----
3304 Burnet Ave	Syracuse	B - Residential	1	67	64	64	0	----	64	1	----
405 Burnet Ave	Syracuse	B - Residential	3	67	63	**69**	**6**	**Impact**	65	2	----
411 Burnet Ave	Syracuse	B - Residential	2	67	62	**68**	**6**	**Impact**	65	2	----
417 Burnet Ave	Syracuse	B - Residential	3	67	62	**67**	**6**	**Impact**	64	2	----
425 Burnet Ave	Syracuse	B - Residential	2	67	62	**67**	5	**Impact**	64	2	----
429 Burnet Ave	Syracuse	B - Residential	1	67	62	**66**	4	**Impact**	64	2	----
431 Burnet Ave	Syracuse	B - Residential	2	67	62	**67**	5	**Impact**	64	2	----
435 Burnet Ave	Syracuse	B - Residential	2	67	62	**66**	4	**Impact**	64	2	----
437 Burnet Ave	Syracuse	B - Residential	1	67	62	**66**	4	**Impact**	64	2	----
443 Burnet Ave	Syracuse	B - Residential	2	67	58	62	4	----	58	0	----
501 Burnet Ave	Syracuse	B - Residential	1	67	61	61	0	----	62	1	----
503 Burnet Ave	Syracuse	C - Picnic Table	1	67	65	64	-1	----	**68**	3	**Impact**
509 Burnet Ave	Syracuse	B - Residential	2	67	65	64	-1	----	**68**	3	**Impact**
517 Burnet Ave	Syracuse	B - Residential	1	67	66	64	-1	----	**69**	3	**Impact**
525 Burnet Ave	Syracuse	B - Residential	2	67	66	64	-1	----	**69**	3	**Impact**
527 Burnet Ave	Syracuse	B - Residential	2	67	66	65	-1	----	**69**	3	**Impact**
529 Burnet Ave	Syracuse	B - Residential	3	67	66	65	-1	----	**69**	3	**Impact**
531 Burnet Ave	Syracuse	B - Residential	1	67	65	64	-1	----	**68**	3	**Impact**
537 Burnet Ave	Syracuse	B - Residential	1	67	65	65	-1	----	**68**	3	**Impact**
600 Burnet Ave	Syracuse	B - Residential	2	67	68	**68**	-1	**Impact**	**74**	5	**Impact**
601 Burnet Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**69**	1	**Impact**
604 Burnet Ave	Syracuse	B - Residential	2	67	68	**67**	-1	**Impact**	**73**	5	**Impact**
605 Burnet Ave	Syracuse	B - Residential	1	67	63	62	0	----	63	1	----
606 Burnet Ave	Syracuse	B - Residential	2	67	68	**66**	-2	**Impact**	**72**	4	**Impact**
608 Burnet Ave	Syracuse	B - Residential	2	67	68	**66**	-2	**Impact**	**71**	3	**Impact**
639 Burnet Ave	Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
642 Burnet Ave	Syracuse	B - Residential	1	67	58	58	1	----	58	0	----
646 Burnet Ave	Syracuse	B - Residential	1	67	67	**66**	-1	**Impact**	65	-2	----
648 Burnet Ave	Syracuse	B - Residential	1	67	68	**66**	-2	**Impact**	65	-3	----
707 Burnet Ave	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**69**	0	**Impact**
723 Burnet Ave	Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
807 Burnet Ave	Syracuse	B - Residential	2	67	64	64	1	----	65	1	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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809 Burnet Ave	Syracuse	B - Residential	2	67	63	64	1	----	64	1	----
811 Burnet Ave	Syracuse	B - Residential	3	67	63	64	1	----	65	1	----
817 Burnet Ave	Syracuse	B - Residential	3	67	64	**66**	1	**Impact**	**66**	1	**Impact**
824 Burnet Ave	Syracuse	B - Residences	4	67	65	**66**	1	**Impact**	**66**	1	**Impact**
827 Burnet Ave	Syracuse	B - Residential	2	67	66	**67**	1	**Impact**	**68**	2	**Impact**
831 Burnet Ave	Syracuse	B - Residential	2	67	67	**67**	1	**Impact**	**68**	1	**Impact**
920 Burnet Ave	Syracuse	B - Residential	2	67	68	**67**	-1	**Impact**	**67**	-1	**Impact**
924 Burnet Ave	Syracuse	B - Residential	1	67	68	**66**	-1	**Impact**	**67**	-1	**Impact**
930 Burnet Ave	Syracuse	B - Residential	3	67	68	**67**	-1	**Impact**	**67**	-1	**Impact**
Butternut Creek Trail - 01	De Witt Town of	C - Trail	1	67	62	63	0	----	64	2	----
Butternut Creek Trail - 02	De Witt Town of	C - Trail	1	67	64	65	0	----	**66**	2	**Impact**
Butternut Creek Trail - 03	De Witt Town of	C - Trail	1	67	70	**70**	0	**Impact**	**71**	1	**Impact**
Butternut Creek Trail - 04	De Witt Town of	C - Trail	1	67	69	**69**	0	**Impact**	**70**	1	**Impact**
Butternut Creek Trail - 05	De Witt Town of	C - Trail	1	67	69	**69**	0	**Impact**	**70**	1	**Impact**
Butternut Creek Trail - 06	De Witt Town of	C - Trail	1	67	63	63	0	----	64	1	----
5400 Butternut Dr	De Witt Town of	C - Park	3	67	73	**73**	0	**Impact**	**73**	1	**Impact**
204 Butternut St	Syracuse	C - Places of Worship	1	67	65	64	-1	----	64	-1	----
1200 Canal St	Syracuse	C - Outdoor Seating	1	67	51	51	0	----	51	0	----
109 Catawba St	Syracuse	B - Residential	1	67	59	61	1	----	60	1	----
202 Catherine St	Syracuse	B - Residential	2	67	65	**70**	5	**Impact**	**66**	1	**Impact**
204 Catherine St	Syracuse	B - Residential	1	67	63	**67**	4	**Impact**	64	1	----
206 Catherine St	Syracuse	B - Residential	1	67	63	**66**	3	**Impact**	63	1	----
211 Catherine St	Syracuse	B - Residential	2	67	61	62	2	----	60	-1	----
226 Catherine St	Syracuse	B - Residential	1	67	62	64	2	----	63	1	----
303 Catherine St	Syracuse	B - Residential	9	67	60	60	-1	----	61	1	----
306 Catherine St	Syracuse	B - Residential	1	67	62	63	0	----	63	1	----
308 Catherine St	Syracuse	B - Residential	1	67	62	63	0	----	63	1	----
310 Catherine St	Syracuse	B - Residential	1	67	62	62	0	----	63	1	----
7731 Cecilia Rd	Cicero Town of	B - Residential	1	67	56	56	0	----	58	2	----
142 Cedar Heights Dr	De Witt Town of	B - Residential	1	67	59	60	1	----	61	2	----
144 Cedar Heights Dr	De Witt Town of	B - Residential	1	67	59	60	1	----	61	2	----
146 Cedar Heights Dr	De Witt Town of	B - Residential	1	67	60	61	1	----	63	2	----
148 Cedar Heights Dr	De Witt Town of	B - Residential	1	67	60	61	1	----	63	2	----
150 Cedar Heights Dr	De Witt Town of	B - Residential	1	67	60	61	1	----	63	3	----
220 Champlin Dr	Syracuse	B - Residential	1	67	59	59	0	----	59	0	----
224 Champlin Dr	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
231 Champlin Dr	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
312 Church St	North Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
315 Church St	North Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
316 Church St	North Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
318 Church St	North Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
319 Church St	North Syracuse	B - Residential	1	67	66	65	0	----	**66**	0	**Impact**
321 Church St	North Syracuse	B - Residential	1	67	67	**66**	0	**Impact**	**67**	0	**Impact**
322 Church St	North Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
323 Church St	North Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**68**	0	**Impact**
324 Church St	North Syracuse	B - Residential	1	67	69	**69**	-1	**Impact**	**69**	0	**Impact**
325 Church St	North Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
326 Church St	North Syracuse	B - Residential	1	67	71	**70**	0	**Impact**	**71**	0	**Impact**
401 Church St	North Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
413 Church St	North Syracuse	C - Park	10	67	69	**70**	0	**Impact**	**70**	0	**Impact**
416 Church St	North Syracuse	B - Residential	1	67	70	**71**	0	**Impact**	**70**	0	**Impact**
423 Church St	North Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
424 Church St	North Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
426 Church St	North Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
320 Church St (1 of 2)	North Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
320 Church St (2 of 2)	North Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
134 Circle Rd	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
136 Circle Rd	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
119 Clarence Dr	Cicero Town of	B - Residential	1	67	61	61	0	----	61	0	----
120 Clarence Dr	Cicero Town of	B - Residential	1	67	61	62	0	----	62	0	----
121 Clarence Dr	Cicero Town of	B - Residential	1	67	65	65	0	----	65	0	----
122 Clarence Dr	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
5700 Commons Park	De Witt Town of	B - Residential	2	67	64	65	1	----	**66**	2	**Impact**
5710 Commons Park	De Witt Town of	B - Residential	3	67	69	**69**	1	**Impact**	**71**	2	**Impact**
5730 Commons Park	De Witt Town of	B - Residential	2	67	63	64	1	----	65	2	----
5740 Commons Park	De Witt Town of	B - Residential	2	67	60	60	0	----	62	2	----
5750 Commons Park	De Witt Town of	B - Residential	2	67	59	60	1	----	61	2	----
5720 Commons Park Dr	De Witt Town of	B - Residential	2	67	65	**66**	1	**Impact**	**67**	2	**Impact**
940 Comstock Ave (1 of 5)	Syracuse	C - Cemetary	1	67	72	**72**	-1	**Impact**	**66**	-6	**Impact**
940 Comstock Ave (2 of 5)	Syracuse	C - Cemetery	1	67	70	**70**	0	**Impact**	65	-5	----
940 Comstock Ave (3 of 5)	Syracuse	C - Cemetery	1	67	67	**67**	0	**Impact**	62	-4	----
940 Comstock Ave (4 of 5)	Syracuse	C - Cemetery	1	67	67	**67**	1	**Impact**	63	-3	----
940 Comstock Ave (5 of 5)	Syracuse	C - Cemetery	1	67	65	**66**	1	**Impact**	62	-3	----
108 Cora Ave	Cicero Town of	B - Residential	1	67	56	56	0	----	56	0	----
109 Cora Ave	Cicero Town of	B - Residential	1	67	57	57	0	----	57	0	----
110 Cora Ave	Cicero Town of	B - Residential	1	67	56	56	0	----	56	0	----
111 Cora Ave	Cicero Town of	B - Residential	1	67	57	58	0	----	58	0	----
112 Cora Ave	Cicero Town of	B - Residential	1	67	56	56	0	----	57	0	----
113 Cora Ave	Cicero Town of	B - Residential	1	67	58	58	0	----	58	0	----
114 Cora Ave	Cicero Town of	B - Residential	1	67	57	57	0	----	58	1	----
115 Cora Ave	Cicero Town of	B - Residential	1	67	58	59	0	----	59	0	----
117 Cora Ave	Cicero Town of	B - Residential	1	67	60	60	0	----	60	0	----
119 Cora Ave	Cicero Town of	B - Residential	1	67	59	60	0	----	60	0	----
121 Cora Ave	Cicero Town of	B - Residential	1	67	58	59	0	----	59	1	----
123 Cora Ave	Cicero Town of	B - Residential	1	67	58	58	0	----	59	1	----
125 Cora Ave	Cicero Town of	B - Residential	1	67	57	57	0	----	58	1	----
146 Court St	Syracuse	B - Residential	1	67	71	**73**	2	**Impact**	**73**	1	**Impact**
154 Court St	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**69**	1	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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158 Court St	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
159 Court St	Syracuse	B - Residential	2	67	63	64	1	----	64	1	----
163 Court St	Syracuse	B - Residential	1	67	62	63	1	----	63	1	----
164 Court St	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
166 Court St	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**67**	1	**Impact**
167 Court St	Syracuse	B - Residential	1	67	62	63	1	----	62	1	----
171 Court St	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	**68**	1	**Impact**
6112 Crestview Dr	Cicero Town of	B - Residential	1	67	54	54	1	----	56	2	----
201 Danforth St	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**67**	0	**Impact**
205 Danforth St	Syracuse	B - Residential	1	67	65	**66**	0	**Impact**	65	0	----
209 Danforth St	Syracuse	B - Residential	1	67	65	**66**	0	**Impact**	**66**	0	**Impact**
213 Danforth St	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
217 Danforth St	Syracuse	B - Residential	1	67	68	**66**	-2	**Impact**	**68**	-1	**Impact**
5858 Deer Springs Rd	Cicero Town of	B - Residential	1	67	58	58	0	----	59	2	----
5860 Deer Springs Rd	Cicero Town of	B - Residential	1	67	58	58	0	----	60	2	----
200 Dexter Ave	Salina Town of	B - Residential	2	67	56	56	0	----	56	0	----
202 Dexter Ave	Salina Town of	B - Residential	1	67	56	57	0	----	56	0	----
203 Dexter Ave	Salina Town of	B - Residential	1	67	54	55	0	----	54	0	----
204 Dexter Ave	Salina Town of	B - Residential	1	67	57	57	0	----	57	0	----
205 Dexter Ave	Salina Town of	B - Residential	1	67	55	56	0	----	55	0	----
206 Dexter Ave	Salina Town of	B - Residential	1	67	58	58	0	----	58	0	----
208 Dexter Ave	Salina Town of	B - Residential	2	67	60	61	0	----	60	0	----
209 Dexter Ave	Salina Town of	B - Residential	1	67	56	57	0	----	57	0	----
210 Dexter Ave	Salina Town of	B - Residential	1	67	63	64	0	----	64	0	----
211 Dexter Ave	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
215 Dexter Ave	Salina Town of	B - Residential	2	67	62	62	0	----	62	0	----
100 Dougall Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**68**	-4	**Impact**
102 Dougall Ave	Syracuse	B - Residential	2	67	72	**73**	1	**Impact**	**68**	-4	**Impact**
106 Dougall Ave	Syracuse	B - Residential	1	67	72	**72**	1	**Impact**	**68**	-4	**Impact**
110 Dougall Ave	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**68**	-4	**Impact**
1011 E Adams St	Syracuse	B - Residential	3	67	47	48	1	----	48	1	----
258 E Adams St	Syracuse	C - School	2	67	66	**67**	1	**Impact**	**67**	1	**Impact**
507 E Adams St	Syracuse	B - Residential	5	67	60	63	3	----	59	-2	----
623 E Adams St	Syracuse	C - Hospital	2	67	69	**68**	0	**Impact**	**66**	-3	**Impact**
705 E Adams St	Syracuse	C - Hospital	2	67	74	**75**	1	**Impact**	**72**	-2	**Impact**
109 E Brighton Ave	Syracuse	B - Residential	1	67	65	65	0	----	63	-2	----
112 E Brighton Ave	Syracuse	B - Residential	2	67	66	**66**	-1	**Impact**	64	-2	----
113 E Brighton Ave	Syracuse	B - Residential	2	67	65	65	0	----	63	-2	----
117 E Brighton Ave	Syracuse	B - Residential	3	67	65	65	0	----	63	-2	----
118 E Brighton Ave	Syracuse	B - Residential	2	67	66	65	0	----	64	-2	----
121 E Brighton Ave	Syracuse	B - Residential	3	67	65	65	0	----	63	-2	----
122 E Brighton Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	64	-2	----
125 E Brighton Ave	Syracuse	B - Residential	2	67	65	65	0	----	63	-2	----
126 E Brighton Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	64	-2	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
129 E Brighton Ave	Syracuse	B - Residential	2	67	65	65	0	----	63	-2	----
130 E Brighton Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	65	-3	----
133 E Brighton Ave	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	64	-2	----
134 E Brighton Ave	Syracuse	B - Residential	2	67	69	**69**	0	**Impact**	**66**	-3	**Impact**
137 E Brighton Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	64	-3	----
138 E Brighton Ave	Syracuse	B - Residential	2	67	71	**71**	0	**Impact**	**69**	-3	**Impact**
143 E Brighton Ave	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	65	-3	----
145 E Brighton Ave	Syracuse	B - Residential	1	67	70	**71**	0	**Impact**	**67**	-4	**Impact**
302 E Brighton Ave	Syracuse	B - Residential	1	67	70	**71**	1	**Impact**	**68**	-2	**Impact**
308 E Brighton Ave	Syracuse	B - Residential	1	67	69	**70**	1	**Impact**	**67**	-2	**Impact**
312 E Brighton Ave	Syracuse	B - Residential	1	67	69	**69**	1	**Impact**	**66**	-2	**Impact**
322 E Brighton Ave	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	**66**	-2	**Impact**
329 E Brighton Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	65	-1	----
336 E Brighton Ave	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**66**	-3	**Impact**
348 E Brighton Ave	Syracuse	B - Residential	1	67	69	**70**	1	**Impact**	**66**	-3	**Impact**
352 E Brighton Ave	Syracuse	B - Residential	1	67	69	**70**	1	**Impact**	**67**	-3	**Impact**
366 E Brighton Ave	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	65	-3	----
370 E Brighton Ave	Syracuse	B - Residential	2	67	67	**68**	1	**Impact**	64	-3	----
374 E Brighton Ave	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	65	-3	----
408 E Brighton Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	63	-2	----
412 E Brighton Ave	Syracuse	B - Residential	1	67	58	61	2	----	59	0	----
414 E Brighton Ave	Syracuse	B - Residential	1	67	58	61	3	----	59	1	----
821 E Brighton Ave	Syracuse	B - Residential	10	67	60	60	0	----	59	-1	----
900 E Brighton Ave	Syracuse	B - Residential	1	67	62	61	-1	----	60	-2	----
930 E Brighton Ave	Syracuse	B - Residential	1	67	60	60	0	----	57	-3	----
934 E Brighton Ave	Syracuse	B - Residential	1	67	59	60	0	----	57	-3	----
944 E Brighton Ave	Syracuse	B - Residential	1	67	58	59	0	----	56	-2	----
320 E Castle St	Syracuse	B - Residential	2	67	69	65	-3	----	**68**	-1	**Impact**
408 E Castle St	Syracuse	B - Residential	2	67	71	**70**	-1	**Impact**	**69**	-2	**Impact**
225 E Colvin St	Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
228 E Colvin St	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	65	-1	----
230 E Colvin St	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	**66**	0	**Impact**
236 E Colvin St	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	**66**	0	**Impact**
240 E Colvin St	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	65	-1	----
244 E Colvin St	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	65	-1	----
246 E Colvin St	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	64	-2	----
304 E Colvin St	Syracuse	B - Residential	1	67	68	**68**	1	**Impact**	**66**	-2	**Impact**
308 E Colvin St	Syracuse	B - Residential	1	67	69	**70**	1	**Impact**	**66**	-3	**Impact**
310 E Colvin St	Syracuse	B - Residential	1	67	72	**72**	1	**Impact**	**68**	-4	**Impact**
317 E Colvin St	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**66**	-2	**Impact**
426 E Colvin St	Syracuse	B - Residential	1	67	72	**72**	1	**Impact**	**69**	-3	**Impact**
428 E Colvin St	Syracuse	B - Residential	1	67	69	**70**	1	**Impact**	**67**	-2	**Impact**
502 E Colvin St	Syracuse	B - Residential	1	67	68	**68**	1	**Impact**	**66**	-2	**Impact**
504 E Colvin St	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	64	-2	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
508 E Colvin St	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	64	-2	----
512 E Colvin St	Syracuse	B - Residential	1	67	65	65	1	----	63	-2	----
518 E Colvin St	Syracuse	B - Residential	1	67	63	63	1	----	60	-3	----
116 E Corning Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	62	-4	----
119 E Corning Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	61	-4	----
120 E Corning Ave	Syracuse	B - Residential	2	67	67	**68**	1	**Impact**	63	-4	----
123 E Corning Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	62	-5	----
1031 E Fayette St	Syracuse	B - Residential	3	67	54	56	2	----	57	3	----
420 E Fayette St	Syracuse	C - Park	4	67	65	**66**	2	**Impact**	**69**	5	**Impact**
447 E Fayette St	Syracuse	C - Outdoor Seating	2	67	63	65	2	----	65	3	----
511 E Fayette St	Syracuse	C - Educational	1	67	62	**68**	**7**	**Impact**	61	0	----
712 E Fayette St	Syracuse	B - Planned Residential	3	67	62	62	0	----	60	-2	----
713 E Fayette St	Syracuse	C - Outdoor Dining	1	67	63	63	0	----	63	-1	----
822 E Fayette St	Syracuse	C - Outside Sitting Area	4	67	60	60	0	----	**68**	**8**	**Impact**
900 E Fayette St	Syracuse	B - Residential	5	67	55	56	1	----	61	**6**	**Impact**
1000 E Genesee St	Syracuse	C - Medical	1	67	62	64	2	----	65	3	----
1030 E Genesee St	Syracuse	B - Residential	10	67	60	60	0	----	60	0	----
1055 E Genesee St	Syracuse	B - Residential	5	67	57	56	-1	----	56	-1	----
1060 E Genesee St	Syracuse	C - Outdoor Seating	5	67	62	61	-2	----	61	-1	----
1073 E Genesee St	Syracuse	C - Church	2	67	61	62	1	----	64	2	----
1100 E Genesee St	Syracuse	B - Planned Residential	2	67	62	62	0	----	63	1	----
1104 E Genesee St	Syracuse	C - Medical	1	67	60	60	0	----	61	1	----
1105 E Genesee St	Syracuse	B - Residential	3	67	64	64	0	----	65	1	----
1111 E Genesee St	Syracuse	B - Residential	2	67	62	63	0	----	63	1	----
500 E Genesee St	Syracuse	C - Park	1	67	63	64	2	----	**66**	3	**Impact**
701 E Genesee St	Syracuse	C - Park	4	67	71	**70**	0	**Impact**	**68**	-3	**Impact**
721 E Genesee St	Syracuse	C - Park	4	67	67	**66**	-1	**Impact**	64	-3	----
800 E Genesee St	Syracuse	C - Educational	10	67	49	51	1	----	49	-1	----
820 E Genesee St	Syracuse	C - Auditorium	1	67	67	**66**	-1	**Impact**	**69**	3	**Impact**
945 E Genesee St	Syracuse	C - Medical	2	67	59	61	2	----	63	4	----
1027 E Genesee St (1 of 2)	Syracuse	B - Residential	1	67	61	62	1	----	61	0	----
1027 E Genesee St (2 of 2)	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
413 E Glen Ave	Syracuse	B - Residential	5	67	66	**66**	1	**Impact**	63	-3	----
416 E Glen Ave -1	Syracuse	C - Medical	2	67	52	52	1	----	49	-2	----
416 E Glen Ave -2	Syracuse	B - Residential and Medical	5	67	66	**66**	0	**Impact**	64	-2	----
237 E Kennedy St	Syracuse	B - Residential	1	67	65	65	0	----	64	-1	----
304 E Kennedy St	Syracuse	B - Residential	1	67	63	62	-1	----	59	-5	----
306 E Kennedy St	Syracuse	B - Residential	1	67	64	64	-1	----	60	-5	----
308 E Kennedy St	Syracuse	B - Residential	1	67	66	65	-1	----	61	-5	----
312 E Kennedy St	Syracuse	B - Residential	2	67	70	**69**	-1	**Impact**	**66**	-5	**Impact**
313 E Kennedy St	Syracuse	B - Residential	2	67	71	**70**	-1	**Impact**	**66**	-5	**Impact**
114 E Lafayette Ave	Syracuse	B - Residential	2	67	63	64	1	----	60	-3	----
117 E Lafayette Ave	Syracuse	B - Residential	1	67	61	62	1	----	58	-3	----
120 E Lafayette Ave	Syracuse	B - Residential	1	67	64	65	1	----	60	-4	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
121 E Lafayette Ave	Syracuse	B - Residential	1	67	62	63	1	----	59	-3	----
122 E Lafayette Ave	Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	62	-4	----
123 E Lafayette Ave	Syracuse	B - Residential	2	67	64	64	1	----	60	-4	----
127 E Lafayette Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	62	-4	----
128 E Lafayette Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	62	-5	----
131 E Lafayette Ave	Syracuse	B - Residential	2	67	68	**68**	0	**Impact**	63	-5	----
104 E Laurel St	Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
119 E Matson Ave	Syracuse	B - Residential	1	67	58	59	1	----	55	-2	----
123 E Matson Ave	Syracuse	B - Residential	1	67	57	57	1	----	55	-2	----
124 E Matson Ave	Syracuse	B - Residential	1	67	57	58	1	----	55	-2	----
127 E Matson Ave	Syracuse	B - Residential	1	67	56	57	1	----	54	-2	----
128 E Matson Ave	Syracuse	B - Residential	1	67	57	57	1	----	55	-2	----
131 E Matson Ave	Syracuse	B - Residential	2	67	57	57	1	----	54	-3	----
134 E Matson Ave	Syracuse	B - Residential	1	67	57	58	1	----	54	-3	----
135 E Matson Ave	Syracuse	B - Residential	1	67	57	58	1	----	54	-3	----
138 E Matson Ave	Syracuse	B - Residential	1	67	57	58	1	----	54	-3	----
139 E Matson Ave	Syracuse	B - Residential	1	67	58	58	1	----	54	-3	----
142 E Matson Ave	Syracuse	B - Residential	1	67	58	58	1	----	54	-3	----
143 E Matson Ave	Syracuse	B - Residential	1	67	58	59	1	----	55	-4	----
144 E Matson Ave	Syracuse	B - Residential	1	67	58	59	1	----	55	-3	----
147 E Matson Ave	Syracuse	B - Residential	1	67	59	60	1	----	55	-4	----
148 E Matson Ave	Syracuse	B - Residential	1	67	59	60	1	----	55	-4	----
151 E Matson Ave	Syracuse	B - Residential	1	67	60	61	1	----	56	-4	----
156 E Matson Ave	Syracuse	B - Residential	1	67	61	61	1	----	56	-4	----
101 E Newell St	Syracuse	B - Residential	2	67	68	**68**	0	**Impact**	64	-4	----
102 E Newell St	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	63	-4	----
338 E Onondaga St	Syracuse	C - Place of Worship	1	67	59	56	-4	----	56	-3	----
345 E Onondaga St	Syracuse	C - Outdoor Seating	3	67	62	61	-1	----	62	0	----
100 E Ostrander Ave	Syracuse	B - Residential	1	67	60	61	1	----	58	-2	----
101 E Ostrander Ave	Syracuse	B - Residential	2	67	60	61	1	----	58	-3	----
102 E Ostrander Ave	Syracuse	B - Residential	1	67	60	60	1	----	57	-3	----
103 E Ostrander Ave	Syracuse	B - Residential	1	67	59	60	1	----	57	-3	----
104 E Ostrander Ave	Syracuse	B - Residential	1	67	60	61	1	----	57	-3	----
105 E Ostrander Ave	Syracuse	B - Residential	1	67	60	61	1	----	57	-3	----
106 E Ostrander Ave	Syracuse	B - Residential	1	67	61	61	1	----	58	-3	----
107 E Ostrander Ave	Syracuse	B - Residential	1	67	61	62	1	----	58	-3	----
108 E Ostrander Ave	Syracuse	B - Residential	1	67	62	63	1	----	59	-3	----
110 E Ostrander Ave	Syracuse	B - Residential	1	67	63	63	1	----	59	-4	----
111 E Ostrander Ave	Syracuse	B - Residential	1	67	63	64	1	----	59	-4	----
112 E Ostrander Ave	Syracuse	B - Residential	1	67	63	64	1	----	59	-4	----
409 E Raynor Ave	Syracuse	B - Residential	1	67	60	59	-1	----	59	-1	----
411 E Raynor Ave	Syracuse	B - Residential	1	67	61	59	-2	----	58	-2	----
413 E Raynor Ave	Syracuse	B - Residential	1	67	63	61	-2	----	59	-4	----
416 E Raynor Ave (Site 1 of 2)	Syracuse	C - School	5	67	63	61	-3	----	60	-3	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
416 E Raynor Ave (Site 2 of 2)	Syracuse	C - School	5	67	54	52	-2	----	47	-7	----
345 E Seneca Tpke	Syracuse	B - Residential	1	67	64	64	0	----	65	1	----
352 E Seneca Tpke	Syracuse	B - Residential	1	67	57	57	0	----	57	0	----
355 E Seneca Tpke	Syracuse	B - Residential	1	67	65	65	0	----	**66**	1	**Impact**
359 E Seneca Tpke	Syracuse	B - Residential	1	67	65	65	0	----	**66**	1	**Impact**
365 E Seneca Tpke	Syracuse	B - Residential	1	67	65	65	0	----	**66**	0	**Impact**
369 E Seneca Tpke	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
382 E Seneca Tpke	Syracuse	B - Residential	1	67	61	61	0	----	59	-2	----
390 E Seneca Tpke	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**69**	1	**Impact**
401 E Seneca Tpke	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
468 E Seneca Tpke	Syracuse	B - Residential	1	67	71	**70**	0	**Impact**	**69**	-2	**Impact**
470 E Seneca Tpke	Syracuse	B - Residential	1	67	69	**69**	0	**Impact**	**68**	-1	**Impact**
474 E Seneca Tpke	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
485 E Seneca Tpke	Syracuse	B - Residential	1	67	69	**69**	0	**Impact**	**66**	-3	**Impact**
491 E Seneca Tpke	Syracuse	B - Residential	1	67	67	**68**	0	**Impact**	**66**	-1	**Impact**
495 E Seneca Tpke	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
502 E Seneca Tpke	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
505 E Seneca Tpke	Syracuse	B - Residential	1	67	66	**67**	0	**Impact**	**67**	0	**Impact**
509 E Seneca Tpke	Syracuse	B - Residential	1	67	64	65	0	----	65	0	----
511 E Seneca Tpke	Syracuse	B - Residential	1	67	61	61	0	----	60	-1	----
516 E Seneca Tpke	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
6830 E Taft Rd	De Witt Town of	B - Residential	1	67	63	63	0	----	64	1	----
6841 E Taft Rd	Cicero Town of	B - Residential	1	67	68	**69**	0	**Impact**	**69**	1	**Impact**
6873 E Taft Rd	Cicero Town of	B - Residential	1	67	67	**67**	0	**Impact**	**68**	1	**Impact**
6876 E Taft Rd	De Witt Town of	B - Residential	1	67	62	63	0	----	63	1	----
6877 E Taft Rd	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**69**	1	**Impact**
6886 E Taft Rd	De Witt Town of	B - Residential	1	67	62	62	0	----	62	1	----
6893 E Taft Rd	Cicero Town of	B - Residential	1	67	66	**66**	0	**Impact**	**67**	1	**Impact**
6903 E Taft Rd	Cicero Town of	B - Residential	1	67	61	61	1	----	62	1	----
6874 E Taft Rd (1 of 2)	De Witt Town of	B - Residential	1	67	65	65	0	----	**66**	1	**Impact**
6874 E Taft Rd (2 of 2)	De Witt Town of	B - Residential	1	67	63	64	0	----	64	1	----
500 E Taylor St	Syracuse	C - Park	10	67	70	**69**	0	**Impact**	**69**	0	**Impact**
301 E Taylor St (1 of 3)	Syracuse	B - Residential	6	67	61	62	1	----	62	1	----
301 E Taylor St (2 of 3)	Syracuse	B - Residential	3	67	61	63	2	----	62	1	----
301 E Taylor St (3 of 3)	Syracuse	B - Residential	3	67	62	65	3	----	61	-1	----
1010 E Washington St	Syracuse	B - Residential	1	67	55	58	3	----	61	**6**	**Impact**
1104 E Washington St	Syracuse	C - Outdoor Sports	2	67	57	59	2	----	60	3	----
233 E Washington St	Syracuse	C - Outdoor Gathering Area	1	67	63	63	0	----	64	1	----
300 E Washington St	Syracuse	B - Planned Residential	2	67	61	62	1	----	62	1	----
301 E Washington St	Syracuse	C - Picnic Area	2	67	63	64	1	----	65	2	----
501 E Washington St	Syracuse	C - Outdoor Seating	1	67	65	**68**	3	**Impact**	**67**	2	**Impact**
727 E Washington St	Syracuse	C - School	2	67	66	**68**	2	**Impact**	65	0	----
100 E Water St	Syracuse	C - Outdoor Public Space	6	67	60	60	1	----	60	0	----
101 E Water St	Syracuse	C - Outdoor Seating	3	67	67	**66**	-1	**Impact**	**67**	0	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
103 E Water St	Syracuse	C - Park	5	67	70	**69**	0	**Impact**	**70**	0	**Impact**
1100 E Water St	Syracuse	C - Outdoor Sports	4	67	61	60	-1	----	61	1	----
1101 E Water St	Syracuse	C - Parks	2	67	67	**68**	1	**Impact**	**69**	2	**Impact**
1201 E Water St	Syracuse	C - Park	3	67	65	64	-1	----	64	-1	----
1301 E Water St	Syracuse	C - Park	1	67	65	65	-1	----	64	-1	----
135 E Water St	Syracuse	C - Outdoor Dining	1	67	63	63	0	----	64	1	----
139 E Water St	Syracuse	C - Outdoor Dining	1	67	65	**66**	1	**Impact**	**69**	4	**Impact**
207 E Water St	Syracuse	C - Outdoor Dining	1	67	61	62	1	----	61	0	----
257 E Water St	Syracuse	C - Outdoor Dining	1	67	68	**68**	0	**Impact**	**69**	1	**Impact**
301 E Water St	Syracuse	C - Outdoor Dining	1	67	67	**67**	0	**Impact**	**68**	1	**Impact**
311 E Water St	Syracuse	C - Outdoor Seating	2	67	63	63	1	----	61	-2	----
627 E Water St	Syracuse	C - Outdoor Seating	4	67	69	**74**	5	**Impact**	0	NA	Inactive
820 E Water St	Syracuse	B - Residential	1	67	56	59	3	----	0	NA	Inactive
870 E Water St	Syracuse	B - Residential	1	67	57	59	2	----	63	**6**	**Impact**
1000 E Water St (1 of 4)	Syracuse	B - Residential	1	67	63	64	1	----	65	1	----
1000 E Water St (2 of 4)	Syracuse	B - Residential	1	67	59	57	-2	----	59	0	----
1000 E Water St (3 of 4)	Syracuse	B - Residential	1	67	57	59	2	----	62	5	----
1000 E Water St (4 of 4)	Syracuse	B - Residential	1	67	60	62	2	----	65	5	----
301 E Willow St	Syracuse	C - Picnic Area	1	67	58	58	1	----	58	0	----
601 East Genesee St	Syracuse	C - Benches	1	67	67	**72**	5	**Impact**	62	-5	----
7178 Eastman Rd	Cicero Town of	B - Residential	1	67	59	60	1	----	63	4	----
7182 Eastman Rd	Cicero Town of	B - Residential	1	67	58	59	1	----	61	2	----
7183 Eastman Rd	Cicero Town of	B - Residential	2	67	58	58	1	----	60	2	----
7187 Eastman Rd	Cicero Town of	B - Residential	1	67	56	57	1	----	58	2	----
7192 Eastman Rd	Cicero Town of	B - Residential	1	67	57	58	1	----	59	2	----
7193 Eastman Rd	Cicero Town of	B - Residential	1	67	56	57	1	----	58	2	----
7198 Eastman Rd	Cicero Town of	B - Residential	1	67	57	57	1	----	58	2	----
7207 Eastman Rd	Cicero Town of	B - Residential	1	67	56	56	1	----	57	1	----
7212 Eastman Rd	Cicero Town of	B - Residential	1	67	57	57	1	----	58	1	----
7218 Eastman Rd	Cicero Town of	B - Residential	1	67	57	58	1	----	58	1	----
7224 Eastman Rd	Cicero Town of	B - Residential	1	67	57	58	1	----	59	2	----
7170 Eastman Rd (1 of 2)	Cicero Town of	B - Residential	1	67	59	59	1	----	65	**7**	**Impact**
7170 Eastman Rd (2 of 2)	Cicero Town of	B - Residential	1	67	59	60	1	----	64	5	----
EC Park 1, 5380 Butternut Dr	De Witt Town of	C - Park	3	67	67	**68**	0	**Impact**	**68**	1	**Impact**
EC Park 2, 5380 Butternut Dr	De Witt Town of	C - Park	1	67	63	63	0	----	64	1	----
100 Elizabeth Blackwell St	Syracuse	C - Medical	1	67	63	65	1	----	65	2	----
105 Elizabeth Blackwell St	Syracuse	B - Residential	10	67	64	64	1	----	**66**	2	**Impact**
175 Elizabeth Blackwell St	Syracuse	C - School	4	67	60	60	0	----	60	0	----
111 Elizabeth St	Syracuse	B - Residential	1	67	62	63	0	----	61	-1	----
202 Elizabeth St	Syracuse	B - Residential	1	67	64	64	1	----	61	-3	----
206 Elizabeth St	Syracuse	B - Residential	1	67	65	65	1	----	61	-4	----
211 Elizabeth St	Syracuse	B - Residential	2	67	66	**66**	1	**Impact**	62	-4	----
212 Elizabeth St	Syracuse	B - Residential	1	67	67	**67**	1	**Impact**	63	-4	----
215 Elizabeth St	Syracuse	B - Residential	2	67	67	**68**	1	**Impact**	63	-4	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
219 Elizabeth St	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	64	-4	----
223 Elizabeth St	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**67**	-5	**Impact**
204 Elk St	Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
205 Elk St	Syracuse	B - Residential	1	67	63	63	0	----	62	-1	----
206 Elk St	Syracuse	B - Residential	1	67	64	64	0	----	63	-1	----
207 Elk St	Syracuse	B - Residential	1	67	63	63	0	----	62	-1	----
208 Elk St	Syracuse	B - Residential	1	67	64	64	0	----	63	-1	----
209 Elk St	Syracuse	B - Residential	1	67	63	63	0	----	62	-1	----
210 Elk St	Syracuse	B - Residential	1	67	64	64	0	----	63	-1	----
211 Elk St	Syracuse	B - Residential	2	67	63	64	0	----	62	-2	----
212 Elk St	Syracuse	B - Residential	1	67	64	64	0	----	63	-1	----
213 Elk St	Syracuse	B - Residential	1	67	64	64	1	----	62	-2	----
214 Elk St	Syracuse	B - Residential	1	67	65	65	0	----	63	-1	----
215 Elk St	Syracuse	B - Residential	1	67	65	65	1	----	63	-2	----
218 Elk St	Syracuse	B - Residential	2	67	65	**66**	0	**Impact**	64	-2	----
222 Elk St	Syracuse	B - Residential	1	67	65	65	0	----	63	-2	----
228 Elk St	Syracuse	B - Residential	2	67	66	**66**	1	**Impact**	63	-2	----
232 Elk St	Syracuse	B - Residential	2	67	67	**68**	1	**Impact**	64	-3	----
236 Elk St	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	**66**	-4	**Impact**
305 Elm St	Syracuse	B - Residential	3	67	62	63	0	----	62	0	----
308 Elm St	Syracuse	B - Residential	4	67	59	59	0	----	59	0	----
311 Elm St	Syracuse	B - Residential	2	67	61	61	0	----	61	0	----
313 Elm St	Syracuse	B - Residential	3	67	60	60	0	----	60	0	----
315 Elm St	Syracuse	B - Residential	2	67	59	59	0	----	59	0	----
5705 Enterprise Pkwy	De Witt Town of	C - Picnic Area	1	67	62	63	0	----	64	1	----
5717 Enterprise Pkwy	De Witt Town of	C - Picnic Area	1	67	58	58	0	----	59	1	----
240 Erickson St	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
1101 Erie Blvd E	Syracuse	C - Medical	2	67	65	**66**	1	**Impact**	**66**	1	**Impact**
301 Erie Blvd E	Syracuse	C - Park	1	67	69	**71**	1	**Impact**	**68**	-1	**Impact**
3019 Erie Blvd E	Syracuse	C - Outdoor Seating	1	67	64	64	0	----	65	1	----
815 Erie Blvd E	Syracuse	C - Television Studio	2	67	65	64	-1	----	**71**	**6**	**Impact**
910 Erie Blvd E	Syracuse	C - Medical	2	67	62	62	0	----	**72**	**10**	**Impact**
500 Erie Blvd E (1 of 4)	Syracuse	C - Outdoor Seating	4	67	71	**71**	0	**Impact**	**68**	-4	**Impact**
500 Erie Blvd E (2 of 4)	Syracuse	C - Outdoor Seating	2	67	71	**72**	1	**Impact**	**69**	-2	**Impact**
500 Erie Blvd E (3 of 4)	Syracuse	C - Outdoor Seating	3	67	71	**71**	0	**Impact**	**69**	-2	**Impact**
500 Erie Blvd E (4 of 4)	Syracuse	C - Outdoor Seating	3	67	69	**73**	3	**Impact**	**70**	1	**Impact**
Erie Canalway Trail - 1	De Witt Town of	C - Trail	1	67	73	**73**	0	**Impact**	**74**	1	**Impact**
Erie Canalway Trail - 2	De Witt Town of	C - Trail	1	67	62	62	0	----	63	1	----
120 Evans St	Syracuse	C - Park/Trail	2	67	61	64	2	----	62	1	----
121 Exeter Ave	Salina Town of	B - Residential	1	67	54	54	0	----	54	0	----
123 Exeter Ave	Salina Town of	B - Residential	1	67	54	55	1	----	55	0	----
124 Exeter Ave	Salina Town of	B - Residential	1	67	53	54	1	----	54	0	----
125 Exeter Ave	Salina Town of	B - Residential	1	67	55	56	1	----	55	0	----
126 Exeter Ave	Salina Town of	B - Residential	1	67	54	55	1	----	55	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
127 Exeter Ave	Salina Town of	B - Residential	1	67	56	57	1	----	57	0	----
129 Exeter Ave	Salina Town of	B - Residential	1	67	58	59	0	----	59	0	----
130 Exeter Ave	Salina Town of	B - Residential	3	67	58	59	0	----	58	0	----
134 Exeter Ave	Salina Town of	B - Residential	1	67	62	63	0	----	63	0	----
128 Exeter Ave (1 of 2)	Salina Town of	B - Residential	1	67	55	56	1	----	55	0	----
131 Exeter Ave (1 of 2)	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
128 Exeter Ave (2 of 2)	Salina Town of	B - Residential	1	67	56	57	1	----	57	0	----
131 Exeter Ave (2 of 2)	Salina Town of	B - Residential	1	67	61	62	0	----	62	0	----
301 Fabious St (1 of 2)	Syracuse	B - Residential	6	67	59	60	1	----	61	2	----
301 Fabious St (2 of 2)	Syracuse	B - Residential	10	67	58	59	1	----	60	2	----
236 Fillmore Ave	Syracuse	B - Residential	1	67	57	58	0	----	57	0	----
300 Fillmore Ave	Syracuse	B - Residential	1	67	60	60	0	----	59	0	----
305 Fillmore Ave	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	63	-3	----
306 Fillmore Ave	Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
312 Fillmore Ave	Syracuse	C - Medical	5	67	43	43	1	----	41	-2	----
321 Fillmore Ave	Syracuse	B - Residential	1	67	71	**72**	1	**Impact**	**68**	-3	**Impact**
324 Fillmore Ave	Syracuse	B - Residential	1	67	75	**76**	1	**Impact**	**72**	-3	**Impact**
6766 Flametree Dr	De Witt Town of	B - Residential	1	67	61	62	1	----	63	2	----
6767 Flametree Dr	De Witt Town of	B - Residential	1	67	60	61	1	----	62	2	----
6772 Flametree Dr	De Witt Town of	B - Residential	1	67	61	62	1	----	63	2	----
6776 Flametree Dr	De Witt Town of	B - Residential	1	67	61	62	1	----	64	3	----
6778 Flametree Dr	De Witt Town of	B - Residential	1	67	62	63	1	----	64	2	----
6780 Flametree Dr	De Witt Town of	B - Residential	1	67	62	63	1	----	64	3	----
6782 Flametree Dr	De Witt Town of	B - Residential	1	67	62	63	1	----	64	3	----
6240 Fly Rd	De Witt Town of	B - Residential	1	67	62	62	0	----	63	1	----
6252 Fly Rd	De Witt Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
6260 Fly Rd	De Witt Town of	B - Residential	1	67	63	63	0	----	63	0	----
6264 Fly Rd	De Witt Town of	B - Residential	1	67	62	62	0	----	62	0	----
6620 Fly Road	East Syracuse	C - Medical and Park	5	67	70	**70**	0	**Impact**	**70**	0	**Impact**
106 Garfield Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	63	-5	----
110 Garfield Ave	Syracuse	B - Residential	3	67	67	**67**	0	**Impact**	62	-5	----
118 Garfield Ave	Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	62	-5	----
127 Garfield Ave	Syracuse	B - Residential	1	67	71	**71**	0	**Impact**	65	-6	----
131 Garfield Ave	Syracuse	B - Residential	1	67	71	**71**	0	**Impact**	65	-6	----
201 Garfield Ave	Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	64	-6	----
205 Garfield Ave	Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	64	-5	----
207 Garfield Ave	Syracuse	B - Residential	3	67	70	**71**	1	**Impact**	65	-5	----
210 Garfield Ave	Syracuse	B - Residential	1	67	64	65	0	----	60	-4	----
220 Garfield Ave	Syracuse	B - Residential	1	67	64	65	0	----	60	-4	----
221 Garfield Ave	Syracuse	B - Residential	1	67	70	**71**	1	**Impact**	65	-5	----
222 Garfield Ave	Syracuse	B - Residential	2	67	64	65	0	----	60	-4	----
227 Garfield Ave	Syracuse	B - Residential	2	67	71	**72**	1	**Impact**	**67**	-5	**Impact**
230 Garfield Ave	Syracuse	B - Residential	1	67	64	64	0	----	60	-4	----
233 Garfield Ave	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	64	-5	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
234 Garfield Ave	Syracuse	B - Residential	2	67	64	64	0	----	60	-4	----
235 Garfield Ave	Syracuse	B - Residential	1	67	63	64	1	----	59	-4	----
240 Garfield Ave	Syracuse	B - Residential	2	67	64	64	0	----	60	-4	----
244 Garfield Ave	Syracuse	B - Residential	2	67	64	64	0	----	60	-4	----
248 Garfield Ave	Syracuse	B - Residential	2	67	64	64	1	----	61	-3	----
300 Garfield Ave	Syracuse	B - Residential	1	67	64	64	0	----	61	-3	----
304 Garfield Ave	Syracuse	B - Residential	1	67	63	64	0	----	60	-3	----
308 Garfield Ave	Syracuse	B - Residential	1	67	63	63	0	----	59	-4	----
309 Garfield Ave	Syracuse	B - Residential	2	67	68	**68**	1	**Impact**	63	-5	----
310 Garfield Ave	Syracuse	B - Residential	2	67	63	63	1	----	59	-4	----
314 Garfield Ave	Syracuse	B - Residential	1	67	62	63	1	----	59	-3	----
317 Garfield Ave	Syracuse	B - Residential	2	67	69	**69**	1	**Impact**	64	-5	----
318 Garfield Ave	Syracuse	B - Residential	1	67	63	63	1	----	59	-3	----
323 Garfield Ave	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	64	-4	----
325 Garfield Ave	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	64	-4	----
328 Garfield Ave	Syracuse	B - Residential	1	67	64	65	1	----	60	-4	----
334 Garfield Ave	Syracuse	B - Residential	1	67	64	64	0	----	60	-3	----
335 Garfield Ave	Syracuse	B - Residential	3	67	66	**67**	1	**Impact**	62	-4	----
338 Garfield Ave	Syracuse	B - Residential	1	67	63	63	0	----	60	-4	----
341 Garfield Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	61	-4	----
342 Garfield Ave	Syracuse	B - Residential	1	67	62	63	0	----	59	-3	----
345 Garfield Ave	Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	61	-4	----
349 Garfield Ave	Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	61	-4	----
350 Garfield Ave	Syracuse	B - Residential	1	67	64	64	0	----	62	-2	----
351 Garfield Ave	Syracuse	B - Residential	1	67	64	65	1	----	60	-4	----
355 Garfield Ave	Syracuse	B - Residential	1	67	64	65	1	----	61	-3	----
400 Garfield Ave	Syracuse	C - Church	2	67	63	63	0	----	61	-2	----
407 Garfield Ave	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	62	-3	----
410 Garfield Ave	Syracuse	B - Residential	1	67	64	64	0	----	62	-1	----
414 Garfield Ave	Syracuse	B - Residential	4	67	67	**68**	1	**Impact**	**67**	0	**Impact**
508 Garfield Ave	Syracuse	B - Residential	1	67	63	64	1	----	61	-3	----
509 Garfield Ave	Syracuse	B - Residential	1	67	64	64	1	----	60	-4	----
512 Garfield Ave	Syracuse	B - Residential	1	67	62	63	1	----	60	-3	----
513 Garfield Ave	Syracuse	B - Residential	1	67	65	65	1	----	61	-4	----
516 Garfield Ave	Syracuse	B - Residential	1	67	62	63	1	----	60	-3	----
517 Garfield Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	61	-4	----
520 Garfield Ave	Syracuse	B - Residential	1	67	62	63	1	----	60	-3	----
521 Garfield Ave	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	62	-4	----
525 Garfield Ave	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	62	-4	----
529 Garfield Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	62	-3	----
114 Garfield Pl	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	65	-4	----
118 Garfield Pl	Syracuse	B - Residential	1	67	71	**72**	1	**Impact**	**67**	-4	**Impact**
320 Gateway Park Dr	North Syracuse	C - Picnic Area	3	67	66	**66**	0	**Impact**	**66**	0	**Impact**
311 Genant Dr	Syracuse	B - Planned Residential	10	67	68	**72**	5	**Impact**	**71**	3	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
103 Glass Ter	Syracuse	B - Residential	2	67	72	**73**	1	**Impact**	**68**	-5	**Impact**
104 Glass Ter	Syracuse	B - Residential	2	67	72	**73**	1	**Impact**	**67**	-5	**Impact**
7655 Glenview Dr	Cicero Town of	B - Residential	1	67	58	58	1	----	61	3	----
7659 Glenview Dr	Cicero Town of	B - Residential	1	67	57	57	1	----	60	4	----
7660 Glenview Dr	Cicero Town of	B - Residential	1	67	55	55	1	----	57	2	----
7663 Glenview Dr	Cicero Town of	B - Residential	1	67	56	57	1	----	60	4	----
7667 Glenview Dr	Cicero Town of	B - Residential	1	67	56	57	1	----	60	4	----
201 Gray Ave	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----
305 Gray Ave	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
317 Gray Ave	Salina Town of	B - Residential	2	67	63	63	0	----	63	0	----
320 Gray Ave	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
321 Gray Ave	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
103 Green St	Syracuse	B - Residential	3	67	65	65	0	----	**66**	1	**Impact**
115 Green St	Syracuse	B - Residential	1	67	59	59	0	----	61	2	----
117 Green St	Syracuse	B - Residential	3	67	58	58	0	----	60	2	----
235 Greenfield Pkwy	Salina Town of	C - School and Hospital	4	67	67	**66**	-1	**Impact**	**67**	0	**Impact**
301 Greenway Ave	Syracuse	B - Residential	2	67	64	64	0	----	65	0	----
303 Greenway Ave	Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
304 Greenway Ave	Syracuse	B - Residential	2	67	65	**66**	0	**Impact**	**66**	0	**Impact**
305 Greenway Ave	Syracuse	B - Residential	1	67	63	63	0	----	64	0	----
306 Greenway Ave	Syracuse	B - Residential	2	67	64	65	0	----	65	0	----
307 Greenway Ave	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
308 Greenway Ave	Syracuse	B - Residential	3	67	64	65	0	----	65	0	----
100 Grove St	North Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
101 Grove St	North Syracuse	B - Residential	1	67	67	**66**	0	**Impact**	**67**	0	**Impact**
102 Grove St	North Syracuse	B - Residential	1	67	70	**69**	0	**Impact**	**70**	0	**Impact**
103 Grove St	North Syracuse	B - Residential	1	67	67	**66**	0	**Impact**	**67**	0	**Impact**
105 Grove St	North Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
106 Grove St	North Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
109 Grove St	North Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
112 Grove St	North Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
113 Grove St	North Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
114 Grove St	North Syracuse	C - Park	10	67	72	**72**	0	**Impact**	**72**	0	**Impact**
115 Grove St	North Syracuse	B - Residential	1	67	64	64	0	----	65	0	----
116 Grove St	North Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
118 Grove St	North Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
6007 Hamilton Rd	Cicero Town of	B - Residential	1	67	59	60	1	----	62	2	----
6013 Hamilton Rd	Cicero Town of	B - Residential	1	67	60	61	0	----	62	2	----
6016 Hamilton Rd	Cicero Town of	B - Residential	1	67	63	63	0	----	64	1	----
6019 Hamilton Rd	Cicero Town of	B - Residential	1	67	59	60	1	----	62	3	----
6020 Hamilton Rd	Cicero Town of	B - Residential	1	67	63	63	1	----	64	1	----
6236 Harrington Dr	Cicero Town of	B - Residential	1	67	56	57	1	----	57	1	----
6244 Harrington Dr	Cicero Town of	B - Residential	1	67	56	57	1	----	57	1	----
431 Harrison St	Syracuse	C - Medical	2	67	68	**70**	2	**Impact**	**70**	1	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
500 Harrison St	Syracuse	B - Residential	10	67	67	**70**	2	**Impact**	**68**	1	**Impact**
513 Harrison St	Syracuse	B - Residential	10	67	64	63	0	----	58	-6	----
725 Harrison St	Syracuse	C - Hospital	4	67	61	62	2	----	63	2	----
906 Harrison St	Syracuse	C - Outdoor Dining	1	67	54	55	1	----	55	1	----
908 Harrison St	Syracuse	B - Planned Residential	3	67	56	57	1	----	58	1	----
763 Harrison St (1 of 2)	Syracuse	C - Hospital	4	67	56	57	1	----	56	1	----
763 Harrison St (2 of 2)	Syracuse	C - Hospital	4	67	62	61	-2	----	64	2	----
206 Hawley Ave	Syracuse	B - Residential	2	67	59	60	1	----	58	-1	----
209 Hawley Ave	Syracuse	B - Residential	7	67	46	46	0	----	46	0	----
218 Hawley Ave	Syracuse	B - Residential	2	67	60	61	1	----	60	0	----
220 Hawley Ave	Syracuse	B - Residential	1	67	60	61	2	----	60	0	----
222 Hawley Ave	Syracuse	B - Residential	2	67	60	62	2	----	60	0	----
300 Hawley Ave	Syracuse	B - Residential	2	67	62	64	2	----	63	1	----
304 Hawley Ave	Syracuse	B - Residential	1	67	59	60	1	----	60	1	----
306 Hawley Ave	Syracuse	B - Residential	1	67	58	58	1	----	59	1	----
308 Hawley Ave	Syracuse	B - Residential	2	67	61	62	1	----	60	-1	----
309 Hawley Ave	Syracuse	B - Residential	3	67	61	61	0	----	63	2	----
312 Hawley Ave	Syracuse	B - Residential	2	67	61	62	1	----	60	-1	----
314 Hawley Ave	Syracuse	B - Residential	2	67	61	62	1	----	60	-1	----
316 Hawley Ave	Syracuse	B - Residential	2	67	61	62	1	----	59	-1	----
318 Hawley Ave	Syracuse	B - Residential	2	67	60	62	1	----	59	-1	----
320 Hawley Ave	Syracuse	B - Residential	2	67	60	61	1	----	59	-1	----
322 Hawley Ave	Syracuse	B - Residential	3	67	59	61	1	----	58	-1	----
326 Hawley Ave	Syracuse	B - Residential	1	67	58	59	1	----	58	-1	----
330 Hawley Ave	Syracuse	B - Residential	3	67	57	58	1	----	57	0	----
332 Hawley Ave	Syracuse	B - Residential	1	67	58	58	1	----	58	1	----
400 Hawley Ave	Syracuse	B - Residential	1	67	60	60	0	----	61	1	----
402 Hawley Ave	Syracuse	B - Residential	1	67	60	59	0	----	60	1	----
404 Hawley Ave	Syracuse	B - Residential	2	67	57	58	0	----	58	1	----
406 Hawley Ave	Syracuse	B - Residential	2	67	59	59	0	----	61	2	----
408 Hawley Ave	Syracuse	B - Residential	1	67	60	60	0	----	62	2	----
412 Hawley Ave	Syracuse	B - Residential	2	67	60	60	0	----	62	2	----
414 Hawley Ave	Syracuse	B - Residential	2	67	60	60	0	----	62	2	----
418 Hawley Ave	Syracuse	B - Residential	2	67	60	60	0	----	62	2	----
422 Hawley Ave	Syracuse	B - Residential	1	67	61	61	0	----	62	2	----
426 Hawley Ave	Syracuse	B - Residential	1	67	61	61	0	----	62	2	----
428 Hawley Ave	Syracuse	B - Residential	2	67	61	61	0	----	62	2	----
430 Hawley Ave	Syracuse	B - Residential	3	67	61	61	0	----	63	2	----
436 Hawley Ave	Syracuse	B - Residential	1	67	61	61	0	----	63	2	----
442 Hawley Ave	Syracuse	B - Residential	1	67	62	62	0	----	64	2	----
444 Hawley Ave	Syracuse	B - Residential	2	67	62	62	0	----	64	2	----
516 Hawley Ave	Syracuse	B - Residential	1	67	58	58	0	----	59	1	----
518 Hawley Ave	Syracuse	B - Residential	2	67	57	57	0	----	57	0	----
520 Hawley Ave	Syracuse	B - Residential	2	67	60	60	0	----	61	1	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
524 Hawley Ave	Syracuse	B - Residential	1	67	63	62	-1	----	63	0	----
150 Henry St (1 of 2)	Syracuse	B - Residential	10	67	69	**68**	-1	**Impact**	**71**	2	**Impact**
150 Henry St (2 of 2)	Syracuse	B - Residential	10	67	53	54	0	----	61	**8**	**Impact**
212 Herald Pl	Syracuse	C - Planned Residential	3	67	62	0	NA	Inactive	63	0	----
5800 Heritage Landing Dr	De Witt Town of	B - Residential	5	67	66	**67**	0	**Impact**	**67**	1	**Impact**
5801 Heritage Landing Dr	De Witt Town of	B - Residential	5	67	64	65	0	----	65	1	----
5815 Heritage Landing Dr	De Witt Town of	B - Residential	1	67	64	64	0	----	65	1	----
5820 Heritage Landing Dr	De Witt Town of	B - Residential	5	67	61	61	0	----	62	1	----
5850 Heritage Landing Dr	De Witt Town of	B - Residential	5	67	61	62	0	----	63	1	----
5860 Heritage Landing Dr	De Witt Town of	B - Residential	5	67	65	65	0	----	**66**	1	**Impact**
519 Hillsdale Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
520 Hillsdale Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
524 Hillsdale Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
525 Hillsdale Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
529 Hillsdale Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
530 Hillsdale Ave	Syracuse	B - Residential	1	67	60	60	0	----	61	0	----
109 Hillview Dr	Salina Town of	B - Residential	1	67	72	**72**	0	**Impact**	**72**	0	**Impact**
111 Hobart Ave	Syracuse	B - Residential	1	67	56	56	1	----	54	-2	----
113 Hobart Ave	Syracuse	B - Residential	1	67	56	56	1	----	54	-2	----
114 Hobart Ave	Syracuse	B - Residential	1	67	57	57	1	----	55	-2	----
115 Hobart Ave	Syracuse	B - Residential	1	67	56	56	1	----	54	-2	----
116 Hobart Ave	Syracuse	B - Residential	1	67	56	57	1	----	54	-2	----
117 Hobart Ave	Syracuse	B - Residential	1	67	56	56	1	----	53	-2	----
118 Hobart Ave	Syracuse	B - Residential	1	67	56	57	1	----	54	-2	----
120 Hobart Ave	Syracuse	B - Residential	1	67	56	57	1	----	54	-2	----
122 Hobart Ave	Syracuse	B - Residential	1	67	56	57	1	----	54	-3	----
124 Hobart Ave	Syracuse	B - Residential	1	67	57	58	1	----	54	-3	----
129 Hobart Ave	Syracuse	B - Residential	1	67	56	57	1	----	53	-3	----
133 Hobart Ave	Syracuse	B - Residential	1	67	57	57	1	----	54	-3	----
137 Hobart Ave	Syracuse	B - Residential	1	67	57	58	1	----	54	-3	----
141 Hobart Ave	Syracuse	B - Residential	1	67	59	60	1	----	56	-3	----
145 Hobart Ave	Syracuse	B - Residential	1	67	60	61	1	----	57	-3	----
148 Hobart Ave	Syracuse	B - Residential	1	67	61	62	1	----	58	-3	----
149 Hobart Ave	Syracuse	B - Residential	1	67	63	64	1	----	59	-4	----
152 Hobart Ave	Syracuse	B - Residential	1	67	62	62	1	----	58	-4	----
204 Howard St	Syracuse	B - Residential	2	67	61	61	0	----	62	1	----
206 Howard St	Syracuse	B - Residential	2	67	59	59	0	----	60	1	----
207 Howard St	Syracuse	B - Residential	2	67	61	61	0	----	62	1	----
209 Howard St	Syracuse	B - Residential	1	67	61	61	0	----	62	1	----
210 Howard St	Syracuse	B - Residential	2	67	59	59	0	----	59	0	----
211 Howard St	Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
100 Irving Ave	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
108 Irving Ave	Salina Town of	B - Residential	1	67	60	61	0	----	60	0	----
116 Irving Ave	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
117 Irving Ave	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
118 Irving Ave	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----
134 Irving Ave	Salina Town of	B - Residential	2	67	62	62	0	----	62	0	----
136 Irving Ave	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----
137 Irving Ave	Salina Town of	B - Residential	1	67	60	60	0	----	60	0	----
140 Irving Ave	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
209 Irving Ave	Salina Town of	B - Residential	2	67	64	64	0	----	64	0	----
310 Irving Ave	Syracuse	C - Place of Worship	1	67	61	62	1	----	**68**	**7**	**Impact**
403 Irving Ave	Salina Town of	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
505 Irving Ave	Syracuse	C - School	1	67	68	**67**	-1	**Impact**	**71**	3	**Impact**
601 Irving Ave	Syracuse	C - Church	1	67	67	**68**	1	**Impact**	**69**	3	**Impact**
618 Irving Ave	Syracuse	C - School Outdoor Seating	8	67	66	**66**	0	**Impact**	**67**	2	**Impact**
710 Irving Ave	Syracuse	C - Hospital	2	67	67	**67**	1	**Impact**	**67**	0	**Impact**
722 Irving Ave	Syracuse	C - Outdoor Seating/Hospital	4	67	63	63	-1	----	**66**	3	**Impact**
725 Irving Ave	Syracuse	C - Outdoor Vendor	1	67	60	59	-1	----	61	2	----
745 Irving Ave	Syracuse	C - Medical University	4	67	57	56	-1	----	59	2	----
761 Irving Ave	Syracuse	C - School	1	67	62	60	-1	----	64	2	----
800 Irving Ave	Syracuse	C - Medical University	2	67	57	59	2	----	60	3	----
905 Irving Ave	Syracuse	C - Sports	5	67	58	63	5	----	56	-2	----
445 Irving Ave (1 of 2)	Syracuse	C - Hospital	2	67	73	**70**	-3	**Impact**	**73**	0	**Impact**
445 Irving Ave (2 of 2)	Syracuse	C - Outdoor Recreation	1	67	51	52	1	----	53	2	----
108 Isabella St	Syracuse	B - Residential	2	67	57	58	1	----	58	1	----
110 Isabella St	Syracuse	B - Residential	2	67	56	57	1	----	57	1	----
112 Isabella St	Syracuse	B - Residential	2	67	56	57	1	----	57	1	----
113 Isabella St	Syracuse	B - Residential	1	67	56	57	1	----	57	0	----
114 Isabella St	Syracuse	B - Residential	2	67	56	57	1	----	57	1	----
1004 James St	Syracuse	C - TV Studio	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
408 James St	Syracuse	B - Residential	4	67	67	**67**	0	**Impact**	**67**	0	**Impact**
423 James St	Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**67**	0	**Impact**
429 James St	Syracuse	C - Church	1	67	68	**67**	-1	**Impact**	**67**	-1	**Impact**
437 James St	Syracuse	C - Place of Worship	2	67	68	**67**	0	**Impact**	**67**	-1	**Impact**
447 James St	Syracuse	C - Medical	1	67	67	**66**	-1	**Impact**	**66**	-1	**Impact**
457 James St	Syracuse	B - Residential	1	67	67	**66**	-1	**Impact**	**66**	-1	**Impact**
469 James St	Syracuse	B - Residential	2	67	67	**67**	-1	**Impact**	**66**	-1	**Impact**
477 James St	Syracuse	B - Residential	2	67	68	**68**	-1	**Impact**	**67**	-1	**Impact**
480 James St	Syracuse	B - Residential	2	67	65	65	0	----	65	-1	----
501 James St	Syracuse	C - Place of Worship	2	67	65	64	0	----	64	-1	----
600 James St	Syracuse	B - Residential	3	67	67	**67**	0	**Impact**	**67**	0	**Impact**
614 James St	Syracuse	C - Outdoor Seating	1	67	65	65	0	----	**66**	0	**Impact**
615 James St	Syracuse	B - Residential	6	67	53	53	0	----	54	0	----
622 James St	Syracuse	B - Residential	3	67	66	65	0	----	**66**	0	**Impact**
708 James St	Syracuse	B - Residential	10	67	44	44	0	----	43	-1	----
709 James St	Syracuse	C - Place of Worship	2	67	65	65	-1	----	65	0	----
716 James St	Syracuse	C - Medical	1	67	62	61	-1	----	61	0	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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723 James St	Syracuse	C - Medical	1	67	60	60	0	----	60	0	----
736 James St	Syracuse	C - Place of Worship	2	67	61	61	-1	----	60	-1	----
753 James St	Syracuse	B - Residential	4	67	64	64	0	----	64	0	----
766 James St	Syracuse	B - Residential	6	67	67	**67**	0	**Impact**	**67**	0	**Impact**
815 James St	Syracuse	C - Medical	1	67	63	63	0	----	63	0	----
830 James St	Syracuse	B - Residential	10	67	64	63	0	----	63	0	----
847 James St	Syracuse	C - Medical	1	67	65	64	0	----	64	0	----
906 James St	Syracuse	B - Residential	10	67	62	62	-1	----	62	0	----
915 James St	Syracuse	B - Residential	6	67	63	63	-1	----	63	0	----
923 James St	Syracuse	B - Residential	6	67	63	63	-1	----	63	0	----
930 James St	Syracuse	C - Medical	1	67	60	59	-1	----	59	0	----
935 James St	Syracuse	C - Benches	2	67	64	64	-1	----	64	0	----
941 James St	Syracuse	B - Residential	4	67	63	63	-1	----	63	0	----
950 James St	Syracuse	C - Educational	2	67	59	58	0	----	59	0	----
953 James St	Syracuse	C - School	3	67	63	63	0	----	63	0	----
973 James St	Syracuse	C - Medical	2	67	63	63	0	----	63	0	----
995 James St	Syracuse	B - Residential	10	67	63	63	0	----	63	0	----
1600 Jamesville Ave	Syracuse	C - Outdoor Seating	1	67	60	61	1	----	61	1	----
5050 Jamesville Rd -1	De Witt Town of	C - Golf Course	4	67	65	**67**	2	**Impact**	**68**	3	**Impact**
5050 Jamesville Rd -2	De Witt Town of	C - Golf Course	4	67	68	**69**	2	**Impact**	**71**	3	**Impact**
5050 Jamesville Rd -3	De Witt Town of	C - Golf Course	4	67	67	**69**	1	**Impact**	**70**	3	**Impact**
106 Jericho Dr	Syracuse	B - Residential	4	67	61	61	1	----	58	-3	----
114 Jericho Dr	Syracuse	B - Residential	4	67	62	62	1	----	59	-3	----
122 Jericho Dr	Syracuse	B - Residential	4	67	62	63	1	----	59	-3	----
130 Jericho Dr	Syracuse	B - Residential	4	67	62	63	1	----	59	-3	----
132 Jericho Dr	Syracuse	B - Residential	2	67	63	63	1	----	60	-3	----
124 Kearney Ave	Salina Town of	B - Residential	1	67	54	54	1	----	54	0	----
126 Kearney Ave	Salina Town of	B - Residential	1	67	55	55	1	----	55	0	----
127 Kearney Ave	Salina Town of	B - Residential	1	67	56	57	0	----	57	0	----
131 Kearney Ave	Salina Town of	B - Residential	1	67	61	62	0	----	62	0	----
220 Kenedy St	Syracuse	C - Park	1	67	64	64	0	----	62	-2	----
6215 Kenlaren Cir	Cicero Town of	B - Residential	1	67	52	53	1	----	55	2	----
6217 Kenlaren Cir	Cicero Town of	B - Residential	1	67	56	57	1	----	59	3	----
6218 Kenlaren Cir	Cicero Town of	B - Residential	1	67	54	54	1	----	55	2	----
6219 Kenlaren Cir	Cicero Town of	B - Residential	1	67	56	57	1	----	59	2	----
6221 Kenlaren Cir	Cicero Town of	B - Residential	1	67	57	57	1	----	58	1	----
6223 Kenlaren Cir	Cicero Town of	B - Residential	1	67	57	57	1	----	58	1	----
6224 Kenlaren Cir	Cicero Town of	B - Residential	1	67	54	55	1	----	55	1	----
6225 Kenlaren Cir	Cicero Town of	B - Residential	1	67	57	57	1	----	58	1	----
6226 Kenlaren Cir	Cicero Town of	B - Residential	1	67	54	55	1	----	55	1	----
6227 Kenlaren Cir	Cicero Town of	B - Residential	1	67	57	57	1	----	58	1	----
6228 Kenlaren Cir	Cicero Town of	B - Residential	1	67	52	53	1	----	53	1	----
6229 Kenlaren Cir	Cicero Town of	B - Residential	1	67	57	58	1	----	58	1	----
6230 Kenlaren Cir	Cicero Town of	B - Residential	1	67	55	55	1	----	56	1	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
6233 Kenlaren Cir	Cicero Town of	B - Residential	1	67	57	57	1	----	58	1	----
113 Kennedy Ln	Cicero Town of	B - Residential	1	67	53	54	0	----	55	1	----
114 Kennedy Ln	Cicero Town of	B - Residential	1	67	54	54	0	----	56	2	----
115 Kennedy Ln	Cicero Town of	B - Residential	1	67	54	54	0	----	55	1	----
116 Kennedy Ln	Cicero Town of	B - Residential	1	67	54	55	0	----	56	2	----
117 Kennedy Ln	Cicero Town of	B - Residential	1	67	56	56	0	----	57	1	----
118 Kennedy Ln	Cicero Town of	B - Residential	1	67	56	56	0	----	57	1	----
6078 Kenneth Dr	Cicero Town of	B - Residential	1	67	61	62	0	----	65	3	----
6755 Kinne Rd	De Witt Town of	B - Residential	1	67	67	**68**	0	**Impact**	**68**	1	**Impact**
6769 Kinne Rd	De Witt Town of	B - Residential	1	67	69	**69**	0	**Impact**	**70**	1	**Impact**
6775 Kinne Rd	De Witt Town of	B - Residential	1	67	70	**71**	0	**Impact**	**71**	1	**Impact**
100 Kirkpatrick St	Syracuse	B - Residential	1	67	69	**70**	1	**Impact**	**70**	1	**Impact**
101 Kirkpatrick St	Syracuse	B - Residential	2	67	68	**70**	1	**Impact**	**70**	1	**Impact**
104 Kirkpatrick St	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	**66**	1	**Impact**
106 Kirkpatrick St	Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
107 Kirkpatrick St	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
207 Kirkpatrick St	Syracuse	B - Residential	1	67	61	62	1	----	62	0	----
209 Kirkpatrick St	Syracuse	B - Residential	2	67	61	62	1	----	62	1	----
211 Kirkpatrick St	Syracuse	B - Residential	1	67	61	62	1	----	62	1	----
213 Kirkpatrick St	Syracuse	B - Residential	2	67	60	61	1	----	61	1	----
217 Kirkpatrick St	Syracuse	B - Residential	2	67	59	60	1	----	60	1	----
431 Kirsch Dr	Salina Town of	B - Residential	1	67	65	65	0	----	65	0	----
433 Kirsch Dr	Salina Town of	B - Residential	1	67	65	65	0	----	65	0	----
435 Kirsch Dr	Salina Town of	B - Residential	1	67	65	65	0	----	65	0	----
228 Lafayette Rd to Saturn Dr	Syracuse	C - Day Care Center	2	67	55	56	1	----	56	0	----
7724 Langen Ln	Cicero Town of	B - Residential	1	67	58	58	0	----	59	1	----
7725 Langen Ln	Cicero Town of	B - Residential	1	67	58	58	0	----	59	1	----
7726 Langen Ln	Cicero Town of	B - Residential	1	67	58	59	0	----	59	0	----
7728 Langen Ln	Cicero Town of	B - Residential	1	67	58	59	0	----	59	0	----
7730 Langen Ln	Cicero Town of	B - Residential	1	67	59	59	0	----	59	0	----
7732 Langen Ln	Cicero Town of	B - Residential	1	67	60	60	0	----	59	0	----
5884 Lathrop Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	61	0	----
5892 Lathrop Dr	Cicero Town of	B - Residential	1	67	61	61	0	----	61	0	----
5900 Lathrop Dr	Cicero Town of	B - Residential	1	67	61	62	0	----	61	0	----
5914 Lathrop Dr	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
5924 Lathrop Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
5938 Lathrop Dr	Cicero Town of	B - Residential	1	67	65	65	0	----	65	0	----
134 Laurel Ave	Salina Town of	B - Residential	1	67	55	56	0	----	55	0	----
142 Laurel Ave	Salina Town of	B - Residential	1	67	57	57	0	----	57	0	----
145 Laurel Ave	Salina Town of	B - Residential	1	67	54	55	0	----	55	0	----
146 Laurel Ave	Salina Town of	B - Residential	2	67	60	61	0	----	61	0	----
147 Laurel Ave	Salina Town of	B - Residential	1	67	56	56	0	----	56	0	----
148 Laurel Ave	Salina Town of	B - Residential	1	67	58	58	0	----	58	0	----
149 Laurel Ave	Salina Town of	B - Residential	1	67	58	58	0	----	58	0	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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150 Laurel Ave	Salina Town of	B - Residential	1	67	60	60	0	----	60	0	----
152 Laurel Ave	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----
153 Laurel Ave	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
313 Leavenworth Ave	Syracuse	B - Residential	2	67	64	65	2	----	65	2	----
317 Leavenworth Ave	Syracuse	B - Residential	3	67	65	**66**	2	**Impact**	**66**	1	**Impact**
208 Leon St	Syracuse	B - Residential	1	67	67	65	-2	----	64	-3	----
212 Leon St	Syracuse	B - Residential	1	67	67	65	-2	----	64	-3	----
230 Leon St	Syracuse	B - Residential	1	67	67	65	-3	----	64	-3	----
234 Leon St	Syracuse	B - Residential	2	67	67	65	-3	----	64	-4	----
260 Leon St	Syracuse	B - Residential	1	67	68	65	-3	----	64	-4	----
264 Leon St	Syracuse	B - Residential	1	67	68	65	-3	----	64	-4	----
270 Leon St	Syracuse	B - Residential	2	67	69	**66**	-2	**Impact**	65	-4	----
274 Leon St	Syracuse	B - Residential	3	67	70	**68**	-2	**Impact**	**66**	-4	**Impact**
284 Leon St	Syracuse	B - Residential	1	67	71	**70**	-2	**Impact**	**66**	-5	**Impact**
324 Leonard St	Salina Town of	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
331 Leonard St	Salina Town of	B - Residential	1	67	65	65	0	----	65	0	----
7707 Lisa Ln	Cicero Town of	B - Residential	1	67	57	57	0	----	59	2	----
7710 Lisa Ln	Cicero Town of	B - Residential	1	67	60	60	0	----	62	2	----
7711 Lisa Ln	Cicero Town of	B - Residential	1	67	56	57	0	----	59	2	----
7714 Lisa Ln	Cicero Town of	B - Residential	1	67	59	59	1	----	62	3	----
7718 Lisa Ln	Cicero Town of	B - Residential	1	67	59	59	1	----	62	3	----
7720 Lisa Ln	Cicero Town of	B - Residential	1	67	59	59	0	----	62	3	----
7721 Lisa Ln	Cicero Town of	B - Residential	1	67	56	57	0	----	59	3	----
7722 Lisa Ln	Cicero Town of	B - Residential	1	67	59	59	0	----	61	2	----
7725 Lisa Ln	Cicero Town of	B - Residential	1	67	56	57	1	----	58	2	----
7729 Lisa Ln	Cicero Town of	B - Residential	1	67	55	56	0	----	58	2	----
7730 Lisa Ln	Cicero Town of	B - Residential	1	67	59	59	0	----	61	2	----
7733 Lisa Ln	Cicero Town of	B - Residential	1	67	55	55	0	----	57	2	----
7734 Lisa Ln	Cicero Town of	B - Residential	1	67	58	59	0	----	60	2	----
7737 Lisa Ln	Cicero Town of	B - Residential	1	67	53	54	0	----	55	1	----
7738 Lisa Ln	Cicero Town of	B - Residential	1	67	57	58	0	----	59	1	----
7740 Lisa Ln	Cicero Town of	B - Residential	1	67	55	55	0	----	57	1	----
7742 Lisa Ln	Cicero Town of	B - Residential	1	67	56	57	0	----	58	1	----
102 Lock Aly	Syracuse	B - Residential	1	67	62	64	2	----	64	2	----
108 Lock Aly	Syracuse	B - Residential	1	67	61	63	2	----	63	2	----
2217 Lodi St	Syracuse	B - Residential	2	67	61	62	1	----	62	1	----
2219 Lodi St	Syracuse	B - Residential	2	67	61	62	1	----	62	1	----
2221 Lodi St	Syracuse	B - Residential	2	67	61	62	1	----	62	1	----
2225 Lodi St	Syracuse	B - Residential	1	67	62	62	1	----	62	1	----
2227 Lodi St	Syracuse	B - Residential	1	67	63	63	1	----	63	1	----
2311 Lodi St	Syracuse	B - Residential	2	67	61	62	1	----	62	1	----
2313 Lodi St	Syracuse	B - Residential	1	67	61	62	1	----	62	1	----
2315 Lodi St	Syracuse	B - Residential	1	67	61	62	1	----	62	1	----
2317 Lodi St	Syracuse	B - Residential	1	67	68	**67**	-1	**Impact**	**68**	0	**Impact**

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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2319 Lodi St	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	**69**	0	**Impact**
2402 Lodi St	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	**66**	0	**Impact**
2403 Lodi St	Syracuse	B - Residential	1	67	63	65	1	----	64	1	----
2407 Lodi St	Syracuse	B - Residential	1	67	63	64	1	----	64	1	----
2408 Lodi St	Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
2409 Lodi St	Syracuse	B - Residential	2	67	63	64	1	----	64	1	----
2410 Lodi St	Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
2411 Lodi St	Syracuse	B - Residential	2	67	63	64	2	----	64	1	----
2412 Lodi St	Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
2414 Lodi St	Syracuse	B - Residential	2	67	63	63	0	----	63	0	----
2416 Lodi St	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
2418 Lodi St	Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
2419 Lodi St	Syracuse	B - Residential	2	67	60	61	1	----	61	1	----
2421 Lodi St	Syracuse	B - Residential	1	67	60	61	1	----	61	1	----
2422 Lodi St	Syracuse	B - Residential	2	67	62	62	0	----	61	0	----
2500 Lodi St	Syracuse	B - Residential	2	67	61	61	0	----	62	0	----
2504 Lodi St	Syracuse	B - Residential	1	67	61	61	0	----	62	0	----
2505 Lodi St	Syracuse	B - Residential	2	67	59	59	1	----	59	1	----
2506 Lodi St	Syracuse	B - Residential	1	67	61	61	0	----	62	0	----
2507 Lodi St	Syracuse	B - Residential	1	67	59	59	0	----	59	0	----
2508 Lodi St	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
2509 Lodi St	Syracuse	B - Residential	1	67	59	59	0	----	59	0	----
2511 Lodi St	Syracuse	B - Residential	2	67	60	60	0	----	60	0	----
2513 Lodi St	Syracuse	B - Residential	2	67	60	60	0	----	60	0	----
2515 Lodi St	Syracuse	B - Residential	1	67	61	61	1	----	61	1	----
2519 Lodi St	Syracuse	B - Residential	2	67	63	63	-1	----	63	0	----
2521 Lodi St	Syracuse	B - Residential	1	67	63	64	1	----	64	1	----
2523 Lodi St	Syracuse	B - Residential	1	67	64	65	1	----	65	1	----
2604 Lodi St	Syracuse	B - Residential	1	67	67	**66**	-1	**Impact**	**67**	0	**Impact**
2716 Lodi St	Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	**67**	2	**Impact**
300 Lodi St	Syracuse	C - Outdoor Vending	3	67	64	64	0	----	64	1	----
310 Lodi St	Syracuse	B - Residential	2	67	64	64	0	----	65	1	----
312 Lodi St	Syracuse	B - Residential	1	67	64	64	0	----	65	1	----
315 Lodi St	Syracuse	B - Residential	1	67	64	64	0	----	65	1	----
317 Lodi St	Syracuse	B - Residential	2	67	65	65	0	----	**66**	1	**Impact**
319 Lodi St	Syracuse	B - Residential	2	67	62	61	-1	----	62	0	----
2229 Lodi St (1 of 2)	Syracuse	B - Residential	1	67	65	65	0	----	**66**	0	**Impact**
2229 Lodi St (2 of 2)	Syracuse	B - Residential	1	67	64	65	1	----	65	1	----
205 Luther Ave	Salina Town of	B - Residential	2	67	75	**75**	1	**Impact**	**75**	0	**Impact**
207 Luther Ave	Salina Town of	B - Residential	1	67	72	**73**	1	**Impact**	**73**	0	**Impact**
109 Lynn Cir	Syracuse	B - Residential	1	67	57	58	0	----	57	-1	----
113 Lynn Cir	Syracuse	B - Residential	1	67	58	59	0	----	58	-1	----
117 Lynn Cir	Syracuse	B - Residential	1	67	60	60	0	----	59	-1	----
6745 Lyons St	De Witt Town of	B - Residential	1	67	63	64	0	----	64	1	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

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6747 Lyons St	De Witt Town of	B - Residential	1	67	64	65	0	----	65	1	----
200 Madison St	Syracuse	C - Arena	2	67	62	62	0	----	62	1	----
620 Madison St (1 of 2)	Syracuse	C - Hospital	4	67	55	56	1	----	47	-8	----
620 Madison St (2 of 2)	Syracuse	C - Hospital	4	67	58	55	-3	----	55	-3	----
308 Maltbie St	Syracuse	C - Trail	2	67	58	60	2	----	60	2	----
104 Manilla St	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
106 Manilla St	Syracuse	B - Residential	2	67	63	63	0	----	63	0	----
108 Manilla St	Syracuse	B - Residential	2	67	63	64	0	----	63	0	----
110 Manilla St	Syracuse	B - Residential	1	67	63	64	0	----	63	0	----
112 Manilla St	Syracuse	B - Residential	1	67	63	64	0	----	63	0	----
114 Manilla St	Syracuse	B - Residential	2	67	63	63	0	----	63	0	----
120 Manilla St	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
122 Manilla St	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
124 Manilla St	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
126 Manilla St	Syracuse	B - Residential	2	67	63	63	0	----	62	0	----
149 Manning Dr	Cicero Town of	B - Residential	1	67	61	61	0	----	61	0	----
150 Manning Dr	Cicero Town of	B - Residential	1	67	61	61	0	----	61	0	----
153 Manning Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
154 Manning Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
157 Manning Dr	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
158 Manning Dr	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
161 Manning Dr	Cicero Town of	B - Residential	1	67	66	**67**	0	**Impact**	**67**	0	**Impact**
162 Manning Dr	Cicero Town of	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
60 Marmot Cir	De Witt Town of	B - Residential	1	67	62	63	1	----	65	3	----
80 Marmot Cir	De Witt Town of	B - Residential	1	67	62	63	1	----	64	3	----
506 Marquette St	Syracuse	B - Residential	1	67	66	**68**	1	**Impact**	**67**	1	**Impact**
100 Marsh Dr	De Witt Town of	B - Residential	1	67	68	**69**	1	**Impact**	**70**	2	**Impact**
101 Marsh Dr	De Witt Town of	B - Residential	1	67	71	**72**	0	**Impact**	**73**	2	**Impact**
102 Marsh Dr	De Witt Town of	B - Residential	1	67	66	**66**	0	**Impact**	**67**	1	**Impact**
103 Marsh Dr	De Witt Town of	B - Residential	1	67	68	**68**	0	**Impact**	**69**	1	**Impact**
104 Marsh Dr	De Witt Town of	B - Residential	1	67	65	65	0	----	**66**	1	**Impact**
105 Marsh Dr	De Witt Town of	B - Residential	1	67	64	65	0	----	**66**	1	**Impact**
129 Marshall St	Syracuse	C - Outdoor Seating	2	67	60	59	-1	----	59	0	----
153 Marshall St	Syracuse	C - School	1	67	57	56	0	----	57	0	----
163 Marshall St	Syracuse	C - Outdoor Seating	2	67	60	59	-1	----	60	0	----
175 Marshall St	Syracuse	C - Outdoor Seating	3	67	62	62	0	----	63	1	----
107 Mather St	Syracuse	B - Residential	2	67	62	63	1	----	63	1	----
113 Mather St	Syracuse	B - Residential	1	67	61	62	1	----	62	1	----
114 Mather St	Syracuse	B - Residential	2	67	59	60	1	----	60	1	----
117 Mather St	Syracuse	B - Residential	1	67	61	62	0	----	62	0	----
106 Maywood Dr	Syracuse	B - Residential	1	67	62	62	0	----	60	-1	----
110 Maywood Dr	Syracuse	B - Residential	1	67	61	61	0	----	60	-2	----
112 Maywood Dr	Syracuse	B - Residential	1	67	61	61	0	----	59	-2	----
114 Maywood Dr	Syracuse	B - Residential	1	67	61	61	0	----	58	-2	----

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116 Maywood Dr	Syracuse	B - Residential	1	67	60	60	0	----	58	-2	----
118 Maywood Dr	Syracuse	B - Residential	1	67	60	60	0	----	58	-2	----
120 Maywood Dr	Syracuse	B - Residential	1	67	60	60	0	----	58	-2	----
122 Maywood Dr	Syracuse	B - Residential	1	67	59	59	0	----	57	-2	----
124 Maywood Dr	Syracuse	B - Residential	1	67	59	59	0	----	57	-2	----
126 Maywood Dr	Syracuse	B - Residential	1	67	58	59	0	----	57	-2	----
128 Maywood Dr	Syracuse	B - Residential	1	67	58	58	0	----	57	-1	----
130 Maywood Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
112 McAllister Ave	Syracuse	B - Residential	2	67	59	60	1	----	56	-4	----
114 McAllister Ave	Syracuse	B - Residential	1	67	59	60	1	----	56	-3	----
116 McAllister Ave	Syracuse	B - Residential	1	67	61	62	1	----	58	-3	----
117 McAllister Ave	Syracuse	B - Residential	2	67	60	60	1	----	57	-3	----
119 McAllister Ave	Syracuse	B - Residential	2	67	61	62	1	----	58	-3	----
120 McAllister Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	63	-3	----
121 McAllister Ave	Syracuse	B - Residential	1	67	64	64	0	----	62	-3	----
110 McClure Ave	Syracuse	B - Residential	1	67	65	**66**	0	**Impact**	63	-3	----
113 McClure Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	62	-4	----
114 McClure Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	63	-3	----
118 McClure Ave	Syracuse	B - Residential	3	67	67	**67**	0	**Impact**	63	-4	----
122 McClure Ave	Syracuse	B - Residential	2	67	69	**69**	0	**Impact**	65	-4	----
211 McKinley Ave	Syracuse	B - Residential	1	67	59	59	1	----	56	-3	----
213 McKinley Ave	Syracuse	B - Residential	1	67	59	60	1	----	56	-3	----
217 McKinley Ave	Syracuse	B - Residential	1	67	60	60	1	----	56	-3	----
218 McKinley Ave	Syracuse	B - Residential	1	67	60	61	1	----	57	-3	----
220 McKinley Ave	Syracuse	B - Residential	1	67	61	61	1	----	57	-4	----
221 McKinley Ave	Syracuse	B - Residential	1	67	60	61	1	----	57	-4	----
224 McKinley Ave	Syracuse	B - Residential	1	67	61	62	1	----	57	-4	----
227 McKinley Ave	Syracuse	B - Residential	2	67	61	62	1	----	58	-4	----
228 McKinley Ave	Syracuse	B - Residential	1	67	62	62	1	----	58	-4	----
232 McKinley Ave	Syracuse	B - Residential	1	67	63	64	1	----	59	-4	----
233 McKinley Ave	Syracuse	B - Residential	2	67	62	63	1	----	58	-4	----
236 McKinley Ave	Syracuse	B - Residential	2	67	64	65	1	----	60	-4	----
237 McKinley Ave	Syracuse	B - Residential	1	67	63	64	1	----	59	-4	----
241 McKinley Ave	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	61	-4	----
244 McKinley Ave	Syracuse	B - Residential	2	67	66	**67**	1	**Impact**	61	-5	----
245 McKinley Ave	Syracuse	B - Residential	2	67	66	**67**	1	**Impact**	62	-5	----
314 Melvin Dr	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
319 Melvin Dr	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
321 Melvin Dr	Salina Town of	B - Residential	1	67	59	59	0	----	59	0	----
323 Melvin Dr	Salina Town of	B - Residential	1	67	60	60	0	----	60	0	----
325 Melvin Dr	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
327 Melvin Dr	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
329 Melvin Dr	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
331 Melvin Dr	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
400 Melvin Dr	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
402 Melvin Dr	Salina Town of	B - Residential	1	67	64	64	0	----	64	0	----
404 Melvin Dr	Salina Town of	B - Residential	1	67	65	64	0	----	65	0	----
1 Member Way	Salina Town of	C - Outdoor Seating	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
102 Menlo Dr	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	63	-3	----
111 Menlo Dr	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**70**	-2	**Impact**
126 Menlo Dr	Syracuse	B - Residential	1	67	63	64	1	----	60	-3	----
200 Menlo Dr	Syracuse	B - Residential	1	67	60	60	1	----	58	-2	----
201 Menlo Dr	Syracuse	B - Residential	1	67	72	**73**	1	**Impact**	**69**	-3	**Impact**
203 Menlo Dr	Syracuse	B - Residential	1	67	71	**72**	1	**Impact**	**68**	-3	**Impact**
204 Menlo Dr	Syracuse	B - Residential	1	67	60	60	1	----	58	-1	----
205 Menlo Dr	Syracuse	B - Residential	1	67	70	**71**	1	**Impact**	**67**	-3	**Impact**
206 Menlo Dr	Syracuse	B - Residential	1	67	59	60	1	----	58	-1	----
231 Menlo Dr	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
209 Menlo Dr & Fillmore Ave	Syracuse	B - Residential	1	67	65	65	0	----	64	0	----
100 Michael Ave	Cicero Town of	B - Residential	1	67	76	**76**	0	**Impact**	**76**	0	**Impact**
102 Michael Ave	Cicero Town of	B - Residential	1	67	75	**76**	0	**Impact**	**75**	0	**Impact**
103 Michael Ave	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
104 Michael Ave	Cicero Town of	B - Residential	1	67	76	**76**	0	**Impact**	**76**	0	**Impact**
105 Michael Ave	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
106 Michael Ave	Cicero Town of	B - Residential	1	67	76	**76**	0	**Impact**	**76**	0	**Impact**
107 Michael Ave	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
108 Michael Ave	Cicero Town of	B - Residential	1	67	76	**76**	0	**Impact**	**76**	0	**Impact**
109 Michael Ave	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
110 Michael Ave	Cicero Town of	B - Residential	1	67	76	**76**	0	**Impact**	**76**	0	**Impact**
111 Michael Ave	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
112 Michael Ave	Cicero Town of	B - Residential	1	67	76	**76**	0	**Impact**	**76**	0	**Impact**
113 Michael Ave	Cicero Town of	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
114 Michael Ave	Cicero Town of	B - Residential	1	67	75	**75**	0	**Impact**	**75**	0	**Impact**
116 Michael Ave	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**74**	0	**Impact**
118 Michael Ave	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**74**	0	**Impact**
120 Michael Ave	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**74**	0	**Impact**
122 Michael Ave	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**73**	0	**Impact**
124 Michael Ave	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**73**	0	**Impact**
126 Michael Ave	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**73**	0	**Impact**
128 Michael Ave	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**74**	0	**Impact**
130 Michael Ave	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**74**	0	**Impact**
132 Michael Ave	Cicero Town of	B - Residential	1	67	71	**71**	0	**Impact**	**71**	0	**Impact**
149 Monroe St	Syracuse	C - Medical	2	67	64	**72**	**8**	**Impact**	61	-3	----
526 Mosley Dr	Syracuse	B - Residential	1	67	61	61	0	----	62	0	----
529 Mosley Dr	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
533 Mosley Dr	Syracuse	B - Residential	2	67	63	63	0	----	64	0	----
6746 Myers Rd	De Witt Town of	B - Residential	1	67	64	64	0	----	64	0	----
6756 Myers Rd	De Witt Town of	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
6782 Myers Rd	De Witt Town of	B - Residential	1	67	66	**67**	0	**Impact**	**67**	1	**Impact**
6796 Myers Rd	De Witt Town of	B - Residential	1	67	63	64	0	----	64	1	----
305 N Beech St	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
307 N Beech St	Syracuse	B - Residential	1	67	61	62	0	----	62	1	----
101 N Clinton St	Syracuse	C - Outdoor Seating	1	67	69	**71**	3	**Impact**	**71**	2	**Impact**
207 N Clinton St	Syracuse	C - Outdoor Dining	1	67	66	**71**	5	**Impact**	**70**	4	**Impact**
221 N Clinton St	Syracuse	C - Outdoor Dining	2	67	65	**70**	5	**Impact**	**69**	4	**Impact**
315 N Clinton St	Syracuse	B - Residential	1	67	67	**70**	3	**Impact**	**69**	2	**Impact**
800 N Clinton St	Syracuse	C - Planned Residential	7	67	61	65	5	----	65	4	----
214 N Crouse Ave	Syracuse	B - Residential	1	67	62	62	0	----	63	1	----
223 N Crouse Ave	Syracuse	B - Residential	2	67	63	63	0	----	65	2	----
415 N Franklin St	Syracuse	C - Park/Trail	2	67	66	**68**	2	**Impact**	**67**	1	**Impact**
428 N Franklin St	Syracuse	B - Residential	3	67	60	64	4	----	63	3	----
432 N Franklin St	Syracuse	B - Residential	3	67	52	54	3	----	55	3	----
433 N Franklin St	Syracuse	C - Outdoor Seating	1	67	59	62	3	----	62	3	----
460 N Franklin St	Syracuse	B - Residential	3	67	57	59	2	----	58	2	----
205 N McBride St	Syracuse	B - Residential	2	67	63	64	0	----	63	0	----
208 N McBride St	Syracuse	B - Residential	3	67	60	60	1	----	59	-1	----
209 N McBride St	Syracuse	B - Residential	1	67	63	63	0	----	62	0	----
300 N McBride St	Syracuse	B - Residential	8	67	64	**66**	2	**Impact**	**66**	2	**Impact**
304 N McBride St	Syracuse	B - Residential	2	67	63	64	1	----	64	0	----
306 N McBride St	Syracuse	B - Residential	2	67	63	64	1	----	63	0	----
100 N Salina St	Syracuse	C - Park	4	67	69	**70**	0	**Impact**	**70**	1	**Impact**
1001 N Salina St	Syracuse	C - Park	2	67	62	62	0	----	62	0	----
108 N Salina St	Syracuse	C - Outdoor Seating	1	67	69	**70**	0	**Impact**	**70**	0	**Impact**
319 N Salina St	Syracuse	C - Outdoor Seating	1	67	70	**69**	-1	**Impact**	**71**	1	**Impact**
344 N Salina St	Syracuse	C - Outdoor Market	1	67	64	**66**	2	**Impact**	**66**	1	**Impact**
401 N Salina St	Syracuse	C - Outdoor Dining	1	67	63	64	1	----	65	2	----
420 N Salina St	Syracuse	C - Park/Memorial	1	67	65	**66**	0	**Impact**	**66**	1	**Impact**
447 N Salina St	Syracuse	C - Outdoor Dining	1	67	64	**66**	2	**Impact**	**67**	2	**Impact**
478 N Salina St	Syracuse	C - Park with Benches	1	67	67	**68**	0	**Impact**	**68**	0	**Impact**
547 N Salina St	Syracuse	C - Outdoor Seating	2	67	59	60	1	----	59	1	----
701 N Salina St	Syracuse	B - Residential	2	67	63	64	1	----	65	2	----
713 N Salina St	Syracuse	B - Residential	4	67	62	64	2	----	64	2	----
717 N Salina St	Syracuse	B - Residential	2	67	62	64	2	----	64	2	----
727 N Salina St	Syracuse	B - Residential	1	67	61	63	2	----	63	2	----
745 N Salina St	Syracuse	B - Residential	3	67	59	62	3	----	61	2	----
751 N Salina St	Syracuse	B - Residential	1	67	60	62	3	----	61	2	----
753 N Salina St	Syracuse	B - Residential	1	67	60	62	3	----	61	2	----
755 N Salina St	Syracuse	B - Residential	3	67	60	62	2	----	62	2	----
827 N Salina St	Syracuse	B - Residential	2	67	58	59	1	----	59	1	----
835 N Salina St	Syracuse	B - Residential	2	67	57	58	1	----	58	1	----
841 N Salina St	Syracuse	B - Residential	2	67	57	58	1	----	57	1	----
843 N Salina St	Syracuse	B - Residential	2	67	56	57	1	----	57	1	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
847 N Salina St	Syracuse	B - Residential	2	67	56	57	1	----	57	1	----
1022 N State St	Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	**66**	1	**Impact**
1032 N State St	Syracuse	B - Residential	1	67	64	**66**	1	**Impact**	65	1	----
1034 N State St	Syracuse	B - Residential	2	67	65	**67**	1	**Impact**	**66**	1	**Impact**
1042 N State St	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**69**	1	**Impact**
1100 N State St	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**69**	1	**Impact**
1104 N State St	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	**70**	1	**Impact**
1108 N State St	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	**69**	1	**Impact**
1114 N State St	Syracuse	B - Residential	2	67	66	**67**	1	**Impact**	**67**	1	**Impact**
1116 N State St	Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	**66**	1	**Impact**
1118 N State St	Syracuse	B - Residential	3	67	65	**66**	1	**Impact**	65	1	----
1120 N State St	Syracuse	B - Residential	2	67	64	65	1	----	65	1	----
1122 N State St	Syracuse	B - Residential	3	67	63	64	1	----	64	1	----
1124 N State St	Syracuse	B - Residential	3	67	63	63	1	----	63	0	----
1126 N State St	Syracuse	B - Residential	2	67	63	63	0	----	63	0	----
1128 N State St	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
1130 N State St	Syracuse	B - Residential	2	67	63	64	0	----	64	0	----
1200 N State St	Syracuse	B - Residential	2	67	63	63	0	----	63	0	----
1204 N State St	Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
1206 N State St	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
1208 N State St	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
1210 N State St	Syracuse	B - Residential	2	67	61	61	0	----	61	0	----
1211 N State St	Syracuse	B - Residential	1	67	64	64	1	----	64	1	----
1212 N State St	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
1213 N State St	Syracuse	B - Residential	2	67	64	64	1	----	64	1	----
1214 N State St	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
1215 N State St	Syracuse	B - Residential	2	67	63	63	1	----	64	1	----
1216 N State St	Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
1217 N State St	Syracuse	B - Residential	2	67	63	63	1	----	63	1	----
1218 N State St	Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
1221 N State St	Syracuse	B - Residential	2	67	65	65	0	----	65	0	----
1222 N State St	Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
1224 N State St	Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
1228 N State St	Syracuse	B - Residential	3	67	62	62	0	----	62	0	----
1301 N State St	Syracuse	B - Residential	2	67	63	63	0	----	62	0	----
1303 N State St	Syracuse	B - Residential	1	67	63	63	1	----	63	1	----
1305 N State St	Syracuse	B - Residential	3	67	66	**66**	0	**Impact**	**66**	0	**Impact**
1309 N State St	Syracuse	B - Residential	1	67	63	64	1	----	64	1	----
1313 N State St	Syracuse	B - Residential	2	67	64	65	1	----	65	1	----
1317 N State St	Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
1319 N State St	Syracuse	B - Residential	2	67	63	64	1	----	64	1	----
1321 N State St	Syracuse	B - Residential	3	67	63	65	2	----	64	2	----
1323 N State St	Syracuse	B - Residential	2	67	63	65	2	----	65	2	----
1408 N State St	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1410 N State St	Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
1412 N State St	Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
1414 N State St	Syracuse	B - Residential	2	67	64	64	-1	----	64	0	----
1418 N State St	Syracuse	B - Residential	2	67	65	64	-1	----	64	0	----
1422 N State St	Syracuse	B - Residential	1	67	65	64	-1	----	64	-1	----
1424 N State St	Syracuse	B - Residential	2	67	65	64	-1	----	65	-1	----
1426 N State St	Syracuse	B - Residential	2	67	66	65	-2	----	**66**	-1	**Impact**
1500 N State St	Syracuse	C - Park	1	67	67	65	-1	----	**66**	-1	**Impact**
1505 N State St	Syracuse	B - Residential	2	67	63	64	1	----	64	1	----
1507 N State St	Syracuse	B - Residential	3	67	63	65	1	----	64	1	----
1509 N State St	Syracuse	B - Residential	3	67	63	64	1	----	64	1	----
1511 N State St	Syracuse	B - Residential	2	67	63	64	1	----	64	1	----
1513 N State St	Syracuse	B - Residential	3	67	63	64	1	----	64	1	----
214 N State St	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**67**	0	**Impact**
215 N State St	Syracuse	C - Church	2	67	59	59	0	----	60	1	----
401 N State St	Syracuse	C - School	3	67	70	**69**	-1	**Impact**	**67**	-3	**Impact**
429 N State St	Syracuse	C - Hospital	2	67	62	62	0	----	61	-1	----
503 N State St	Syracuse	B - Residential	2	67	63	64	1	----	63	1	----
505 N State St	Syracuse	B - Residential	2	67	63	64	1	----	63	1	----
507 N State St	Syracuse	B - Residential	3	67	62	63	1	----	62	1	----
509 N State St	Syracuse	B - Residential	1	67	62	63	1	----	63	1	----
521 N State St	Syracuse	B - Residential	2	67	62	63	1	----	63	1	----
525 N State St	Syracuse	B - Residential	2	67	62	63	1	----	63	1	----
705 N State St	Syracuse	C - Outdoor Vendor	1	67	59	63	4	----	64	4	----
912 N State St	Syracuse	B - Residential	1	67	64	**69**	4	**Impact**	**66**	2	**Impact**
914 N State St	Syracuse	B - Residential	2	67	65	**69**	3	**Impact**	**67**	2	**Impact**
924 N State St	Syracuse	B - Residential	2	67	67	**69**	2	**Impact**	**69**	2	**Impact**
201 N Townsend St	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**66**	-1	**Impact**
202 N Townsend St	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	65	-1	----
204 N Townsend St	Syracuse	B - Residential	2	67	66	64	-1	----	63	-2	----
206 N Townsend St	Syracuse	B - Residential	1	67	65	64	-1	----	63	-3	----
207 N Townsend St	Syracuse	B - Residential	3	67	61	60	-1	----	60	-2	----
212 N Townsend St	Syracuse	B - Residential	3	67	61	60	-1	----	60	-1	----
205 N West St	Syracuse	B - Residential	1	67	65	63	-2	----	64	-1	----
606 Nichols Ave (1 of 2)	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
606 Nichols Ave (2 of 2)	Syracuse	B - Residential	1	67	75	**75**	0	**Impact**	**75**	0	**Impact**
149 Northern Concourse	Salina Town of	C - Outdoor Seating	1	67	63	64	0	----	64	0	----
151 Northern Concourse	Salina Town of	C - Outdoor Seating	1	67	66	**66**	0	**Impact**	**67**	0	**Impact**
401 Northern Lights Plz	Salina Town of	C - Outdoor Dining	1	67	69	**70**	0	**Impact**	**69**	0	**Impact**
113 Norwood Ave E	Salina Town of	B - Residential	1	67	60	60	0	----	60	0	----
115 Norwood Ave E	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
116 Norwood Ave E	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
118 Norwood Ave E	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----
121 Norwood Ave E	Salina Town of	B - Residential	2	67	62	62	0	----	62	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
122 Norwood Ave E	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
123 Norwood Ave E	Salina Town of	B - Residential	1	67	61	62	0	----	61	0	----
124 Norwood Ave E	Salina Town of	B - Residential	1	67	64	64	0	----	64	0	----
125 Norwood Ave E	Salina Town of	B - Residential	1	67	62	62	0	----	62	0	----
126 Norwood Ave E	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
128 Norwood Ave E	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
102 Oak St	Syracuse	B - Residential	2	67	67	**68**	0	**Impact**	**67**	0	**Impact**
108 Oak St	Syracuse	B - Residential	1	67	64	65	0	----	64	0	----
142 Oakland St (1 of 2)	Syracuse	B - Residential	10	67	68	**69**	1	**Impact**	63	-5	----
142 Oakland St (2 of 2)	Syracuse	B - Residential	10	67	62	61	-1	----	58	-4	----
117 Oakley Dr	North Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
119 Oakley Dr	North Syracuse	B - Residential	1	67	64	63	0	----	64	0	----
120 Oakley Dr	North Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
121 Oakley Dr	North Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
122 Oakley Dr	North Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
123 Oakley Dr	North Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**67**	0	**Impact**
124 Oakley Dr	North Syracuse	B - Residential	1	67	66	65	0	----	**66**	0	**Impact**
125 Oakley Dr	North Syracuse	B - Residential	1	67	70	**69**	-1	**Impact**	**70**	0	**Impact**
126 Oakley Dr	North Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**68**	0	**Impact**
127 Oakley Dr	North Syracuse	B - Residential	1	67	73	**72**	-1	**Impact**	**73**	0	**Impact**
128 Oakley Dr	North Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
129 Oakley Dr	North Syracuse	B - Residential	1	67	76	**75**	-1	**Impact**	**75**	0	**Impact**
130 Oakley Dr	North Syracuse	B - Residential	1	67	73	**72**	0	**Impact**	**73**	0	**Impact**
132 Oakley Dr	North Syracuse	B - Residential	1	67	76	**76**	-1	**Impact**	**76**	0	**Impact**
515 Oakwood Ave	Syracuse	C - Church	2	67	64	62	-2	----	60	-4	----
535 Oakwood Ave	Syracuse	B - Residential	1	67	64	61	-2	----	59	-5	----
545 Oakwood Ave	Syracuse	B - Residential	2	67	64	62	-2	----	59	-5	----
552 Oakwood Ave	Syracuse	B - Residential	2	67	62	60	-1	----	59	-3	----
553 Oakwood Ave	Syracuse	B - Residential	1	67	63	62	-2	----	59	-5	----
557 Oakwood Ave	Syracuse	C - Church	1	67	62	60	-1	----	60	-2	----
560 Oakwood Ave	Syracuse	B - Residential	2	67	61	60	-1	----	59	-3	----
566 Oakwood Ave	Syracuse	B - Residential	1	67	61	60	-1	----	59	-2	----
571 Oakwood Ave	Syracuse	B - Residential	1	67	63	62	-2	----	59	-5	----
572 Oakwood Ave	Syracuse	B - Residential	2	67	62	61	-1	----	60	-2	----
603 Oakwood Ave	Syracuse	B - Residential	2	67	62	61	-1	----	58	-4	----
617 Oakwood Ave	Syracuse	B - Residential	1	67	62	61	0	----	59	-3	----
620 Oakwood Ave	Syracuse	B - Residential	2	67	62	62	0	----	60	-2	----
623 Oakwood Ave	Syracuse	B - Residential	2	67	62	62	0	----	59	-3	----
626 Oakwood Ave	Syracuse	B - Residential	1	67	63	62	0	----	59	-3	----
631 Oakwood Ave	Syracuse	B - Residential	2	67	66	65	-1	----	61	-5	----
632 Oakwood Ave	Syracuse	B - Residential	1	67	64	64	0	----	60	-4	----
633 Oakwood Ave	Syracuse	B - Residential	1	67	67	**66**	-1	**Impact**	62	-5	----
637 Oakwood Ave	Syracuse	B - Residential	2	67	70	**69**	-1	**Impact**	65	-5	----
203 Old 7th North St	Salina Town of	B - Residential	1	67	64	64	0	----	64	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
105 Old Liverpool Rd	Salina Town of	B - Residential	1	67	59	59	-1	----	59	-1	----
107 Old Liverpool Rd	Salina Town of	B - Residential	1	67	59	58	-1	----	58	-1	----
110 Old Liverpool Rd	Salina Town of	C - Outdoor Dining	1	67	61	61	0	----	61	0	----
1223 Old Stonehouse Rd	De Witt Town of	B - Residential	2	67	59	60	1	----	61	2	----
1235 Old Stonehouse Rd	De Witt Town of	B - Residential	2	67	66	**67**	1	**Impact**	**68**	2	**Impact**
7951 Oldfield Way	Cicero Town of	B - Residential	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
7955 Oldfield Way	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**73**	0	**Impact**
7959 Oldfield Way	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**73**	0	**Impact**
101 Otis St	Salina Town of	B - Residential	1	67	61	61	0	----	61	0	----
103 Otis St	Salina Town of	B - Residential	2	67	62	63	0	----	63	0	----
104 Otis St	Salina Town of	B - Residential	2	67	60	61	0	----	61	0	----
106 Otis St	Salina Town of	B - Residential	2	67	60	60	0	----	60	0	----
109 Otis St	Salina Town of	B - Residential	2	67	61	62	0	----	62	0	----
103 Otisco St	Syracuse	C - Childrens Center	3	67	57	55	-2	----	57	0	----
107 Park Ave	Syracuse	B - Residential	2	67	65	64	-1	----	64	-1	----
109 Park Ave	Syracuse	B - Residential	2	67	65	64	-1	----	64	-1	----
2100 Park St	Syracuse	C - Outdoor Dining	1	67	69	**67**	-1	**Impact**	**69**	0	**Impact**
503 Pearl St	Syracuse	C - Park/Seating	1	67	68	**69**	1	**Impact**	**70**	1	**Impact**
339 Peat St	Syracuse	C - Picnic Area	1	67	61	61	0	----	61	0	----
6450 Pheasant Rd	De Witt Town of	B - Residential	1	67	63	63	0	----	64	2	----
6451 Pheasant Rd	De Witt Town of	B - Residential	1	67	72	**73**	0	**Impact**	**75**	2	**Impact**
5923 Pine Grove Rd E	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**74**	0	**Impact**
5929 Pine Grove Rd E	Cicero Town of	B - Residential	1	67	67	**68**	0	**Impact**	**68**	0	**Impact**
5932 Pine Grove Rd E	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**73**	0	**Impact**
7923 Pine Grove Rd E	Cicero Town of	B - Residential	1	67	65	65	0	----	65	0	----
5948 Pine Grove Rd E (1 of 2)	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
5948 Pine Grove Rd E (2 of 2)	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
5883 Pine Grove Rd W	Cicero Town of	B - Residential	1	67	61	61	0	----	62	1	----
5887 Pine Grove Rd W	Cicero Town of	B - Residential	1	67	63	64	0	----	64	1	----
5895 Pine Grove Rd W	Cicero Town of	B - Residential	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
5899 Pine Grove Rd W	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**72**	0	**Impact**
310 Plum St	Syracuse	B - Residential	3	67	60	**66**	**6**	**Impact**	**66**	**6**	**Impact**
312 Plum St	Syracuse	C - Church/Playground	1	67	63	**68**	5	**Impact**	**67**	4	**Impact**
490 Plum St	Syracuse	C - Picnic Area	1	67	63	65	2	----	65	2	----
501 Plum St	Syracuse	C - Park/Trail	2	67	62	64	2	----	64	1	----
515 Plum St	Syracuse	C - Trail	2	67	54	57	3	----	56	3	----
5937 Pony Ln	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
5941 Pony Ln	Cicero Town of	B - Residential	1	67	62	63	0	----	63	0	----
5945 Pony Ln	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
50 Presidential Ct	Syracuse	B - Residential	10	67	64	**68**	4	**Impact**	55	-9	----
512 Prospect Ave	Syracuse	C - Public Bench	1	67	57	58	1	----	57	1	----
1300 Rams Gulch Rd	De Witt Town of	B - Residential	1	67	62	63	1	----	64	2	----
1302 Rams Gulch Rd	De Witt Town of	B - Residential	1	67	64	65	1	----	**66**	2	**Impact**
1304 Rams Gulch Rd	De Witt Town of	B - Residential	1	67	64	64	1	----	**66**	2	**Impact**

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
11 Reddick Dr	North Syracuse	B - Residential	1	67	64	63	0	----	64	0	----
15 Reddick Dr	North Syracuse	B - Residential	1	67	62	61	0	----	62	0	----
5 Reddick Dr	North Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
7 Reddick Dr	North Syracuse	B - Residential	1	67	64	63	0	----	64	0	----
325 Renwick Ave	Syracuse	C - Medical University	3	67	61	61	0	----	56	-5	----
426 Richfield Blvd	Salina Town of	B - Residential	1	67	63	63	0	----	63	0	----
6104 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	59	59	1	----	60	1	----
6108 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	59	59	1	----	60	1	----
6109 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	58	59	1	----	60	1	----
6112 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	59	59	1	----	60	1	----
6113 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	57	57	1	----	58	2	----
6115 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	56	57	1	----	58	2	----
6116 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	59	59	1	----	60	1	----
6120 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	59	59	1	----	60	1	----
6121 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	56	57	1	----	58	2	----
6124 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	58	59	1	----	59	1	----
6125 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	56	57	1	----	57	1	----
6128 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	58	58	1	----	59	1	----
6129 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	56	56	1	----	57	1	----
6132 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	58	58	1	----	59	1	----
6133 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	55	56	1	----	56	1	----
6136 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	57	58	1	----	58	1	----
6137 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	55	55	1	----	56	1	----
6140 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	57	57	1	----	58	1	----
6141 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	55	55	1	----	56	1	----
6144 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	56	57	1	----	57	1	----
6145 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	55	55	1	----	56	1	----
6149 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	55	56	1	----	56	1	----
6152 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	55	56	1	----	57	1	----
6156 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	55	56	1	----	56	1	----
6160 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	55	55	1	----	56	1	----
6164 Ridgecrest Dr	Syracuse	B - Residential	1	67	54	55	1	----	55	1	----
6168 Ridgecrest Dr	Syracuse	B - Residential	1	67	54	54	1	----	55	1	----
6172 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	54	54	1	----	55	1	----
6176 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	53	54	1	----	54	1	----
6180 Ridgecrest Dr	Cicero Town of	B - Residential	1	67	52	53	1	----	53	1	----
5843 Rita Ln	Cicero Town of	B - Residential	1	67	62	63	0	----	62	-1	----
5847 Rita Ln	Cicero Town of	B - Residential	1	67	61	61	0	----	60	-1	----
5848 Rita Ln	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
5851 Rita Ln	Cicero Town of	B - Residential	1	67	59	60	0	----	59	-1	----
6148 Rock Cut Rd	De Witt Town of	B - Residential	1	67	63	63	1	----	64	2	----
6153 Rock Cut Rd	De Witt Town of	B - Residential	2	67	64	65	1	----	**66**	2	**Impact**
6156 Rock Cut Rd	De Witt Town of	B - Residential	1	67	63	64	1	----	64	1	----
6160 Rock Cut Rd	De Witt Town of	B - Residential	1	67	63	64	1	----	64	1	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
6169 Rock Cut Rd	De Witt Town of	B - Residential	1	67	65	65	1	----	**67**	2	**Impact**
6173 Rock Cut Rd	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6177 Rock Cut Rd	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6181 Rock Cut Rd	De Witt Town of	B - Residential	3	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6201 Rock Cut Rd	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 01	De Witt Town of	B - Residential	1	67	62	63	1	----	64	2	----
6120 Rock Cut Rd -Tlpk 02	De Witt Town of	B - Residential	1	67	63	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 03	De Witt Town of	B - Residential	1	67	63	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 04	De Witt Town of	B - Residential	1	67	64	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 05	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 06	De Witt Town of	B - Residential	1	67	68	**69**	1	**Impact**	**70**	2	**Impact**
6120 Rock Cut Rd -Tlpk 07	De Witt Town of	B - Residential	1	67	67	**68**	1	**Impact**	**69**	2	**Impact**
6120 Rock Cut Rd -Tlpk 08	De Witt Town of	B - Residential	1	67	69	**70**	1	**Impact**	**71**	2	**Impact**
6120 Rock Cut Rd -Tlpk 09	De Witt Town of	B - Residential	1	67	69	**70**	1	**Impact**	**71**	2	**Impact**
6120 Rock Cut Rd -Tlpk 10	De Witt Town of	B - Residential	1	67	68	**69**	1	**Impact**	**70**	2	**Impact**
6120 Rock Cut Rd -Tlpk 11	De Witt Town of	B - Residential	1	67	66	**67**	1	**Impact**	**68**	2	**Impact**
6120 Rock Cut Rd -Tlpk 12	De Witt Town of	B - Residential	1	67	63	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 13	De Witt Town of	B - Residential	1	67	63	64	1	----	64	1	----
6120 Rock Cut Rd -Tlpk 14	De Witt Town of	B - Residential	1	67	63	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 15	De Witt Town of	B - Residential	1	67	64	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 16	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 17	De Witt Town of	B - Residential	1	67	67	**68**	1	**Impact**	**69**	2	**Impact**
6120 Rock Cut Rd -Tlpk 18	De Witt Town of	B - Residential	1	67	67	**68**	1	**Impact**	**69**	2	**Impact**
6120 Rock Cut Rd -Tlpk 19	De Witt Town of	B - Residential	1	67	64	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 20	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 21	De Witt Town of	B - Residential	1	67	64	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 22	De Witt Town of	B - Residential	1	67	66	**67**	1	**Impact**	**68**	2	**Impact**
6120 Rock Cut Rd -Tlpk 23	De Witt Town of	B - Residential	1	67	64	64	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 24	De Witt Town of	B - Residential	1	67	64	65	1	----	**66**	2	**Impact**
6120 Rock Cut Rd -Tlpk 25	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 26	De Witt Town of	B - Residential	1	67	63	64	1	----	65	2	----
6120 Rock Cut Rd -Tlpk 27	De Witt Town of	B - Residential	1	67	66	**66**	1	**Impact**	**68**	2	**Impact**
6120 Rock Cut Rd -Tlpk 28	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 29	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 30	De Witt Town of	B - Residential	1	67	66	**66**	1	**Impact**	**68**	2	**Impact**
6120 Rock Cut Rd -Tlpk 31	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
6120 Rock Cut Rd -Tlpk 32	De Witt Town of	B - Residential	1	67	66	**66**	1	**Impact**	**68**	2	**Impact**
6120 Rock Cut Rd -Tlpk 33	De Witt Town of	B - Residential	1	67	65	65	1	----	**67**	2	**Impact**
122 Rose Ave	Syracuse	B - Residential	2	67	62	59	-3	----	56	-6	----
127 Rose Ave	Syracuse	B - Residential	1	67	61	59	-2	----	57	-5	----
132 Rose Ave	Syracuse	B - Residential	1	67	62	59	-2	----	57	-4	----
141 Rose Ave	Syracuse	B - Residential	2	67	62	60	-3	----	58	-4	----
142 Rose Ave	Syracuse	B - Residential	2	67	64	62	-2	----	61	-4	----
145 Rose Ave	Syracuse	B - Residential	2	67	63	61	-2	----	59	-4	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
125 Roxann Ave	North Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
201 Roxann Ave	North Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
204 Roxann Ave	North Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
205 Roxann Ave	North Syracuse	B - Residential	1	67	65	64	0	----	64	0	----
208 Roxann Ave	North Syracuse	B - Residential	1	67	65	64	0	----	65	0	----
209 Roxann Ave	North Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
212 Roxann Ave	North Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
213 Roxann Ave	North Syracuse	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
216 Roxann Ave	North Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**68**	0	**Impact**
217 Roxann Ave	North Syracuse	B - Residential	1	67	70	**69**	-1	**Impact**	**69**	0	**Impact**
220 Roxann Ave	North Syracuse	B - Residential	1	67	68	**68**	-1	**Impact**	**68**	0	**Impact**
221 Roxann Ave	North Syracuse	B - Residential	1	67	72	**72**	-1	**Impact**	**72**	0	**Impact**
224 Roxann Ave	North Syracuse	B - Residential	1	67	71	**70**	-1	**Impact**	**71**	0	**Impact**
225 Roxann Ave	North Syracuse	B - Residential	1	67	72	**72**	-1	**Impact**	**72**	0	**Impact**
114 Roxboro Cir	Salina Town of	B - Residential	2	67	62	63	0	----	63	0	----
118 Roxboro Cir	Salina Town of	B - Residential	2	67	60	60	0	----	60	0	----
120 Roxboro Cir	Salina Town of	B - Residential	2	67	66	**67**	0	**Impact**	**67**	0	**Impact**
121 Roxboro Cir	Salina Town of	B - Residential	2	67	63	63	0	----	63	0	----
122 Roxboro Cir	Salina Town of	B - Residential	2	67	68	**68**	0	**Impact**	**68**	0	**Impact**
123 Roxboro Cir	Salina Town of	B - Residential	2	67	63	64	0	----	63	0	----
124 Roxboro Cir	Salina Town of	B - Residential	2	67	67	**67**	0	**Impact**	**67**	0	**Impact**
125 Roxboro Cir	Salina Town of	B - Residential	3	67	66	**66**	0	**Impact**	**66**	0	**Impact**
Roxboro Middle School-01	Salina Town of	C - School and Sports Fields	10	67	62	63	0	----	62	0	----
Roxboro Middle School-02	Salina Town of	C - School and Sports Fields	10	67	66	**66**	0	**Impact**	**66**	0	**Impact**
100 S Clinton St	Syracuse	C - Outdoor Seating	1	67	67	**69**	2	**Impact**	**69**	2	**Impact**
119 S Clinton St	Syracuse	C - Park	2	67	62	63	2	----	64	2	----
250 S Clinton St	Syracuse	C - Park	1	67	65	**67**	2	**Impact**	**69**	4	**Impact**
307 S Clinton St	Syracuse	C - Outdoor Dining	1	67	70	**71**	1	**Impact**	**72**	2	**Impact**
313 S Clinton St	Syracuse	C - Outdoor Dining	2	67	68	**69**	1	**Impact**	**70**	1	**Impact**
318 S Clinton St	Syracuse	C - Outdoor Dining	3	67	65	**66**	1	**Impact**	**66**	1	**Impact**
400 S Clinton St	Syracuse	C - Outdoor Dining	2	67	59	60	0	----	60	1	----
401 S Clinton St	Syracuse	C - Outdoor Dining	2	67	66	**67**	2	**Impact**	**68**	3	**Impact**
550 S Clinton St	Syracuse	B - Residential	10	67	65	**66**	0	**Impact**	**67**	2	**Impact**
520 S Collingwood Ave	Syracuse	B - Residential	2	67	59	59	0	----	59	0	----
523 S Collingwood Ave	Syracuse	B - Residential	1	67	59	59	0	----	59	0	----
527 S Collingwood Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
528 S Collingwood Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
529 S Collingwood Ave	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
539 S Collingwood Ave	Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**68**	0	**Impact**
301 S Crouse Ave	Syracuse	C - Outdoor Vendor	1	67	64	65	1	----	**67**	3	**Impact**
309 S Crouse Ave	Syracuse	B - Residential	1	67	60	62	2	----	64	4	----
310 S Crouse Ave	Syracuse	C - Medical	1	67	53	55	1	----	57	4	----
410 S Crouse Ave	Syracuse	B - Residential	5	67	60	62	3	----	65	5	----
501 S Crouse Ave	Syracuse	B - Residential	8	67	54	59	5	----	62	**8**	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
614 S Crouse Ave	Syracuse	B - Residential Outdoor Seating	3	67	54	55	1	----	57	2	----
649 S Crouse Ave	Syracuse	C - Bench	1	67	61	60	0	----	61	0	----
727 S Crouse Ave	Syracuse	C - Outdoor Seating	2	67	53	53	0	----	55	2	----
732 S Crouse Ave	Syracuse	C - Outdoor Dining	3	67	55	54	0	----	56	2	----
737 S Crouse Ave	Syracuse	C - Benches	2	67	61	61	0	----	61	0	----
746 S Crouse Ave	Syracuse	C - Outdoor Seating	3	67	59	59	0	----	59	0	----
801 S Crouse Ave	Syracuse	C - School	1	67	53	53	0	----	54	1	----
802 S Crouse Ave	Syracuse	C - Outdoor Dining	3	67	57	56	-1	----	58	1	----
520 S Edwards Ave	Syracuse	B - Residential	2	67	59	59	0	----	59	0	----
523 S Edwards Ave	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
528 S Edwards Ave	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
529 S Edwards Ave	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
1101 S McBride St	Syracuse	C - Playground	2	67	65	64	0	----	61	-4	----
1406 S McBride St	Syracuse	C - Youth Center	3	67	60	59	-2	----	57	-4	----
1409 S McBride St	Syracuse	B - Residential	1	67	66	63	-3	----	61	-5	----
1423 S McBride St	Syracuse	B - Residential	1	67	66	62	-4	----	61	-5	----
1425 S McBride St	Syracuse	B - Residential	1	67	66	62	-4	----	61	-4	----
1427 S McBride St	Syracuse	B - Residential	1	67	66	62	-4	----	61	-4	----
1429 S McBride St	Syracuse	B - Residential	1	67	65	62	-4	----	61	-4	----
1430 S McBride St	Syracuse	B - Residential	1	67	65	62	-3	----	61	-4	----
1432 S McBride St	Syracuse	B - Residential	1	67	65	63	-3	----	62	-3	----
1434 S McBride St	Syracuse	B - Residential	1	67	66	63	-3	----	63	-2	----
1435 S McBride St	Syracuse	B - Residential	1	67	66	62	-4	----	62	-4	----
1055 S McBride St (01 of 16)	Syracuse	B - Residential	8	67	64	64	1	----	62	-2	----
1055 S McBride St (02 of 16)	Syracuse	B - Residential	10	67	67	**66**	-1	**Impact**	63	-4	----
1055 S McBride St (03 of 16)	Syracuse	B - Residential	10	67	71	**70**	-1	**Impact**	**69**	-1	**Impact**
1055 S McBride St (04 of 16)	Syracuse	B - Residential	9	67	63	63	0	----	58	-5	----
1055 S McBride St (05 of 16)	Syracuse	B - Residential	2	67	65	64	0	----	60	-4	----
1055 S McBride St (06 of 16)	Syracuse	B - Residential	2	67	70	**69**	-1	**Impact**	**69**	-1	**Impact**
1055 S McBride St (07 of 16)	Syracuse	B - Residential	1	67	69	**68**	-1	**Impact**	**67**	-2	**Impact**
1055 S McBride St (08 of 16)	Syracuse	B - Residential	6	67	62	62	0	----	57	-5	----
1055 S McBride St (09 of 16)	Syracuse	B - Residential	2	67	64	64	0	----	59	-5	----
1055 S McBride St (10 of 16)	Syracuse	B - Residential	1	67	69	**69**	-1	**Impact**	**68**	-2	**Impact**
1055 S McBride St (11 of 16)	Syracuse	B - Residential	6	67	61	62	1	----	56	-5	----
1055 S McBride St (12 of 16)	Syracuse	B - Residential	8	67	65	64	0	----	59	-5	----
1055 S McBride St (13 of 16)	Syracuse	B - Residential	6	67	69	**69**	-1	**Impact**	**68**	-2	**Impact**
1055 S McBride St (14 of 16)	Syracuse	B - Residential	8	67	62	62	0	----	57	-5	----
1055 S McBride St (15 of 16)	Syracuse	B - Residential	8	67	65	65	0	----	60	-5	----
1055 S McBride St (16 of 16)	Syracuse	B - Residential	8	67	69	**68**	-1	**Impact**	**67**	-2	**Impact**
523 S Midler Ave	Syracuse	B - Residential	2	67	68	**68**	0	**Impact**	**67**	0	**Impact**
524 S Midler Ave	Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**67**	-1	**Impact**
528 S Midler Ave	Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**67**	-1	**Impact**
101 S Salina St	Syracuse	C - Outdoor Seating	3	67	66	**66**	1	**Impact**	**66**	0	**Impact**
200 S Salina St	Syracuse	C - Park	3	67	63	64	1	----	**66**	2	**Impact**

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
201 S Salina St	Syracuse	C - Outdoor Dining	3	67	66	**66**	0	**Impact**	**68**	3	**Impact**
2905 S Salina St	Syracuse	B - Residential	2	67	61	62	1	----	58	-3	----
2907 S Salina St	Syracuse	B - Residential	1	67	62	62	1	----	59	-3	----
2915 S Salina St	Syracuse	B - Residential	2	67	62	63	1	----	59	-3	----
2924 S Salina St	Syracuse	B - Residential	1	67	64	65	1	----	65	1	----
2925 S Salina St	Syracuse	B - Residential	2	67	62	63	1	----	59	-3	----
2929 S Salina St	Syracuse	B - Residential	2	67	64	65	1	----	64	1	----
2930 S Salina St	Syracuse	B - Residential	2	67	64	65	1	----	64	1	----
3001 S Salina St	Syracuse	B - Residential	2	67	62	63	1	----	59	-3	----
3002 S Salina St	Syracuse	B - Residential	1	67	63	64	1	----	63	0	----
3009 S Salina St	Syracuse	B - Residential	2	67	63	64	1	----	60	-3	----
301 S Salina St	Syracuse	C - Outdoor Seating	1	67	69	**69**	0	**Impact**	**70**	2	**Impact**
3016 S Salina St	Syracuse	B - Residential	1	67	64	65	1	----	65	0	----
3017 S Salina St	Syracuse	B - Residential	1	67	65	65	1	----	61	-3	----
3023 S Salina St	Syracuse	B - Residential	1	67	64	65	1	----	61	-3	----
3100 S Salina St	Syracuse	C - Medical	1	67	64	65	1	----	62	-2	----
3101 S Salina St	Syracuse	B - Residential	1	67	65	65	1	----	62	-3	----
3109 S Salina St	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	62	-3	----
3123 S Salina St	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	64	-4	----
3205 S Salina St	Syracuse	B - Residential	1	67	68	**68**	1	**Impact**	64	-4	----
3223 S Salina St	Syracuse	B - Residential	2	67	70	**71**	0	**Impact**	**66**	-4	**Impact**
3304 S Salina St	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**66**	-1	**Impact**
3308 S Salina St	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	65	-1	----
3311 S Salina St	Syracuse	B - Residential	1	67	69	**70**	0	**Impact**	65	-4	----
3315 S Salina St	Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	64	-4	----
3317 S Salina St	Syracuse	B - Residential	1	67	67	**68**	0	**Impact**	63	-4	----
3318 S Salina St	Syracuse	B - Residential	2	67	66	**67**	1	**Impact**	65	-1	----
3320 S Salina St	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	65	-1	----
3321 S Salina St	Syracuse	B - Residential	1	67	67	**67**	1	**Impact**	63	-4	----
3330 S Salina St	Syracuse	B - Residential	2	67	66	**67**	1	**Impact**	65	-1	----
3400 S Salina St	Syracuse	B - Residential	1	67	64	65	1	----	63	-1	----
3401 S Salina St	Syracuse	B - Residential	2	67	62	63	1	----	59	-3	----
3406 S Salina St	Syracuse	B - Residential	3	67	66	**67**	1	**Impact**	65	0	----
3407 S Salina St	Syracuse	B - Residential	2	67	61	62	1	----	58	-3	----
3411 S Salina St	Syracuse	B - Residential	2	67	61	62	1	----	58	-3	----
3414 S Salina St	Syracuse	B - Residential	1	67	64	**66**	1	**Impact**	64	-1	----
3415 S Salina St	Syracuse	B - Residential	2	67	60	61	1	----	58	-3	----
3420 S Salina St	Syracuse	B - Residential	1	67	66	**67**	1	**Impact**	**66**	0	**Impact**
3501 S Salina St	Syracuse	B - Residential	2	67	57	58	1	----	55	-2	----
401 S Salina St	Syracuse	C - Outdoor Seating	1	67	68	**67**	-1	**Impact**	**69**	1	**Impact**
482 S Salina St	Syracuse	C - Public Sitting Area	1	67	65	65	0	----	**67**	2	**Impact**
484 S Salina St	Syracuse	C - Outdoor Seating	1	67	65	**66**	1	**Impact**	**68**	3	**Impact**
601 S Salina St	Syracuse	C - Park	1	67	71	**72**	1	**Impact**	**72**	1	**Impact**
2127 S State St	Syracuse	B - Residential	1	67	59	59	0	----	56	-3	----

Table: Noise Impact Summary - Model Results

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2201 S State St	Syracuse	B - Residential	3	67	60	60	1	----	56	-4	----
2211 S State St	Syracuse	B - Residential	1	67	60	61	1	----	57	-4	----
2215 S State St	Syracuse	B - Residential	1	67	61	61	1	----	57	-4	----
2219 S State St	Syracuse	B - Residential	1	67	61	62	1	----	57	-4	----
2223 S State St	Syracuse	B - Residential	1	67	62	62	1	----	58	-3	----
2301 S State St	Syracuse	B - Residential	1	67	62	63	1	----	58	-4	----
2302 S State St	Syracuse	B - Residential	3	67	64	64	0	----	63	-2	----
2306 S State St	Syracuse	B - Residential	1	67	63	63	0	----	61	-2	----
2307 S State St	Syracuse	B - Residential	1	67	62	63	1	----	58	-4	----
2310 S State St	Syracuse	B - Residential	1	67	62	62	0	----	60	-3	----
2311 S State St	Syracuse	B - Residential	1	67	62	63	1	----	58	-4	----
2321 S State St	Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	61	-4	----
2325 S State St	Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	61	-4	----
2401 S State St	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	62	-5	----
2407 S State St	Syracuse	B - Residential	2	67	68	**68**	1	**Impact**	63	-5	----
2411 S State St	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	62	-6	----
2414 S State St	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	63	-3	----
2415 S State St	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	62	-6	----
2416 S State St	Syracuse	B - Residential	2	67	66	**66**	0	**Impact**	63	-3	----
2420 S State St	Syracuse	B - Residential	1	67	67	**68**	0	**Impact**	63	-4	----
2424 S State St	Syracuse	C - Park	1	67	71	**71**	0	**Impact**	**67**	-4	**Impact**
2500 S State St	Syracuse	C - Park	1	67	70	**70**	0	**Impact**	**66**	-4	**Impact**
2510 S State St	Syracuse	B - Residential	2	67	69	**69**	0	**Impact**	64	-5	----
2516 S State St	Syracuse	B - Residential	2	67	68	**69**	1	**Impact**	63	-5	----
301 S State St	Syracuse	C - Park	4	67	66	**67**	1	**Impact**	**68**	2	**Impact**
505 S State St	Syracuse	C - Park	3	67	65	**67**	2	**Impact**	**68**	3	**Impact**
555 S State St	Syracuse	C - Public Gathering Space	1	67	58	59	1	----	61	3	----
600 S State St	Syracuse	C - Outdoor Sitting	2	67	66	**66**	0	**Impact**	**67**	2	**Impact**
800 S State St	Syracuse	C - Convention Center	1	67	64	65	1	----	**66**	2	**Impact**
822 S State St	Syracuse	C - Public Gathering Area	1	67	67	**69**	2	**Impact**	**70**	2	**Impact**
900 S State St	Syracuse	C - Memorial and Statue	1	67	67	**68**	1	**Impact**	**68**	1	**Impact**
701 S State St (1 of 2)	Syracuse	C - Park	4	67	60	61	1	----	63	2	----
701 S State St (2 of 2)	Syracuse	C - Park	4	67	55	56	1	----	56	1	----
301 S Townsend St	Syracuse	C - Church	1	67	65	**67**	2	**Impact**	**70**	5	**Impact**
507 S Townsend St	Syracuse	B - Residential	10	67	53	57	4	----	55	2	----
1031 S Townsend St (01 of 13)	Syracuse	B - Residential	8	67	67	**71**	4	**Impact**	**68**	1	**Impact**
1031 S Townsend St (02 of 13)	Syracuse	B - Residential	10	67	67	**69**	2	**Impact**	**68**	1	**Impact**
1031 S Townsend St (03 of 13)	Syracuse	B - Residential	10	67	66	**68**	2	**Impact**	**68**	2	**Impact**
1031 S Townsend St (04 of 13)	Syracuse	B - Residential	2	67	66	**68**	2	**Impact**	**67**	1	**Impact**
1031 S Townsend St (05 of 13)	Syracuse	B - Residential	6	67	64	65	1	----	63	-1	----
1031 S Townsend St (06 of 13)	Syracuse	B - Residential	2	67	59	60	1	----	55	-4	----
1031 S Townsend St (07 of 13)	Syracuse	B - Residential	9	67	61	62	0	----	58	-4	----
1031 S Townsend St (08 of 13)	Syracuse	B - Residential	2	67	58	59	1	----	54	-4	----
1031 S Townsend St (09 of 13)	Syracuse	B - Residential	6	67	61	61	0	----	57	-4	----

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PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
1101 S Townsend St (1 of 4)	Syracuse	B - Residential	6	67	58	58	1	----	54	-4	----
601 S Townsend St (1 of 6)	Syracuse	B - Residential	7	67	59	60	1	----	59	0	----
1031 S Townsend St (10 of 13)	Syracuse	B - Residential	6	67	58	59	1	----	54	-4	----
1031 S Townsend St (11 of 13)	Syracuse	B - Residential	6	67	61	61	0	----	57	-4	----
1031 S Townsend St (12 of 13)	Syracuse	B - Residential	10	67	58	59	1	----	54	-4	----
1031 S Townsend St (13 of 13)	Syracuse	B - Residential	8	67	61	61	0	----	57	-3	----
1101 S Townsend St (2 of 4)	Syracuse	B - Residential	6	67	61	61	0	----	58	-2	----
601 S Townsend St (2 of 6)	Syracuse	B - Residential	7	67	65	**68**	2	**Impact**	55	-10	----
1101 S Townsend St (3 of 4)	Syracuse	B - Residential	2	67	57	58	1	----	55	-2	----
601 S Townsend St (3 of 6)	Syracuse	B - Residential	7	67	58	59	1	----	61	3	----
1101 S Townsend St (4 of 4)	Syracuse	B - Residential	6	67	61	62	1	----	61	-1	----
601 S Townsend St (4 of 6)	Syracuse	B - Residential	7	67	52	54	2	----	48	-4	----
601 S Townsend St (5 of 6)	Syracuse	B - Residential	7	67	55	56	1	----	53	-2	----
601 S Townsend St (6 of 6)	Syracuse	B - Residential	7	67	61	62	1	----	63	2	----
701 S Warren St	Syracuse	C - School	2	67	70	**72**	1	**Impact**	**71**	1	**Impact**
200 S West St	Syracuse	C - Music Studio	1	67	67	**66**	-1	**Impact**	**67**	0	**Impact**
709 S West St	Syracuse	B - Residential	2	67	63	63	0	----	64	1	----
803 S West St	Syracuse	C - School	2	67	66	**68**	2	**Impact**	**67**	1	**Impact**
807 S West St	Syracuse	B - Residential	2	67	64	63	0	----	64	1	----
5926 Saffron Ct	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**73**	0	**Impact**
5930 Saffron Ct	Cicero Town of	B - Residential	1	67	67	**68**	0	**Impact**	**68**	0	**Impact**
5935 Saffron Ct	Cicero Town of	B - Residential	1	67	64	65	0	----	65	0	----
5929 Saffron Ct (1 of 2)	Cicero Town of	B - Residential	1	67	69	**70**	0	**Impact**	**69**	0	**Impact**
5929 Saffron Ct (2 of 2)	Cicero Town of	B - Residential	1	67	73	**74**	0	**Impact**	**74**	0	**Impact**
111 Sand St	Syracuse	B - Residential	1	67	61	62	1	----	62	1	----
113 Sand St	Syracuse	B - Residential	1	67	61	62	1	----	62	1	----
115 Sand St	Syracuse	B - Residential	1	67	62	62	1	----	62	1	----
116 Sand St	Syracuse	B - Residential	2	67	62	63	1	----	63	1	----
117 Sand St	Syracuse	B - Residential	1	67	62	63	1	----	63	1	----
300 Sand St	Syracuse	B - Residential	1	67	65	**66**	1	**Impact**	**66**	1	**Impact**
301 Sand St	Syracuse	B - Residential	1	67	65	**67**	1	**Impact**	**66**	1	**Impact**
303 Sand St	Syracuse	B - Residential	2	67	64	65	1	----	65	1	----
305 Sand St	Syracuse	B - Residential	1	67	63	64	1	----	64	1	----
307 Sand St	Syracuse	B - Residential	1	67	63	64	1	----	64	1	----
309 Sand St	Syracuse	B - Residential	1	67	63	64	1	----	63	1	----
311 Sand St	Syracuse	B - Residential	1	67	63	64	1	----	63	0	----
103 Saturn Dr	Syracuse	B - Residential	1	67	56	57	1	----	56	0	----
107 Saturn Dr	Syracuse	B - Residential	1	67	62	62	1	----	63	1	----
139 Seymour St	Syracuse	B - Residential	3	67	60	60	0	----	62	2	----
140 Seymour St	Syracuse	B - Residential	2	67	60	61	1	----	62	2	----
150 Seymour St	Syracuse	B - Residential	2	67	59	60	1	----	62	2	----
153 Seymour St	Syracuse	B - Residential	3	67	61	61	0	----	63	2	----
154 Seymour St	Syracuse	B - Residential	1	67	59	59	1	----	61	2	----
100 Sheridan Pl	Syracuse	B - Residential	1	67	65	65	0	----	65	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
104 Sheridan Pl	Syracuse	B - Residential	1	67	62	62	0	----	63	0	----
108 Sheridan Pl	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
112 Sheridan Pl	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
115 Sherwood Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
119 Sherwood Ave	Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
100 Shonnard St	Syracuse	C - Place of Worship	1	67	65	65	0	----	**66**	1	**Impact**
136 Slindes Wood Cir	North Syracuse	B - Residential	2	67	70	**71**	1	**Impact**	**71**	1	**Impact**
110 Slindes Woods Cir	North Syracuse	B - Residential	2	67	63	63	0	----	63	0	----
114 Slindes Woods Cir	North Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
118 Slindes Woods Cir	North Syracuse	B - Residential	2	67	67	**67**	0	**Impact**	**67**	0	**Impact**
122 Slindes Woods Cir	North Syracuse	B - Residential	2	67	68	**68**	0	**Impact**	**68**	0	**Impact**
128 Slindes Woods Cir	North Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	**69**	0	**Impact**
131 Slindes Woods Cir	North Syracuse	B - Residential	2	67	65	65	1	----	65	1	----
132 Slindes Woods Cir	North Syracuse	B - Residential	2	67	70	**70**	1	**Impact**	**70**	0	**Impact**
139 Slindes Woods Cir	North Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	**66**	0	**Impact**
140 Slindes Woods Cir	North Syracuse	B - Residential	2	67	70	**71**	1	**Impact**	**70**	0	**Impact**
144 Slindes Woods Cir	North Syracuse	B - Residential	2	67	68	**68**	1	**Impact**	**68**	0	**Impact**
145 Slindes Woods Cir	North Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	65	0	----
148 Slindes Woods Cir	North Syracuse	B - Residential	2	67	66	**67**	1	**Impact**	**66**	0	**Impact**
149 Slindes Woods Cir	North Syracuse	B - Residential	2	67	64	65	1	----	64	0	----
150 Slindes Woods Cir	North Syracuse	B - Residential	2	67	65	**66**	1	**Impact**	65	0	----
156 Slindes Woods Cir	North Syracuse	B - Residential	2	67	64	65	1	----	64	0	----
160 Slindes Woods Cir	North Syracuse	B - Residential	2	67	63	63	1	----	63	0	----
163 Slindes Woods Cir	North Syracuse	B - Residential	2	67	62	62	1	----	62	0	----
164 Slindes Woods Cir	North Syracuse	B - Residential	2	67	62	62	1	----	62	0	----
166 Slindes Woods Cir	North Syracuse	B - Residential	2	67	61	61	1	----	61	0	----
167 Slindes Woods Cir	North Syracuse	B - Residential	2	67	61	62	1	----	61	0	----
187 Slindes Woods Cir	North Syracuse	B - Residential	2	67	62	63	1	----	63	0	----
191 Slindes Woods Cir	North Syracuse	B - Residential	2	67	63	64	1	----	63	0	----
199 Slindes Woods Cir	North Syracuse	B - Residential	2	67	64	64	0	----	64	0	----
6129 Smith Rd	Cicero Town of	B - Residential	1	67	56	57	1	----	57	2	----
6151 Smith Rd	Cicero Town of	B - Residential	1	67	56	56	1	----	57	2	----
6153 Smith Rd	Cicero Town of	B - Residential	1	67	60	60	1	----	60	0	----
6155 Smith Rd	Cicero Town of	B - Residential	1	67	56	57	1	----	58	1	----
6175 Smith Rd	Cicero Town of	B - Residential	1	67	58	58	1	----	59	1	----
6179 Smith Rd	Cicero Town of	B - Residential	1	67	59	59	1	----	59	0	----
6180 Smith Rd	Cicero Town of	B - Residential	1	67	57	58	1	----	58	1	----
6187 Smith Rd	Cicero Town of	B - Residential	1	67	59	60	1	----	59	0	----
6188 Smith Rd	Cicero Town of	B - Residential	1	67	58	59	1	----	59	0	----
102 Snell Ter	Syracuse	B - Residential	1	67	55	55	0	----	54	-1	----
106 Snell Ter	Syracuse	B - Residential	1	67	56	56	0	----	55	-1	----
5404 South Bay Rd	Salina Town of	c - Outdoor Seating	8	67	63	63	0	----	63	0	----
5684 South Bay Rd	Cicero Town of	C - Childcare	1	67	61	61	0	----	61	0	----
5746 South Bay Rd	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
5762 South Bay Rd	Cicero Town of	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
5768 South Bay Rd	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
5774 South Bay Rd	Cicero Town of	B - Residential	1	67	71	**71**	0	**Impact**	**71**	0	**Impact**
5842 South Bay Rd	Cicero Town of	B - Residential	1	67	69	**69**	0	**Impact**	**68**	0	**Impact**
5845 South Bay Rd	Cicero Town of	B - Residential	1	67	66	**66**	0	**Impact**	**67**	1	**Impact**
5846 South Bay Rd	Cicero Town of	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
5859 South Bay Rd	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**74**	1	**Impact**
5861 South Bay Rd	Cicero Town of	B - Residential	1	67	68	**69**	0	**Impact**	**69**	0	**Impact**
5863 South Bay Rd	Cicero Town of	B - Residential	1	67	65	65	0	----	65	0	----
5867 South Bay Rd	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
901 South Bay Rd	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
102 Stadium Pl	Syracuse	C - School	1	67	57	58	0	----	57	0	----
101 Sunrise Dr	Syracuse	B - Residential	1	67	58	59	0	----	57	-1	----
111 Sunrise Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
115 Sunrise Dr	Syracuse	B - Residential	1	67	61	61	0	----	60	-1	----
133 Sunrise Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
139 Sunrise Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
145 Sunrise Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
151 Sunrise Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
157 Sunrise Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
163 Sunrise Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
169 Sunrise Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
101 Sunset Ave	Syracuse	B - Residential	1	67	68	**69**	2	**Impact**	**69**	1	**Impact**
103 Sunset Ave	Syracuse	B - Residential	2	67	66	**68**	2	**Impact**	**67**	2	**Impact**
111 Sunset Ave	Syracuse	B - Residential	1	67	68	**69**	2	**Impact**	**69**	1	**Impact**
204 Sunset Ave	Syracuse	B - Residential	2	67	67	**68**	0	**Impact**	**67**	0	**Impact**
208 Sunset Ave	Syracuse	B - Residential	1	67	67	**68**	1	**Impact**	**67**	0	**Impact**
210 Sunset Ave	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**69**	1	**Impact**
212 Sunset Ave	Syracuse	B - Residential	2	67	68	**70**	2	**Impact**	**70**	2	**Impact**
220 Sunset Ave	Syracuse	B - Residential	2	67	68	**70**	2	**Impact**	**69**	2	**Impact**
304 Sunset Ave	Syracuse	B - Residential	2	67	70	**72**	1	**Impact**	**71**	1	**Impact**
306 Sunset Ave	Syracuse	B - Residential	2	67	70	**71**	1	**Impact**	**71**	1	**Impact**
308 Sunset Ave	Syracuse	B - Residential	2	67	70	**71**	1	**Impact**	**71**	1	**Impact**
310 Sunset Ave	Syracuse	B - Residential	1	67	69	**70**	1	**Impact**	**70**	1	**Impact**
312 Sunset Ave	Syracuse	B - Residential	2	67	69	**70**	1	**Impact**	**70**	1	**Impact**
316 Sunset Ave	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**69**	1	**Impact**
318 Sunset Ave	Syracuse	B - Residential	1	67	68	**70**	2	**Impact**	**70**	2	**Impact**
320 Sunset Ave	Syracuse	B - Residential	3	67	68	**70**	2	**Impact**	**70**	2	**Impact**
400 Sunset Ave	Syracuse	B - Residential	1	67	67	**68**	2	**Impact**	**68**	2	**Impact**
402 Sunset Ave	Syracuse	B - Residential	1	67	66	**68**	2	**Impact**	**67**	1	**Impact**
406 Sunset Ave	Syracuse	B - Residential	1	67	66	**68**	2	**Impact**	**68**	1	**Impact**
410 Sunset Ave	Syracuse	B - Residential	1	67	61	61	1	----	61	1	----
418 Sunset Ave	Syracuse	B - Residential	2	67	64	**66**	1	**Impact**	**66**	1	**Impact**
420 Sunset Ave	Syracuse	B - Residential	2	67	66	**67**	1	**Impact**	**67**	1	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
424 Sunset Ave	Syracuse	B - Residential	1	67	68	**69**	1	**Impact**	**69**	1	**Impact**
6096 Sunset Pl	Cicero Town of	B - Residential	1	67	61	61	1	----	62	2	----
6100 Sunset Pl	Cicero Town of	B - Residential	1	67	59	60	1	----	61	1	----
5883 Sutton Dr	Cicero Town of	B - Residential	1	67	62	63	0	----	62	0	----
5884 Sutton Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
5887 Sutton Dr	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
5888 Sutton Dr	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
5892 Sutton Dr	Cicero Town of	B - Residential	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
5896 Sutton Dr	Cicero Town of	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
5900 Sutton Dr	Cicero Town of	B - Residential	1	67	71	**71**	0	**Impact**	**71**	0	**Impact**
6629 Taft Rd	East Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	**66**	1	**Impact**
6657 Taft Rd	Cicero Town of	B - Residential	1	67	67	**67**	0	**Impact**	**67**	1	**Impact**
6669 Taft Rd	Cicero Town of	B - Residential	1	67	66	**67**	1	**Impact**	**67**	1	**Impact**
6709 Taft Rd	East Syracuse	B - Residential	1	67	66	**66**	1	**Impact**	**67**	1	**Impact**
6743 Taft Rd	East Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	1	**Impact**
17 Technology Pl	De Witt Town of	C - Picnic Area	3	67	48	48	0	----	49	1	----
7581 Thompson Rd	Cicero Town of	B - Residential	1	67	63	63	1	----	63	1	----
7620 Thompson Rd	Cicero Town of	B - Residential	1	67	64	65	1	----	**69**	5	**Impact**
7622 Thompson Rd	Cicero Town of	B - Residential	1	67	59	59	1	----	63	4	----
7623 Thompson Rd	Cicero Town of	B - Residential	1	67	59	60	1	----	63	3	----
7624 Thompson Rd	Cicero Town of	B - Residential	1	67	59	59	1	----	63	4	----
7629 Thompson Rd	Cicero Town of	B - Residential	1	67	59	59	1	----	62	3	----
7636 Thompson Rd	Cicero Town of	B - Residential	1	67	61	62	0	----	63	1	----
7630 Thompson Rd (1 of 2)	Cicero Town of	B - Residential	1	67	58	59	0	----	61	2	----
7630 Thompson Rd (2 of 2)	Cicero Town of	B - Residential	1	67	60	60	0	----	62	3	----
115 Thurlow Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
119 Thurlow Dr	Syracuse	B - Residential	1	67	57	58	0	----	57	-1	----
125 Thurlow Dr	Syracuse	B - Residential	1	67	58	58	0	----	57	-1	----
127 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	0	----	58	-1	----
131 Thurlow Dr	Syracuse	B - Residential	1	67	59	60	0	----	58	-1	----
137 Thurlow Dr	Syracuse	B - Residential	1	67	59	60	0	----	59	-1	----
143 Thurlow Dr	Syracuse	B - Residential	1	67	59	60	0	----	59	-1	----
149 Thurlow Dr	Syracuse	B - Residential	1	67	59	60	0	----	59	-1	----
155 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	0	----	58	-1	----
161 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	0	----	58	-1	----
167 Thurlow Dr	Syracuse	B - Residential	1	67	59	59	0	----	58	-1	----
171 Thurlow Dr	Syracuse	B - Residential	1	67	58	59	0	----	58	-1	----
177 Thurlow Dr	Syracuse	B - Residential	1	67	58	58	0	----	57	-1	----
185 Thurlow Dr	Syracuse	B - Residential	1	67	57	57	0	----	56	-1	----
107 Titus Aly	Syracuse	B - Residential	1	67	57	58	1	----	58	0	----
111 Titus Aly	Syracuse	B - Residential	1	67	58	59	1	----	58	1	----
113 Titus Aly	Syracuse	B - Residential	1	67	57	58	1	----	58	1	----
7561 Totman Rd	Cicero Town of	B - Residential	1	67	57	57	1	----	57	0	----
7562 Totman Rd	Cicero Town of	B - Residential	1	67	56	57	1	----	57	1	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
7565 Totman Rd	Cicero Town of	B - Residential	1	67	57	58	1	----	58	0	----
7568 Totman Rd	Cicero Town of	B - Residential	1	67	58	58	1	----	58	1	----
7569 Totman Rd	Cicero Town of	B - Residential	1	67	58	58	1	----	58	1	----
7578 Totman Rd	Cicero Town of	B - Residential	1	67	59	60	1	----	59	0	----
7607 Totman Rd	Cicero Town of	B - Residential	1	67	56	56	1	----	59	4	----
7608 Totman Rd	Cicero Town of	B - Residential	1	67	56	57	1	----	60	4	----
7609 Totman Rd	Cicero Town of	B - Residential	1	67	55	56	1	----	58	3	----
7614 Totman Rd	Cicero Town of	B - Residential	1	67	55	55	1	----	58	4	----
7620 Totman Rd	Cicero Town of	B - Residential	1	67	55	55	1	----	58	3	----
7605 Totman Rd (1 of 2)	Cicero Town of	B - Residential	1	67	57	58	1	----	62	5	----
7605 Totman Rd (2 of 2)	Cicero Town of	B - Residential	1	67	59	59	1	----	65	**6**	**Impact**
6723 Towpath Rd	De Witt Town of	C - Outdoor Seating	1	67	56	57	0	----	58	2	----
6868 Towpath Rd	De Witt Town of	B - Residential	1	67	74	**75**	1	**Impact**	**76**	2	**Impact**
5835 Tuller Rd	Cicero Town of	B - Residential	1	67	61	61	0	----	61	0	----
5837 Tuller Rd	Cicero Town of	B - Residential	1	67	61	62	0	----	61	0	----
5838 Tuller Rd	Cicero Town of	B - Residential	1	67	61	61	0	----	61	0	----
5840 Tuller Rd	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
5842 Tuller Rd	Cicero Town of	B - Residential	1	67	64	64	0	----	63	0	----
5860 Tuller Rd	Cicero Town of	B - Residential	1	67	65	65	0	----	64	-1	----
5861 Tuller Rd	Cicero Town of	B - Residential	1	67	62	62	0	----	61	-1	----
5866 Tuller Rd	Cicero Town of	B - Residential	1	67	65	65	0	----	64	-1	----
5867 Tuller Rd	Cicero Town of	B - Residential	1	67	64	65	0	----	64	-1	----
5870 Tuller Rd	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**67**	-2	**Impact**
5871 Tuller Rd	Cicero Town of	B - Residential	1	67	64	64	0	----	63	-1	----
5879 Tuller Rd	Cicero Town of	B - Residential	1	67	65	65	0	----	64	-1	----
5882 Tuller Rd	Cicero Town of	B - Residential	1	67	70	**70**	0	**Impact**	**68**	-2	**Impact**
5887 Tuller Rd	Cicero Town of	B - Residential	1	67	66	**66**	0	**Impact**	65	-1	----
5888 Tuller Rd	Cicero Town of	B - Residential	1	67	72	**72**	0	**Impact**	**69**	-2	**Impact**
5889 Tuller Rd	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	-1	**Impact**
5894 Tuller Rd	Cicero Town of	B - Residential	1	67	73	**73**	0	**Impact**	**71**	-2	**Impact**
5900 Tuller Rd	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**73**	-1	**Impact**
5910 Tuller Rd	Cicero Town of	B - Residential	1	67	76	**75**	0	**Impact**	**76**	1	**Impact**
5919 Tuller Rd	Cicero Town of	B - Residential	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
5921 Tuller Rd	Cicero Town of	B - Residential	1	67	69	**69**	0	**Impact**	**69**	0	**Impact**
5922 Tuller Rd	Cicero Town of	B - Residential	1	67	76	**76**	0	**Impact**	**75**	-1	**Impact**
5946 Tuller Rd	Cicero Town of	B - Residential	1	67	74	**74**	0	**Impact**	**73**	-1	**Impact**
216 Tully St	Syracuse	C - Art Studio	1	67	54	54	0	----	55	0	----
132 Turtle St	Syracuse	B - Residential	1	67	66	**68**	2	**Impact**	**67**	2	**Impact**
135 Turtle St	Syracuse	B - Residential	1	67	63	64	1	----	64	1	----
139 Turtle St	Syracuse	B - Residential	1	67	61	62	1	----	62	1	----
141 Turtle St	Syracuse	B - Residential	1	67	60	61	1	----	61	1	----
205 Turtle St	Syracuse	B - Residential	1	67	57	57	0	----	57	0	----
204 Union Pl	Syracuse	B - Residential	1	67	60	60	0	----	60	0	----
206 Union Pl	Syracuse	B - Residential	1	67	57	58	1	----	57	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
208 Union Pl	Syracuse	B - Residential	1	67	55	55	1	----	55	0	----
208 University Ave	Syracuse	B - Residential	1	67	60	61	1	----	62	2	----
407 University Ave	Syracuse	C - Planned Residential	3	67	63	63	0	----	64	1	----
411 University Ave	Syracuse	B - Residential	3	67	61	61	0	----	62	1	----
412 University Ave	Syracuse	C - Place of Worship	4	67	64	63	-1	----	65	1	----
413 University Ave	Syracuse	B - Residential	3	67	62	62	-1	----	63	1	----
417 University Ave	Syracuse	B - Residential	3	67	65	64	-1	----	**66**	1	**Impact**
501 University Ave	Syracuse	C - Place of Worship	2	67	60	60	0	----	62	1	----
502 University Ave	Syracuse	B - Residential	3	67	65	65	0	----	**66**	1	**Impact**
507 University Ave	Syracuse	B - Residential	3	67	60	60	0	----	61	1	----
509 University Ave	Syracuse	B - Residential	3	67	67	**67**	0	**Impact**	**68**	1	**Impact**
610 University Ave	Syracuse	B - Planned Residential	3	67	63	62	0	----	63	1	----
700 University Ave	Syracuse	C - School	2	67	59	59	-1	----	59	0	----
701 University Ave	Syracuse	C - School	2	67	59	59	0	----	60	1	----
726 University Ave	Syracuse	C - Outdoor Seating	3	67	65	65	0	----	**66**	1	**Impact**
107 University Pl	Syracuse	C - School	3	67	57	55	-1	----	57	0	----
201 University Pl	Syracuse	C - School	2	67	58	58	0	----	58	1	----
100 University Pl (1 of 5)	Syracuse	C - School	3	67	56	57	1	----	58	1	----
100 University Pl (2 of 5)	Syracuse	C - School	4	67	49	49	1	----	49	1	----
100 University Pl (3 of 5)	Syracuse	C - School	4	67	53	54	2	----	56	3	----
100 University Pl (4 of 5)	Syracuse	C - School	4	67	43	44	1	----	45	2	----
100 University Pl (5 of 5)	Syracuse	C - School	5	67	55	58	3	----	56	2	----
123 Valentine Dr	Cicero Town of	B - Residential	1	67	61	61	0	----	61	0	----
124 Valentine Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
125 Valentine Dr	Cicero Town of	B - Residential	1	67	61	61	0	----	61	0	----
126 Valentine Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
127 Valentine Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
128 Valentine Dr	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
131 Valentine Dr	Cicero Town of	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
308 Van Buren St	Syracuse	B - Residential	1	67	66	63	-3	----	61	-5	----
401 Van Buren St	Syracuse	B - Residential	10	67	71	**68**	-3	**Impact**	**74**	3	**Impact**
133 Van Mara Dr	North Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
135 Van Mara Dr	North Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
137 Van Mara Dr	North Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
139 Van Mara Dr	North Syracuse	B - Residential	1	67	65	64	0	----	65	0	----
141 Van Mara Dr	North Syracuse	B - Residential	1	67	65	65	0	----	65	0	----
149 Verda Ave	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
150 Verda Ave	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----
153 Verda Ave	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
154 Verda Ave	Cicero Town of	B - Residential	1	67	63	63	0	----	63	0	----
157 Verda Ave	Cicero Town of	B - Residential	1	67	65	65	0	----	65	0	----
158 Verda Ave	Cicero Town of	B - Residential	1	67	64	64	0	----	64	0	----
159 Verda Ave	Cicero Town of	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
161 Verda Ave	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
162 Verda Ave	Cicero Town of	B - Residential	1	67	65	65	0	----	65	0	----
166 Verda Ave	Cicero Town of	B - Residential	1	67	67	**67**	0	**Impact**	**67**	0	**Impact**
168 Verda Ave	Cicero Town of	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
170 Verda Ave	Cicero Town of	B - Residential	1	67	72	**72**	0	**Impact**	**72**	0	**Impact**
172 Verda Ave	Cicero Town of	B - Residential	1	67	75	**76**	0	**Impact**	**76**	0	**Impact**
200 Vine St	Syracuse	B - Residences	1	67	71	**68**	-3	**Impact**	**68**	-2	**Impact**
208 Vine St	Syracuse	B - Residential	2	67	67	**66**	-1	**Impact**	**66**	-1	**Impact**
1022 W Belden Ave	Syracuse	B - Residential	2	67	60	61	1	----	61	1	----
1025 W Belden Ave	Syracuse	B - Residential	1	67	60	61	1	----	61	1	----
802 W Belden Ave	Syracuse	B - Residential	2	67	66	**68**	2	**Impact**	**68**	2	**Impact**
804 W Belden Ave	Syracuse	B - Residential	2	67	63	65	2	----	65	2	----
806 W Belden Ave	Syracuse	B - Residential	2	67	62	65	2	----	64	2	----
808 W Belden Ave	Syracuse	B - Residential	2	67	62	64	3	----	64	2	----
814 W Belden Ave	Syracuse	B - Residential	2	67	62	64	3	----	64	2	----
915 W Belden Ave	Syracuse	B - Residential	1	67	64	65	1	----	65	1	----
921 W Belden Ave	Syracuse	B - Residential	2	67	62	63	1	----	63	1	----
111 W Calthrop Ave	Syracuse	B - Residential	1	67	63	64	1	----	61	-2	----
112 W Calthrop Ave	Syracuse	B - Residential	1	67	63	64	1	----	61	-2	----
99 W Erie Blvd	Syracuse	C - Park	5	67	70	**73**	3	**Impact**	**72**	2	**Impact**
350 W Fayette St	Syracuse	C - School	4	67	66	**66**	0	**Impact**	**67**	1	**Impact**
200 W Genesee St	Syracuse	C - Outdoor Seating	1	67	70	**73**	3	**Impact**	**72**	2	**Impact**
201 W Genesee St	Syracuse	C - Park	1	67	68	**72**	5	**Impact**	**71**	4	**Impact**
621 W Genesee St	Syracuse	C - Playground	1	67	59	61	2	----	61	2	----
110 W Jefferson St	Syracuse	C - Outdoor Seating	2	67	62	63	1	----	62	1	----
200 W Jefferson St	Syracuse	C - Museum	4	67	54	55	1	----	56	2	----
218 W Jefferson St	Syracuse	C - Outdoor Dining	3	67	57	57	0	----	58	1	----
225 W Jefferson St	Syracuse	C - Outdoor Seating	3	67	48	48	0	----	49	1	----
102 W Newell St	Syracuse	B - Residential	1	67	63	63	1	----	61	-2	----
100 W Pleasant Ave	Syracuse	B - Residential	1	67	63	64	1	----	61	-2	----
204 W Water St	Syracuse	C - Park	5	67	69	**71**	2	**Impact**	**71**	2	**Impact**
208 W Water St	Syracuse	C - Outdoor Seating	2	67	59	61	2	----	61	2	----
214 W Water St	Syracuse	C - Playground	1	67	59	61	2	----	61	2	----
234 W Willow St	Syracuse	C - Outdoor Seating	10	67	60	62	2	----	62	2	----
215 Wallace St	Syracuse	C - Park	1	67	71	**70**	-1	**Impact**	**69**	-2	**Impact**
217 Walrath Rd	Syracuse	B - Residential	1	67	50	51	1	----	49	-1	----
220 Walrath Rd	Syracuse	B - Residential	1	67	51	52	1	----	50	-1	----
221 Walrath Rd	Syracuse	B - Residential	1	67	51	52	1	----	50	-2	----
226 Walrath Rd	Syracuse	B - Residential	1	67	53	53	1	----	51	-1	----
227 Walrath Rd	Syracuse	B - Residential	1	67	51	52	1	----	49	-2	----
232 Walrath Rd	Syracuse	B - Residential	1	67	54	55	1	----	52	-2	----
233 Walrath Rd	Syracuse	B - Residential	1	67	52	53	1	----	51	-2	----
237 Walrath Rd	Syracuse	B - Residential	1	67	59	60	1	----	57	-2	----
255 Walton St	Syracuse	C - Park	2	67	66	**66**	0	**Impact**	**67**	1	**Impact**
5904 Warren Dr	Cicero Town of	B - Residential	1	67	62	62	0	----	62	0	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
5905 Warren Dr	Cicero Town of	B - Residential	1	67	64	63	0	----	64	0	----
5909 Warren Dr	Cicero Town of	B - Residential	1	67	65	64	0	----	65	0	----
5915 Warren Dr	Cicero Town of	B - Residential	1	67	68	**68**	0	**Impact**	**69**	0	**Impact**
111 Waverly Ave	Syracuse	C - School	4	67	58	58	0	----	59	1	----
106 Wayne St	Syracuse	B - Residential	1	67	56	57	1	----	57	0	----
108 Wayne St	Syracuse	B - Residential	1	67	56	56	0	----	56	0	----
110 Wayne St	Syracuse	B - Residential	3	67	55	56	1	----	55	-1	----
328 Wells Ave E	North Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
329 Wells Ave E	North Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
400 Wells Ave E	North Syracuse	B - Residential	1	67	64	64	0	----	64	0	----
401 Wells Ave E	North Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
402 Wells Ave E	North Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
403 Wells Ave E	North Syracuse	B - Residential	1	67	65	64	0	----	65	0	----
404 Wells Ave E	North Syracuse	B - Residential	1	67	68	**67**	0	**Impact**	**68**	0	**Impact**
405 Wells Ave E	North Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
406 Wells Ave E	North Syracuse	B - Residential	1	67	70	**70**	0	**Impact**	**70**	0	**Impact**
407 Wells Ave E	North Syracuse	B - Residential	1	67	68	**68**	0	**Impact**	**68**	0	**Impact**
408 Wells Ave E	North Syracuse	B - Residential	1	67	72	**72**	-1	**Impact**	**72**	0	**Impact**
409 Wells Ave E	North Syracuse	B - Residential	1	67	71	**71**	-1	**Impact**	**71**	0	**Impact**
410 Wells Ave E	North Syracuse	B - Residential	1	67	76	**76**	-1	**Impact**	**76**	0	**Impact**
411 Wells Ave E (1 of 2)	North Syracuse	B - Residential	1	67	74	**73**	-1	**Impact**	**74**	0	**Impact**
411 Wells Ave E (2 of 2)	North Syracuse	B - Residential	1	67	78	**77**	-1	**Impact**	**78**	0	**Impact**
101 Westminster Rd	De Witt Town of	B - Residential	1	67	63	63	0	----	64	1	----
102 Westminster Rd	De Witt Town of	B - Residential	1	67	67	**67**	0	**Impact**	**68**	1	**Impact**
103 Westminster Rd	De Witt Town of	B - Residential	1	67	61	62	0	----	63	1	----
104 Westminster Rd	De Witt Town of	B - Residential	1	67	67	**67**	0	**Impact**	**68**	1	**Impact**
106 Westminster Rd	De Witt Town of	B - Residential	1	67	68	**68**	0	**Impact**	**69**	1	**Impact**
107 Westminster Rd	De Witt Town of	B - Residential	1	67	61	62	0	----	63	1	----
108 Westminster Rd	De Witt Town of	B - Residential	1	67	68	**69**	0	**Impact**	**69**	1	**Impact**
109 Westminster Rd	De Witt Town of	B - Residential	1	67	60	60	0	----	61	1	----
110 Westminster Rd	De Witt Town of	B - Residential	1	67	69	**69**	0	**Impact**	**70**	1	**Impact**
111 Westminster Rd	De Witt Town of	B - Residential	1	67	60	61	1	----	62	1	----
112 Westminster Rd	De Witt Town of	B - Residential	1	67	68	**69**	0	**Impact**	**70**	1	**Impact**
113 Westminster Rd	De Witt Town of	B - Residential	1	67	59	60	0	----	61	1	----
114 Westminster Rd	De Witt Town of	B - Residential	1	67	68	**68**	0	**Impact**	**69**	1	**Impact**
116 Westminster Rd	De Witt Town of	B - Residential	1	67	68	**68**	0	**Impact**	**69**	1	**Impact**
118 Westminster Rd	De Witt Town of	B - Residential	1	67	67	**67**	0	**Impact**	**68**	1	**Impact**
120 Westminster Rd	De Witt Town of	B - Residential	1	67	67	**67**	0	**Impact**	**68**	1	**Impact**
122 Westminster Rd	De Witt Town of	B - Residential	1	67	66	**66**	0	**Impact**	**67**	1	**Impact**
300 Westminster Rd	De Witt Town of	B - Residential	1	67	65	65	1	----	**66**	2	**Impact**
302 Westminster Rd	De Witt Town of	B - Residential	1	67	65	**66**	1	**Impact**	**67**	2	**Impact**
304 Westminster Rd	De Witt Town of	B - Residential	1	67	65	65	1	----	**66**	2	**Impact**
306 Westminster Rd	De Witt Town of	B - Residential	1	67	64	65	1	----	**66**	2	**Impact**
308 Westminster Rd	De Witt Town of	B - Residential	1	67	63	64	1	----	65	2	----

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary
310 Westminster Rd	De Witt Town of	B - Residential	1	67	62	63	1	----	64	2	----
18 Wilbert Dr	Salina Town of	B - Residential	1	67	64	64	0	----	64	0	----
20 Wilbert Dr	Salina Town of	B - Residential	1	67	65	65	0	----	65	0	----
22 Wilbert Dr	Salina Town of	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
24 Wilbert Dr	Salina Town of	B - Residential	1	67	66	**66**	0	**Impact**	**66**	0	**Impact**
26 Wilbert Dr	Salina Town of	B - Residential	1	67	65	65	0	----	65	0	----
5988 Wilbur Rd	De Witt Town of	C - Picnic Area	1	67	60	60	0	----	61	1	----
316 Winton St	Syracuse	B - Residential	1	67	65	65	1	----	65	1	----
322 Winton St	Syracuse	B - Residential	1	67	64	65	1	----	65	1	----
331 Winton St	Syracuse	B - Residential	3	67	64	65	0	----	65	1	----
337 Winton St	Syracuse	B - Residential	1	67	63	64	1	----	64	1	----
340 Winton St	Syracuse	B - Residential	4	67	64	64	1	----	64	1	----
343 Winton St	Syracuse	B - Residential	3	67	64	64	0	----	64	1	----
349 Winton St	Syracuse	B - Residential	2	67	63	63	0	----	63	1	----
353 Winton St	Syracuse	B - Residential	2	67	62	63	1	----	63	1	----
522 Woodbine Ave	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
525 Woodbine Ave	Syracuse	B - Residential	1	67	62	62	0	----	62	0	----
526 Woodbine Ave	Syracuse	B - Residential	1	67	61	61	0	----	61	0	----
530 Woodbine Ave	Syracuse	B - Residential	2	67	62	62	0	----	62	0	----
533 Woodbine Ave	Syracuse	B - Residential	1	67	63	63	0	----	63	0	----
6497 Woodchuck Hill Rd	De Witt Town of	B - Residential	1	67	63	63	1	----	65	3	----
6523 Woodchuck Hill Rd	De Witt Town of	B - Residential	1	67	61	62	1	----	64	2	----
204 Woodland Ave	Syracuse	B - Residential	1	67	61	61	0	----	57	-4	----
205 Woodland Ave	Syracuse	B - Residential	1	67	61	60	0	----	56	-5	----
209 Woodland Ave	Syracuse	B - Residential	1	67	61	61	0	----	57	-4	----
210 Woodland Ave	Syracuse	B - Residential	1	67	60	61	0	----	56	-4	----
213 Woodland Ave	Syracuse	B - Residential	1	67	60	60	0	----	56	-4	----
214 Woodland Ave	Syracuse	B - Residential	1	67	60	61	0	----	56	-4	----
215 Woodland Ave	Syracuse	B - Residential	1	67	61	61	0	----	56	-4	----
216 Woodland Ave	Syracuse	B - Residential	1	67	61	61	0	----	57	-5	----
219 Woodland Ave	Syracuse	B - Residential	2	67	61	61	0	----	57	-4	----
222 Woodland Ave	Syracuse	B - Residential	1	67	63	63	0	----	58	-5	----
223 Woodland Ave	Syracuse	B - Residential	1	67	62	63	0	----	58	-4	----
226 Woodland Ave	Syracuse	B - Residential	2	67	64	64	0	----	59	-5	----
227 Woodland Ave	Syracuse	B - Residential	1	67	63	64	0	----	59	-5	----
231 Woodland Ave	Syracuse	B - Residential	1	67	66	**66**	0	**Impact**	61	-5	----
311 Wyoming St	Syracuse	C - Cultural Center	1	67	56	54	-1	----	56	0	----
417 Wyoming St	Syracuse	C - Religious Use	1	67	61	63	2	----	64	3	----
513 Wyoming St	Syracuse	B - Residential	1	67	63	64	1	----	64	1	----

Notes: Noise level results are presented in dBA L_{eq}

*NAC = Noise Abatement Criteria - An impact occurs when the projected highway noise levels approach or exceed the FHWA NAC ("Approach" is defined as within 1 dBA of the NAC).

Total number of 2013 Existing Noise Model Results Exceeding NAC Levels = 696

Total number of impacts for 2050 Viaduct Alternative Option 4 Model Results = 764

Total number of impacts for 2050 Community Grid Option 2 Model Results = 679

Table: Noise Impact Summary - Model Results

PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Address	City	FHWA NAC Activity Category	Equivalent Number of Residences	FHWA NAC Activity Criteria* (dBA)	2013 Existing Noise Model Results (dBA)	2050 Viaduct Alternative Option 4 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary	2050 Community Grid Option 2 (dBA)	Increase from 2013 to 2050 (dBA)	Impact Summary

Notes (continued:) Since the NAC relates to predicted future traffic noise levels exceeding or approaching (within 1 dBA) the NAC, the NAC levels are shown as the NAC level minus 1 dBA.

Impact = Either sound level (level above the NAC level identified for that NAC activity category); substantial impact (predicted future traffic noise levels substantially (by 6 dB(A) or more) exceed the existing levels.); or both.

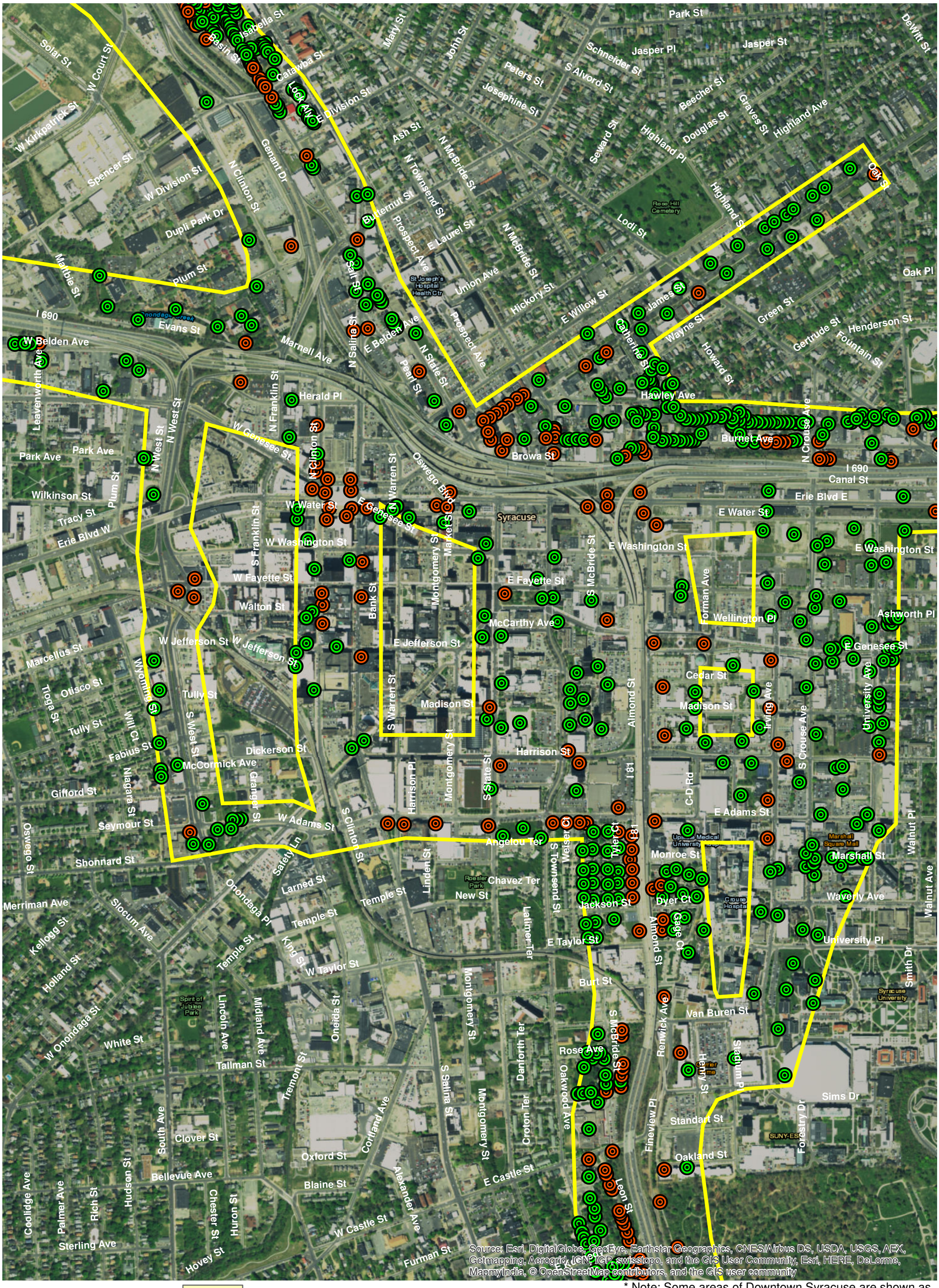
---- = No NAC or substantial increase impacts identified.

Inactive = Receiver is no longer physically present given the geometric design under this alternative.

NA = Receiver is inactive; therefore, no results were calculated at this receiver and under this alternative.

ATTACHMENT E

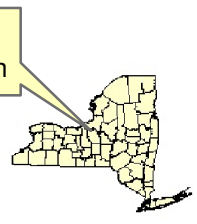
2013 Existing Conditions Noise Results Figures

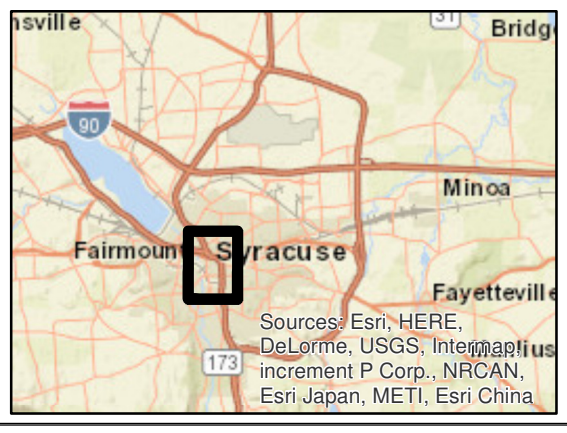


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

Existing 2013 - Noise Results (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

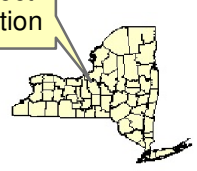
Date: 10/24/2016

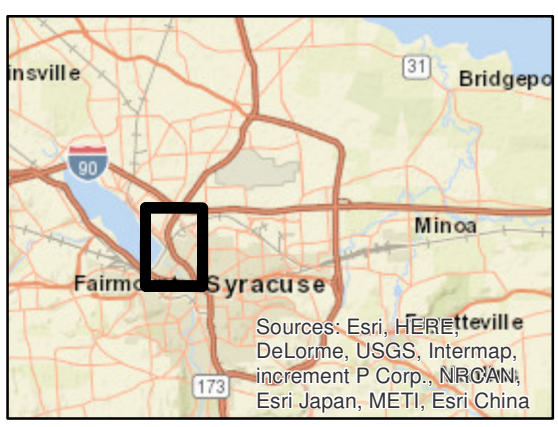


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location





0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

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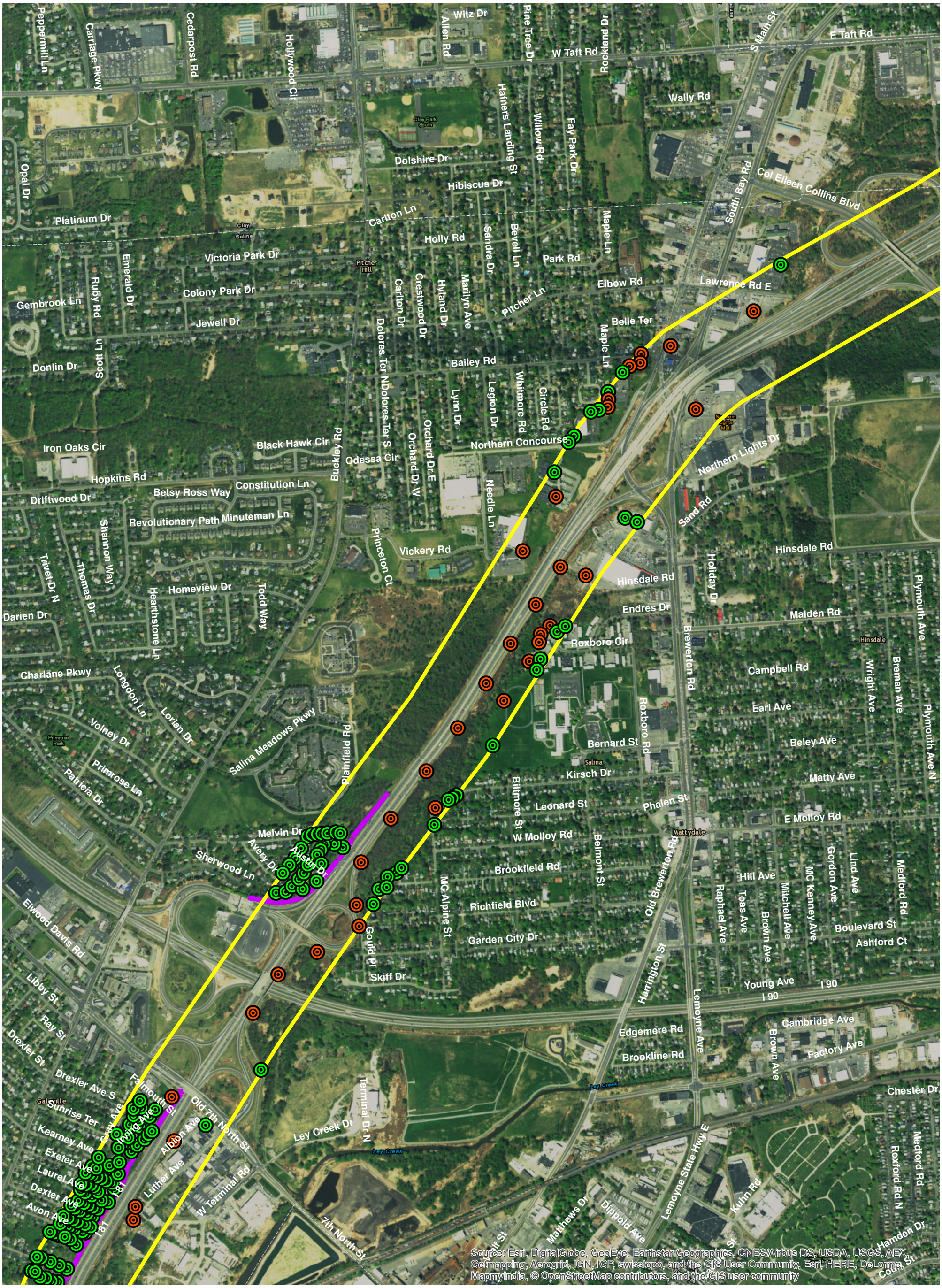
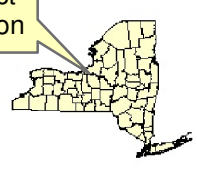
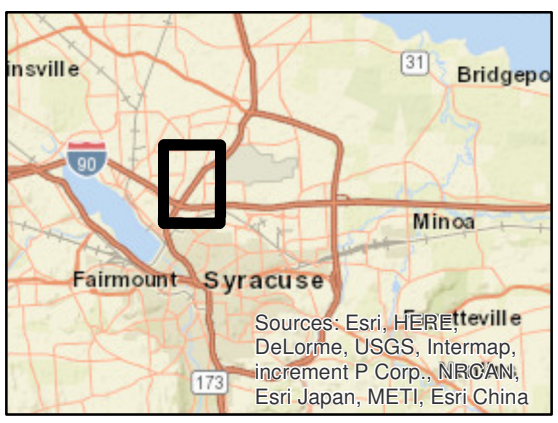


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location





0 650 1,300 2,600 Feet

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Existing 2013 - Noise Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location



0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

WATTS ARCHITECTURE & ENGINEERING

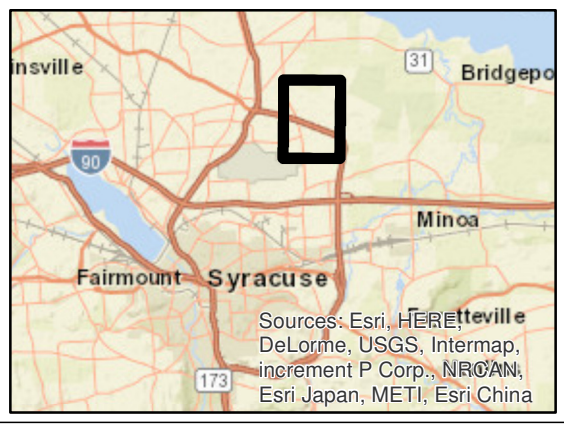
Thompson Rd
Island Rd
Northern Blvd
Northern Blvd
Totman Rd
Eastman Rd
Smith Rd
I 481
I 481
Round Pond Rd
Running Ridge Rd
Wheatley Rd
Taft Park Dr
Hancock Dr
Montauk Cir
Terminal Rd
Barrington Cir
Bedford Cir
Highland Dr
Charleston Rd
Hancock Field Ang Base
Cicero
De Witt
Maxwell Park
E Taft Rd
Fly Rd
Schuyler Rd
Watertown Rd
F St E

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location



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0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

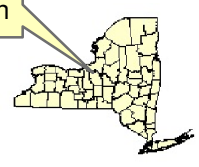
E Taft Rd
All Nations Blvd
Bastable Rd
Cicero
Manlius
Maxwell Park
North Branch Ley Creek
I 481
Badgley Rd
Fly Rd
Airways Park Dr
Canada Dr
Collamer Rd
Collamer
Brittonfield Pkwy
Collamer Crossing Pkwy
Sand Hill Rd
Law Dr
Hazelnut Cir
Russell Ln
Kame Way
Schuyler Rd
Emilie Ln
Temple Dr
Loucks Rd
Fremont Rd
I 90
Myers Rd
Polkville
New Venture Gear Dr
Fair Lakes Rd
Chrysler Ln
Pheasant Rd
Technology Pl

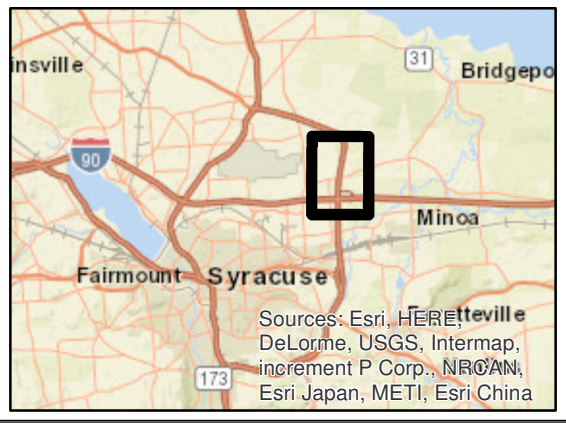
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





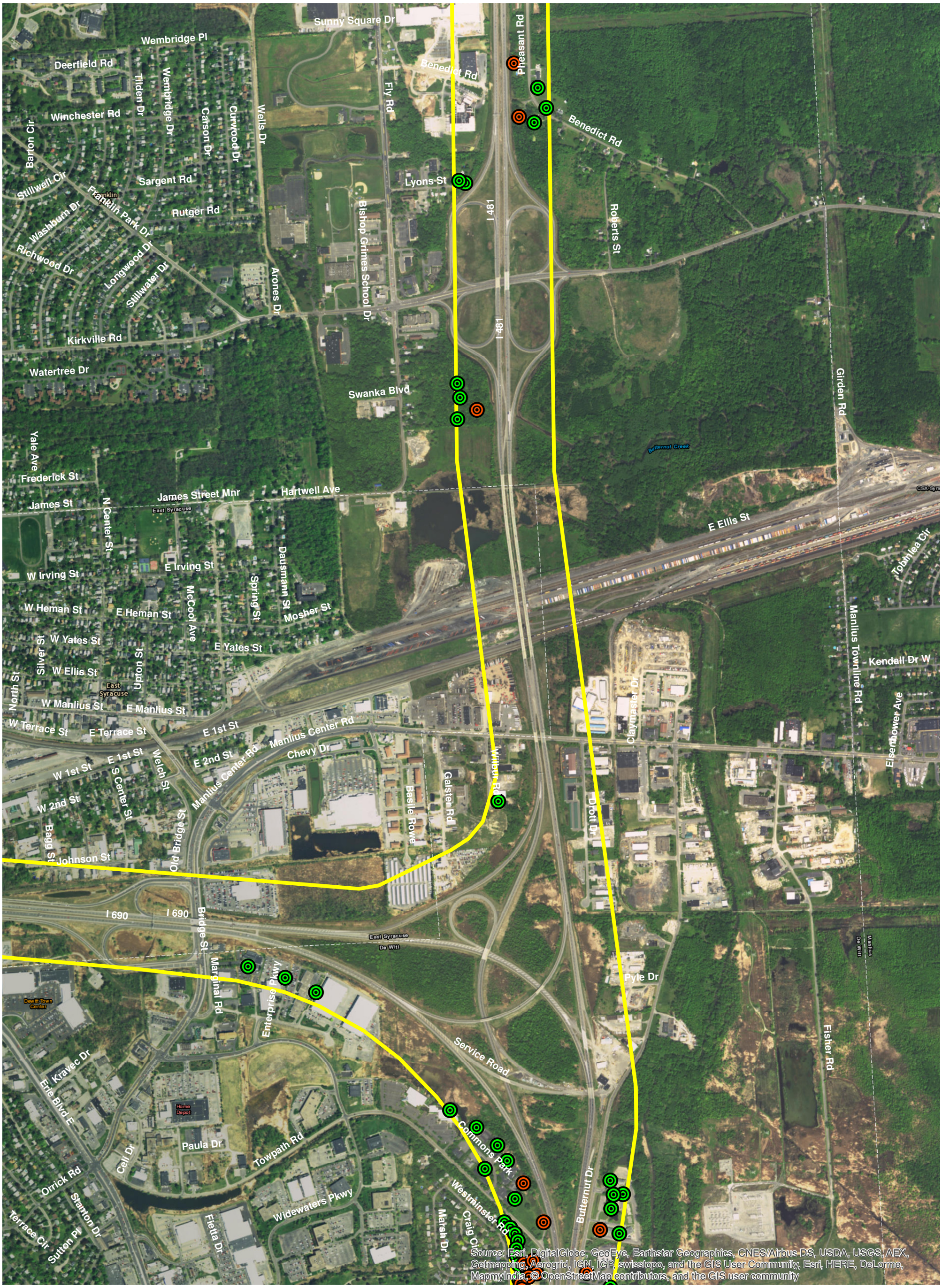
0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

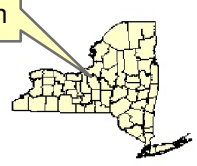
WATTS ARCHITECTURE & ENGINEERING

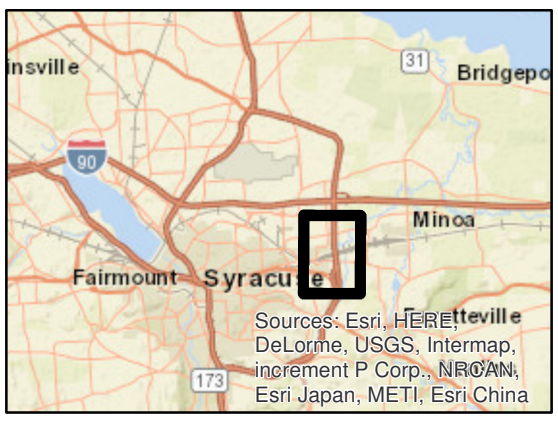


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





0 650 1,300 2,600 Feet

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Existing 2013 - Noise Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

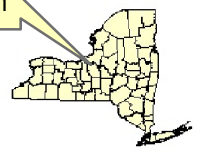
Date: 10/24/2016

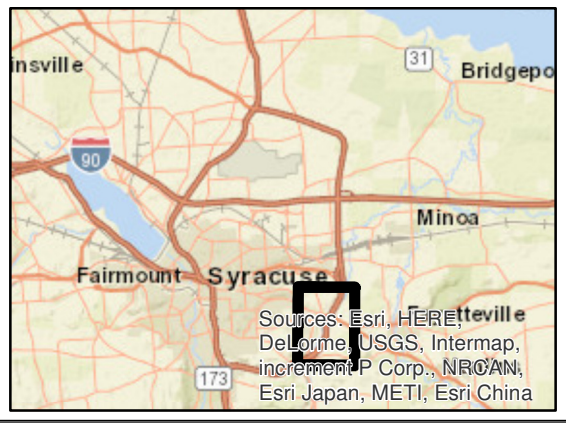


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





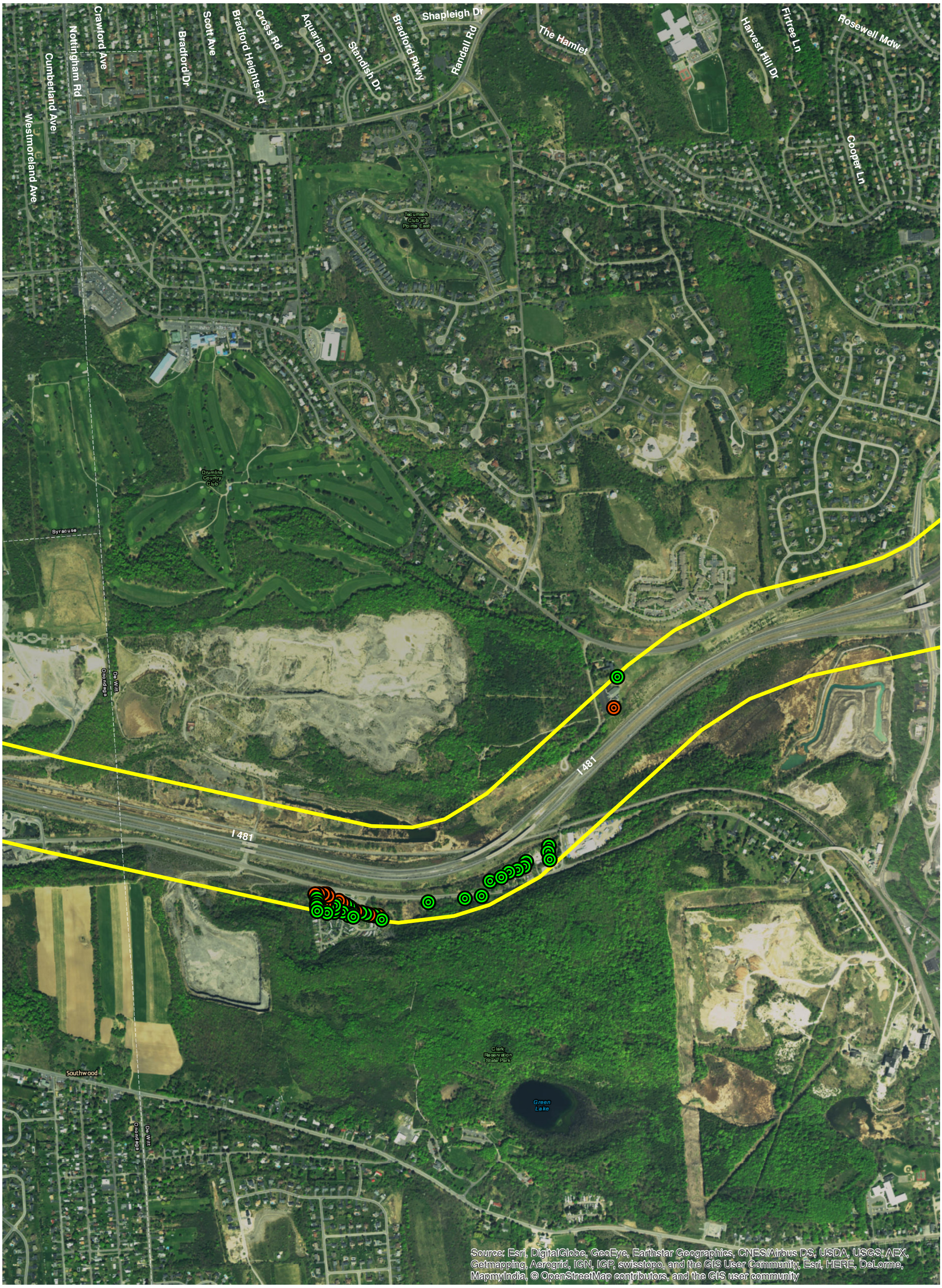
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

Existing 2013 - Noise Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

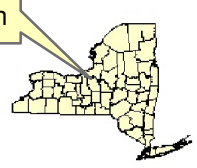
Date: 10/24/2016

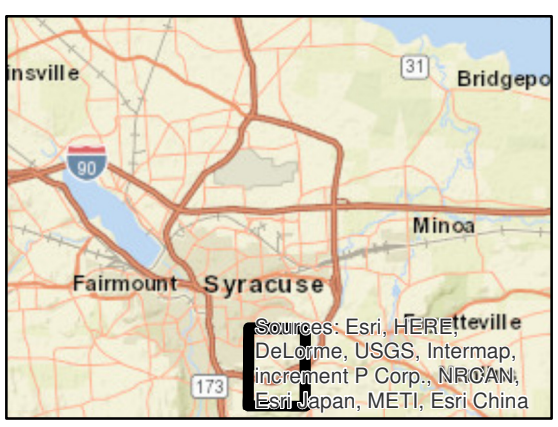


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





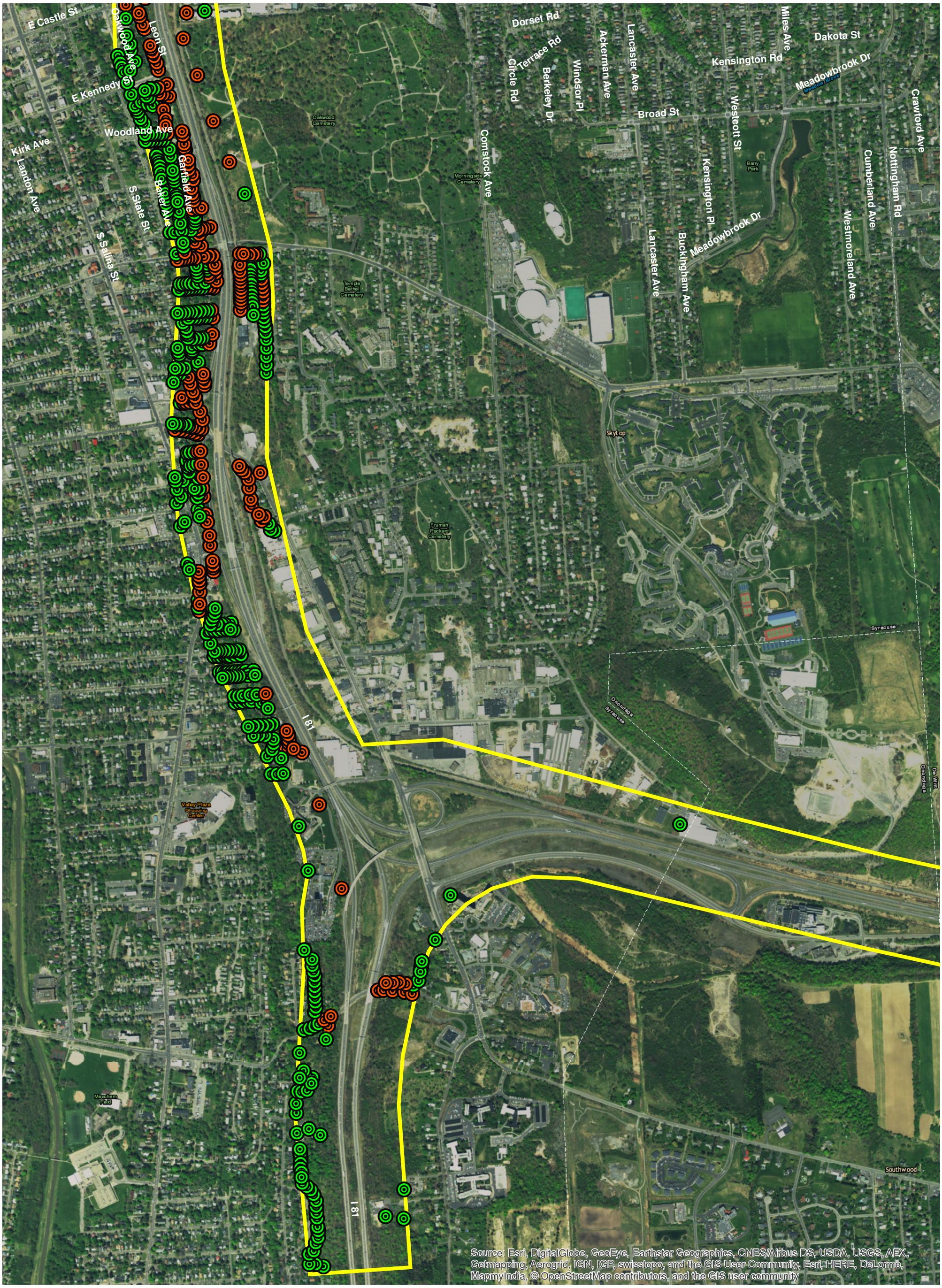
0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

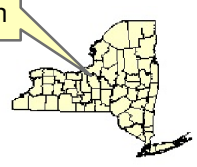
WATTS ARCHITECTURE & ENGINEERING

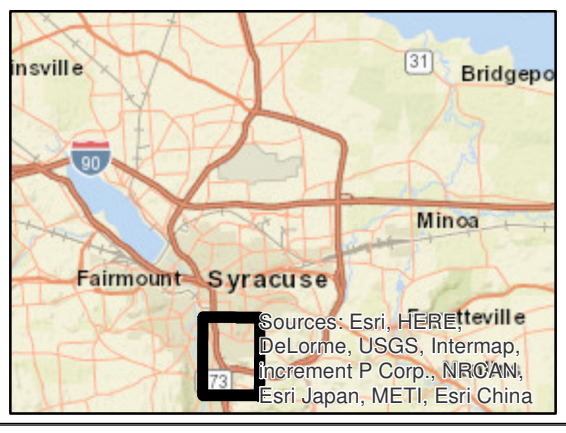


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





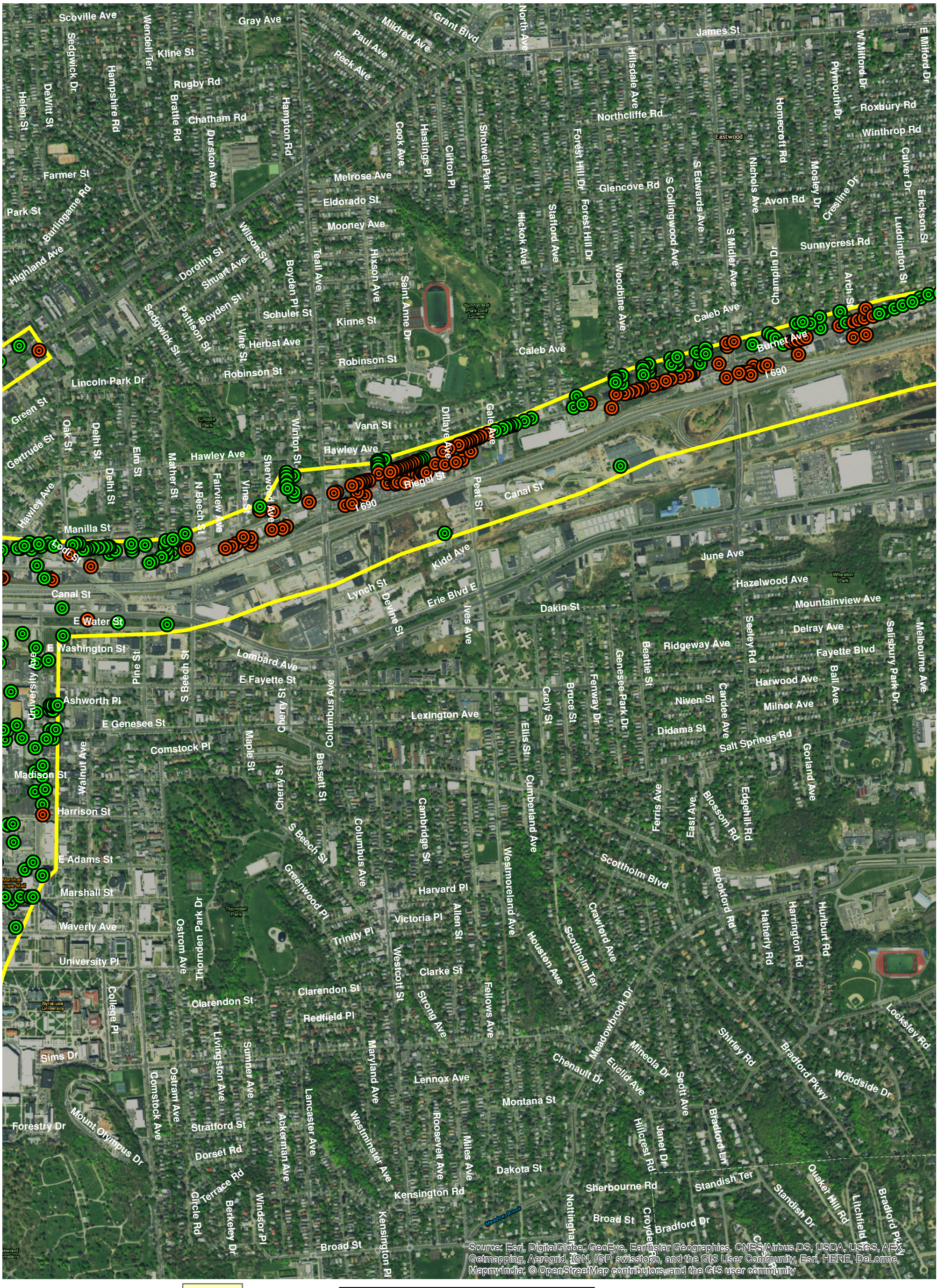
0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

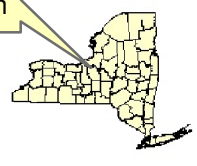
WATTS ARCHITECTURE & ENGINEERING

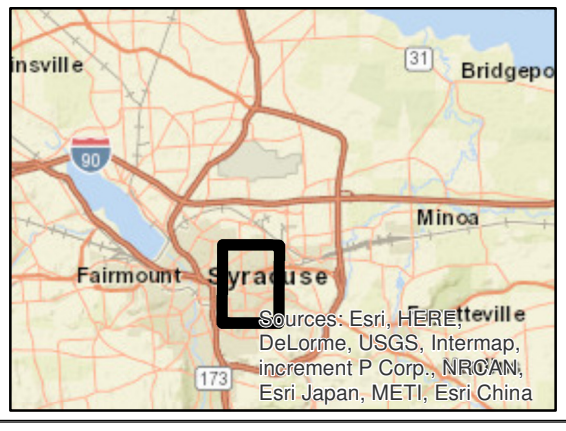


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





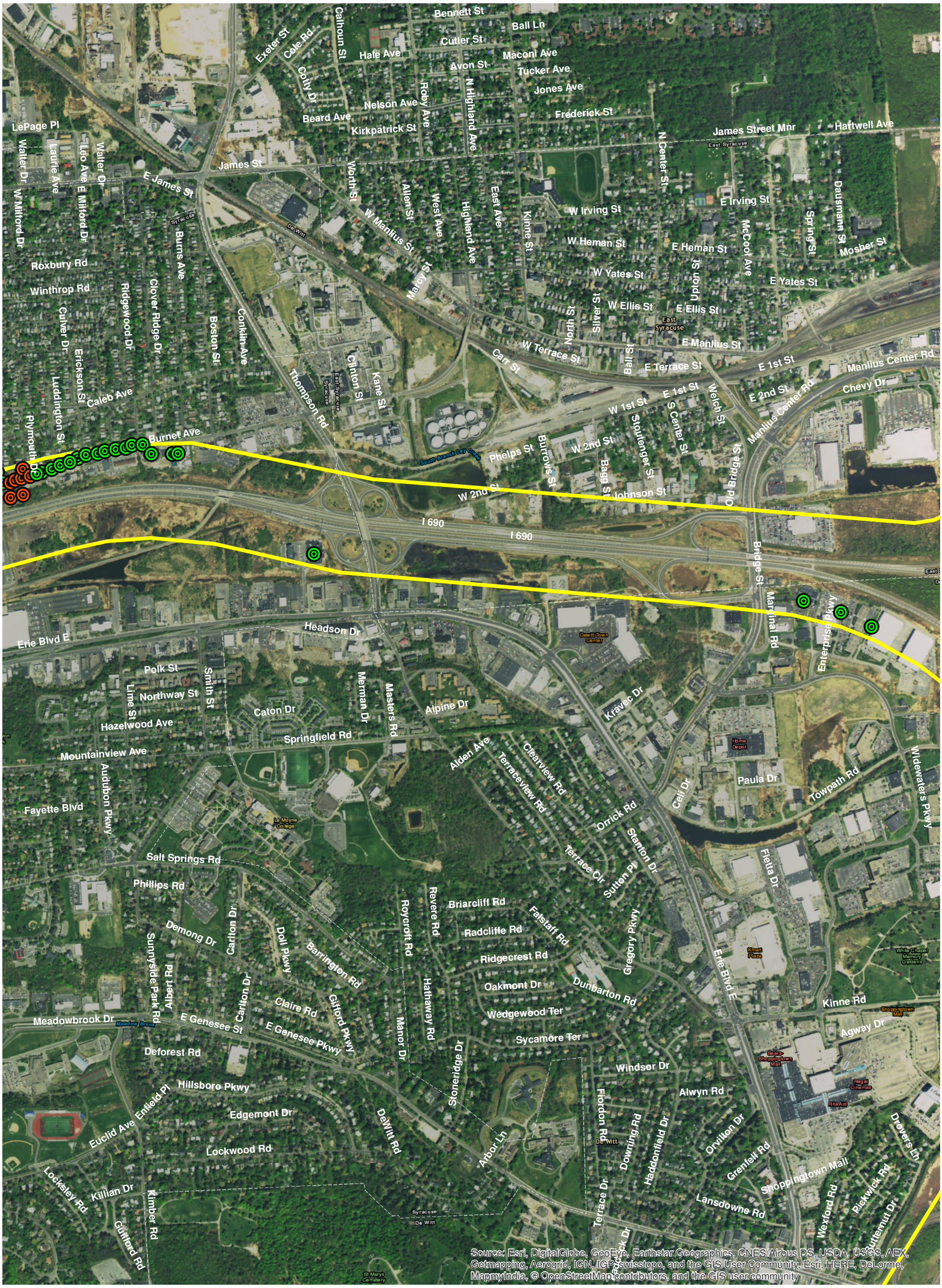
0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

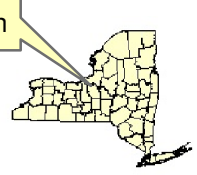
WATTS ARCHITECTURE & ENGINEERING

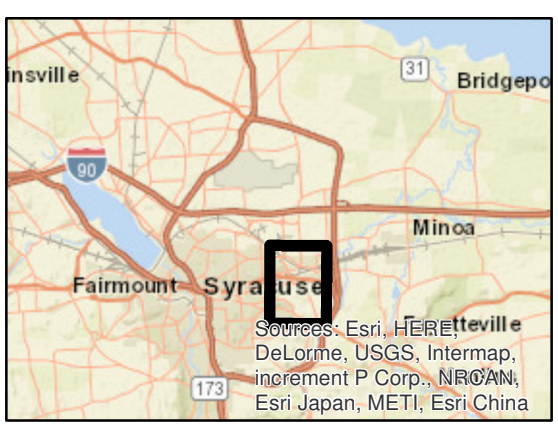


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





0 650 1,300 2,600 Feet

Existing 2013 - Noise Results (Page 12 of 12)

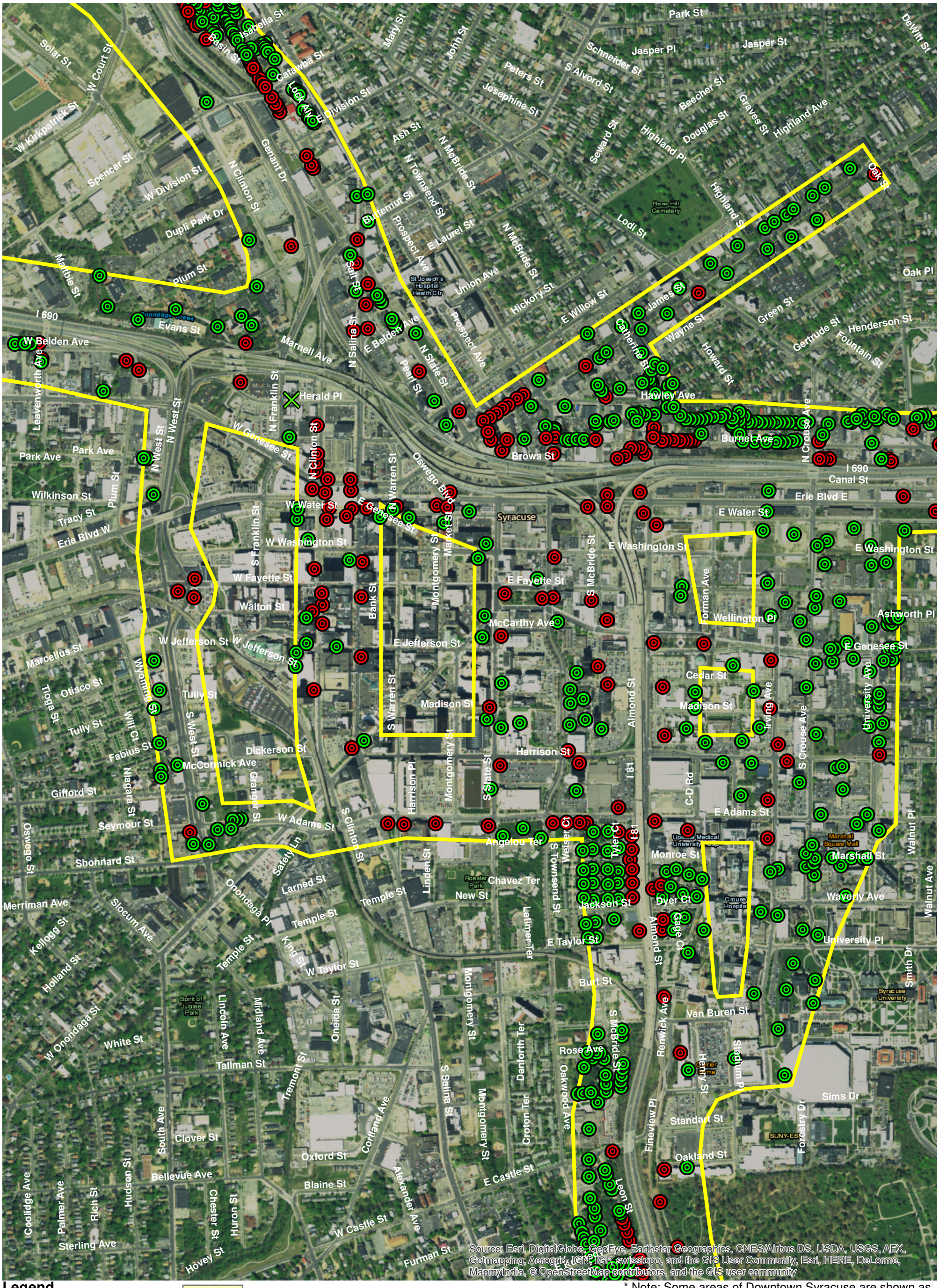
I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

WATTS ARCHITECTURE & ENGINEERING

ATTACHMENT F

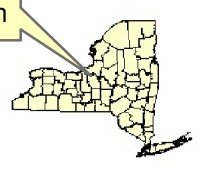
2050 Viaduct Alternative – Option 4 (V4) Conditions Noise Results Figures

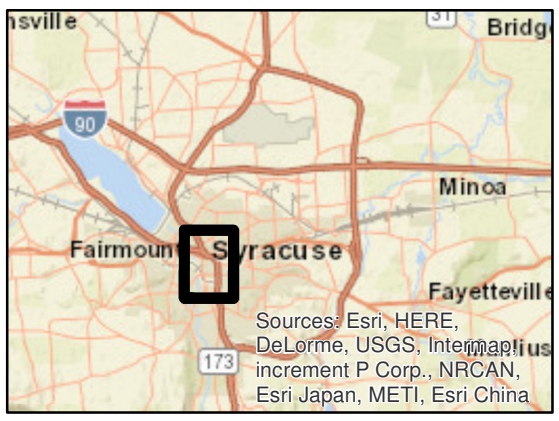


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Inactive under this Alternative
- Project Study Area Limits*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

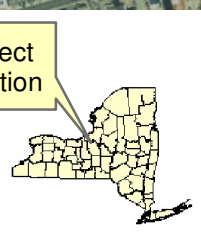
Date: 10/24/2016

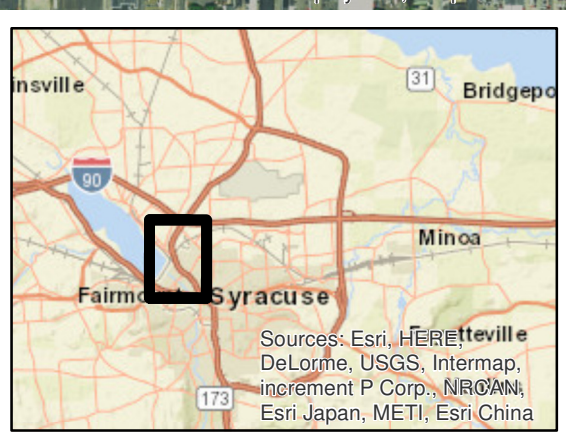
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location





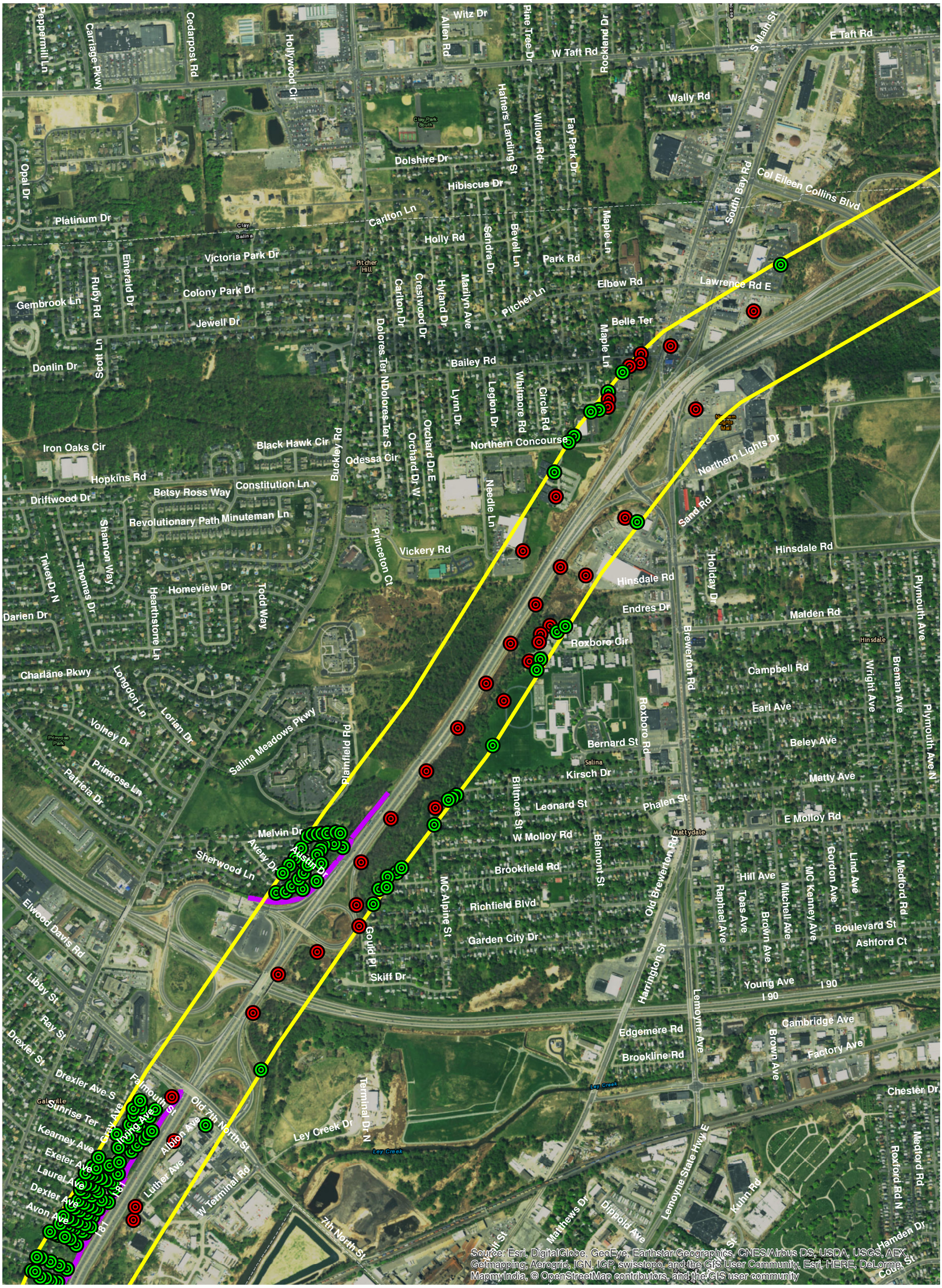
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

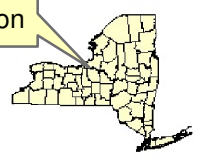
Date: 10/24/2016

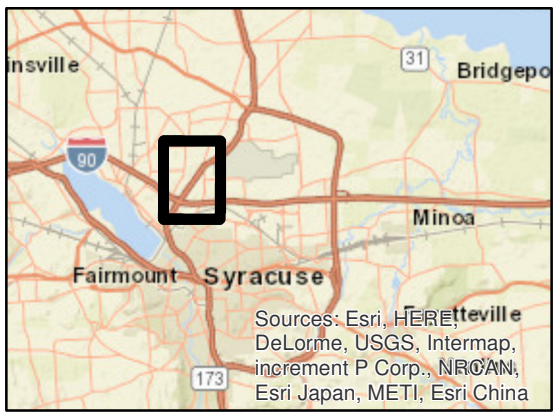


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location





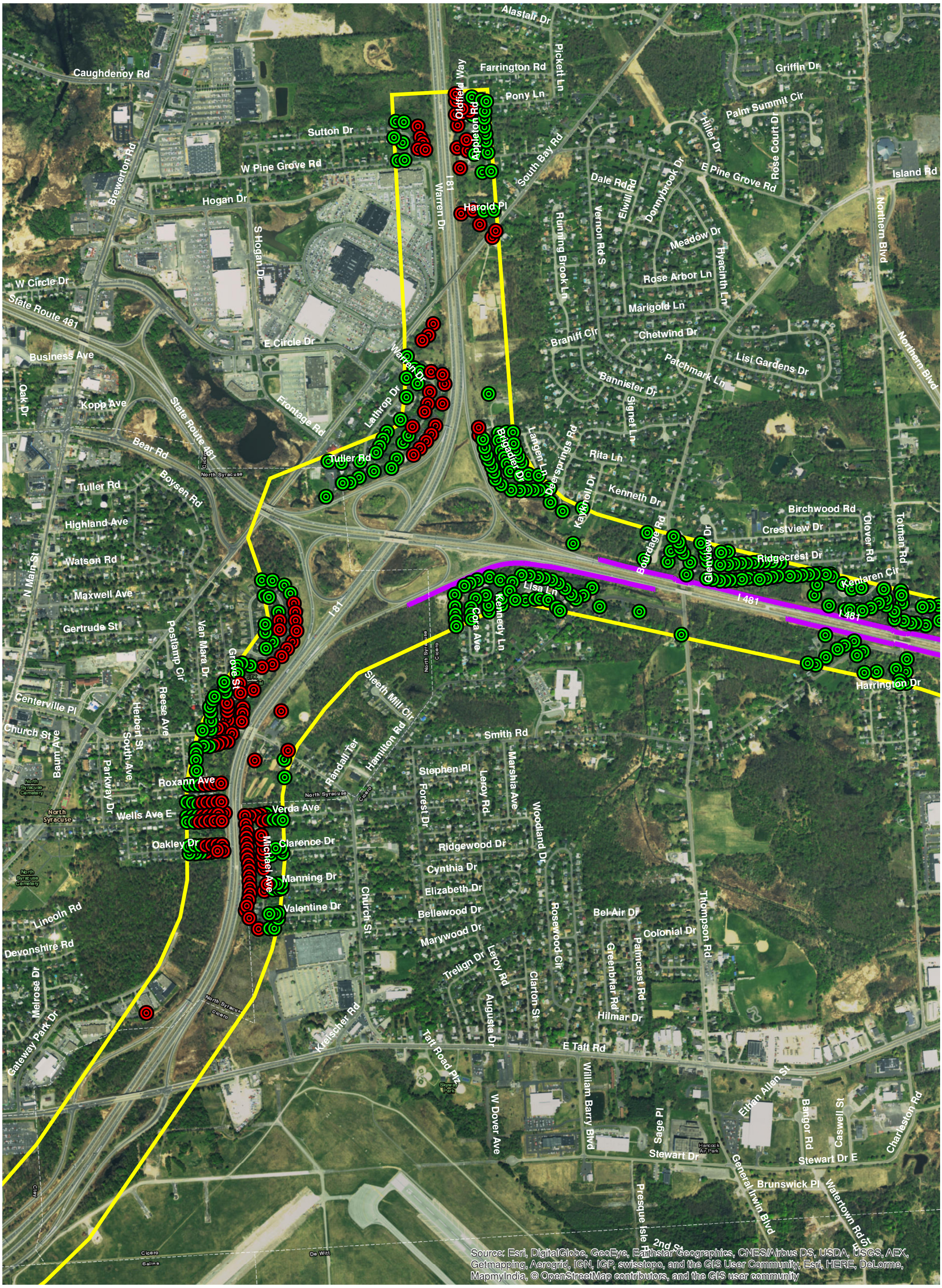
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016



Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location



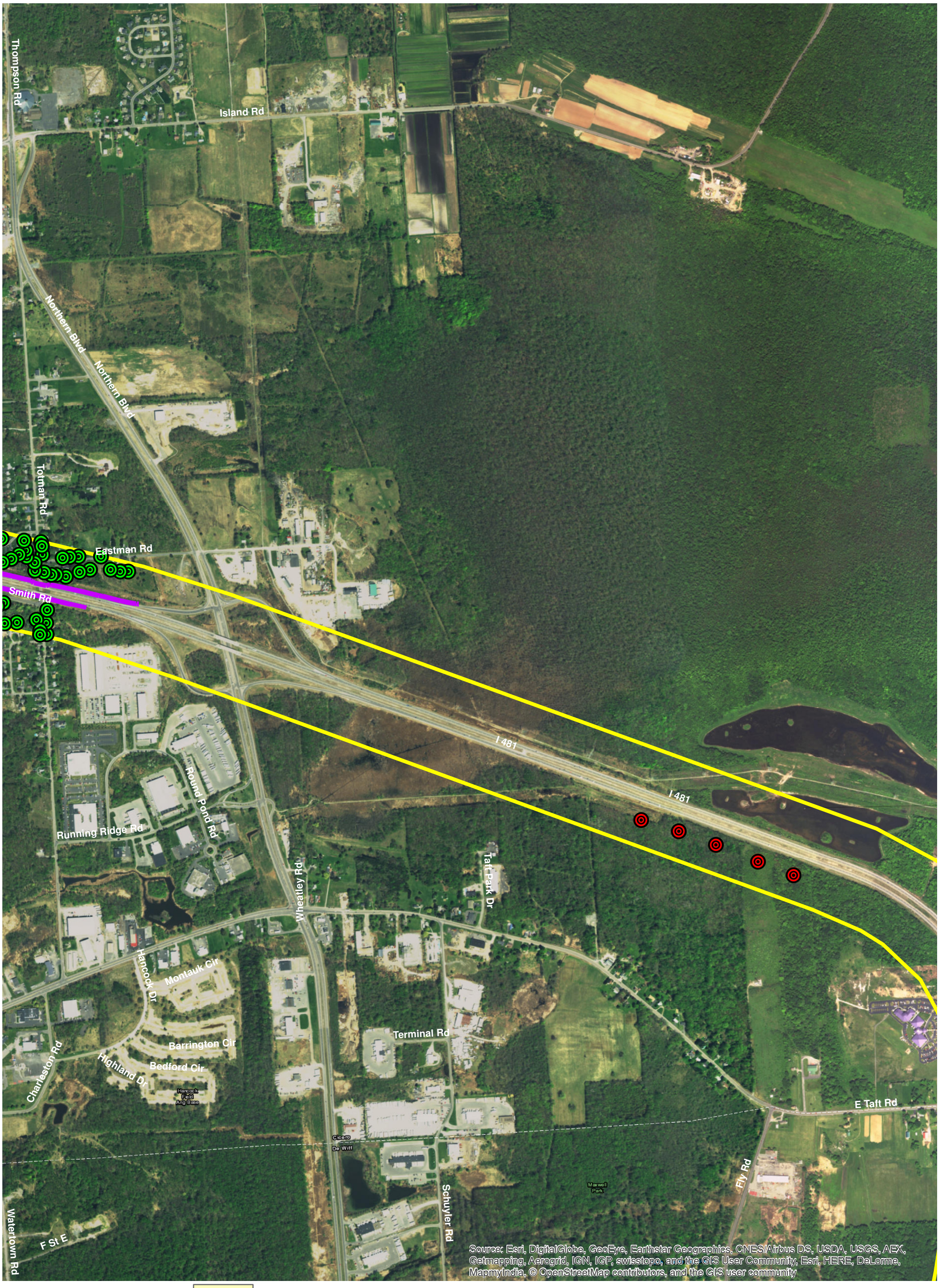
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

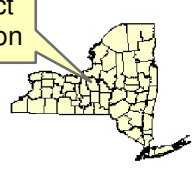
Date: 10/24/2016

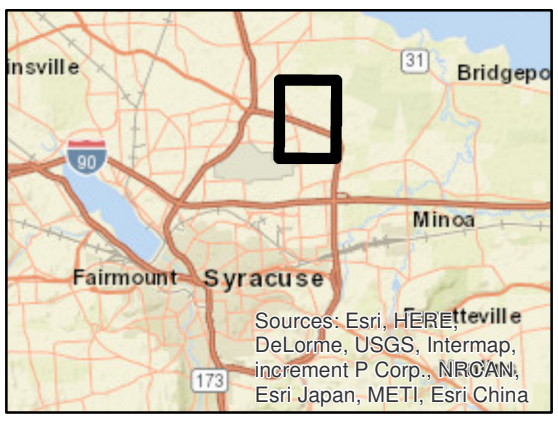


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

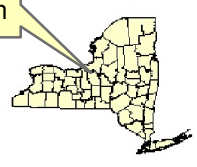
E Taft Rd
All Nations Blvd
Bastable Rd
Cicero
Manlius
Maxwell Park
North Branch Ley Creek
I 481
Badgley Rd
Fly Rd
Airways Park Dr
Canada Dr
Collamer Rd
Collamer
Brittonfield Pkwy
Collamer Crossing Pkwy
Sand Hill Rd
Law Dr
Hazelnut Cir
Russell Ln
Kame Way
Schuyler Rd
Emilie Ln
Temple Dr
Loucks Rd
Fremont Rd
I 90
Myers Rd
Polkville
New Venture Gear Dr
Fair Lakes Rd
Chrysler Ln
Pheasant Rd
Technology Pl

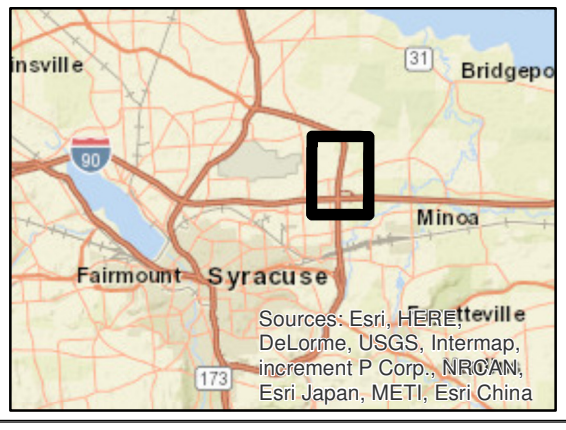
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





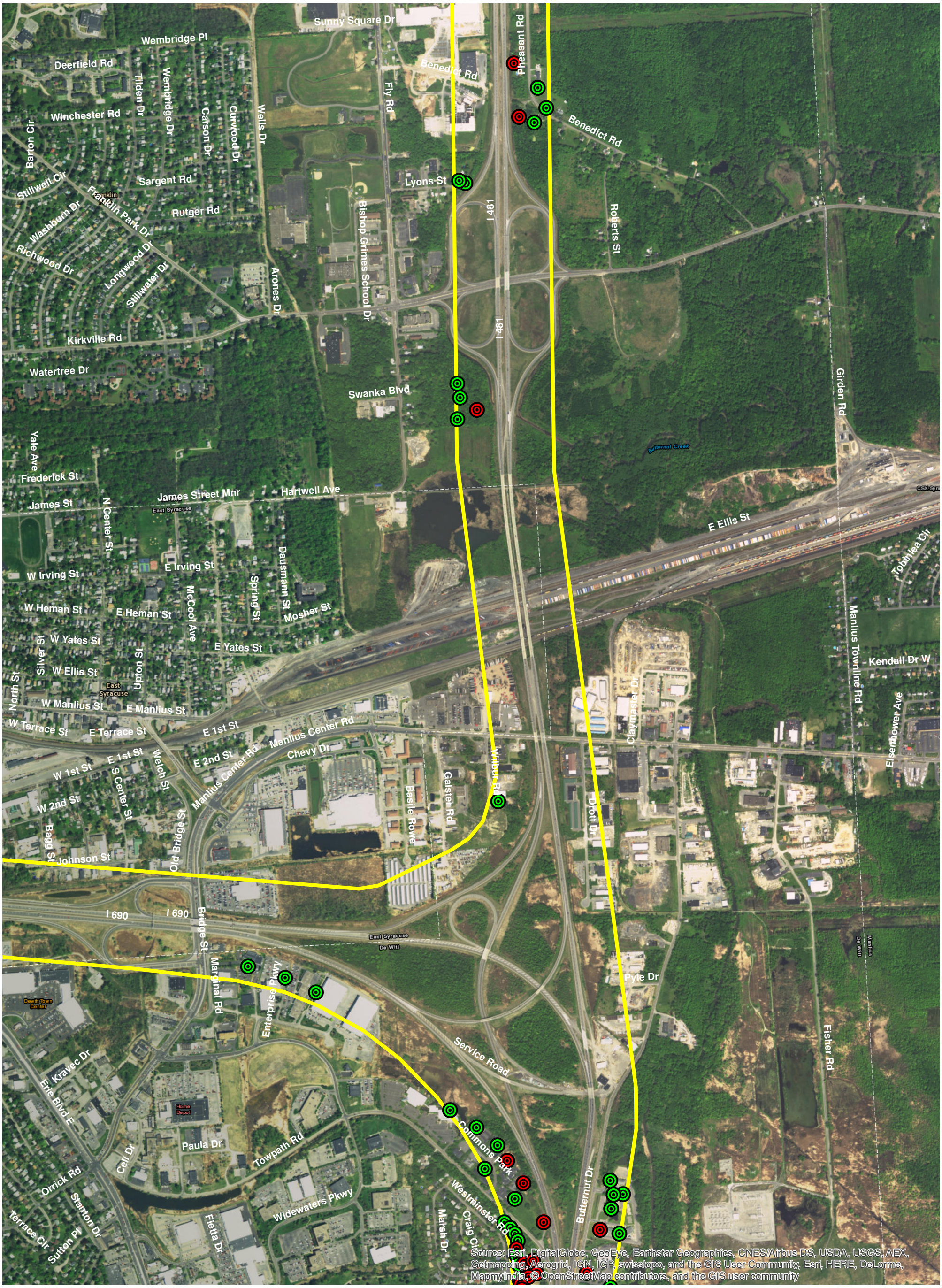
WATTS ARCHITECTURE & ENGINEERING

0 650 1,300 2,600 Feet

V4 2050 - Noise Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

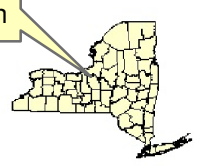
Date: 10/24/2016

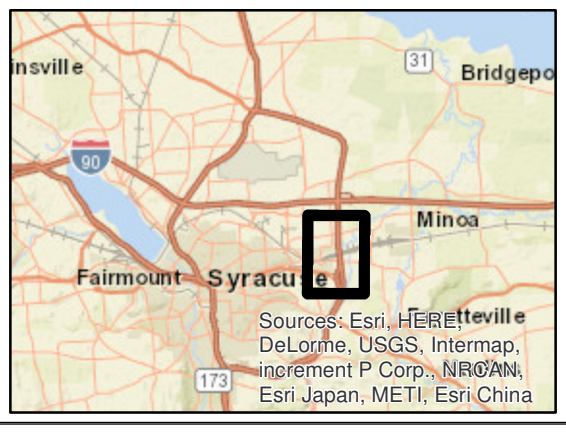


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

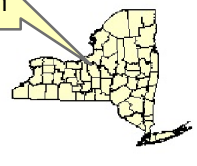
Date: 10/24/2016

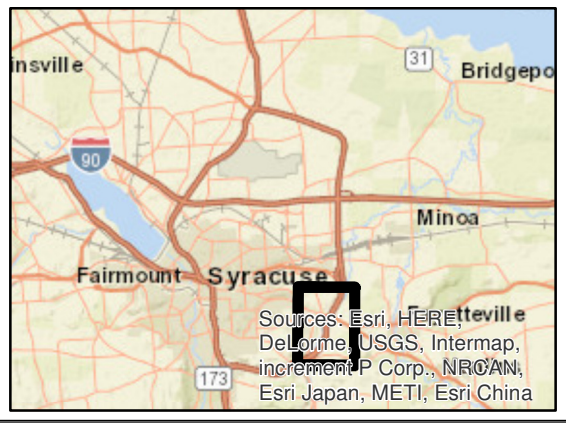


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





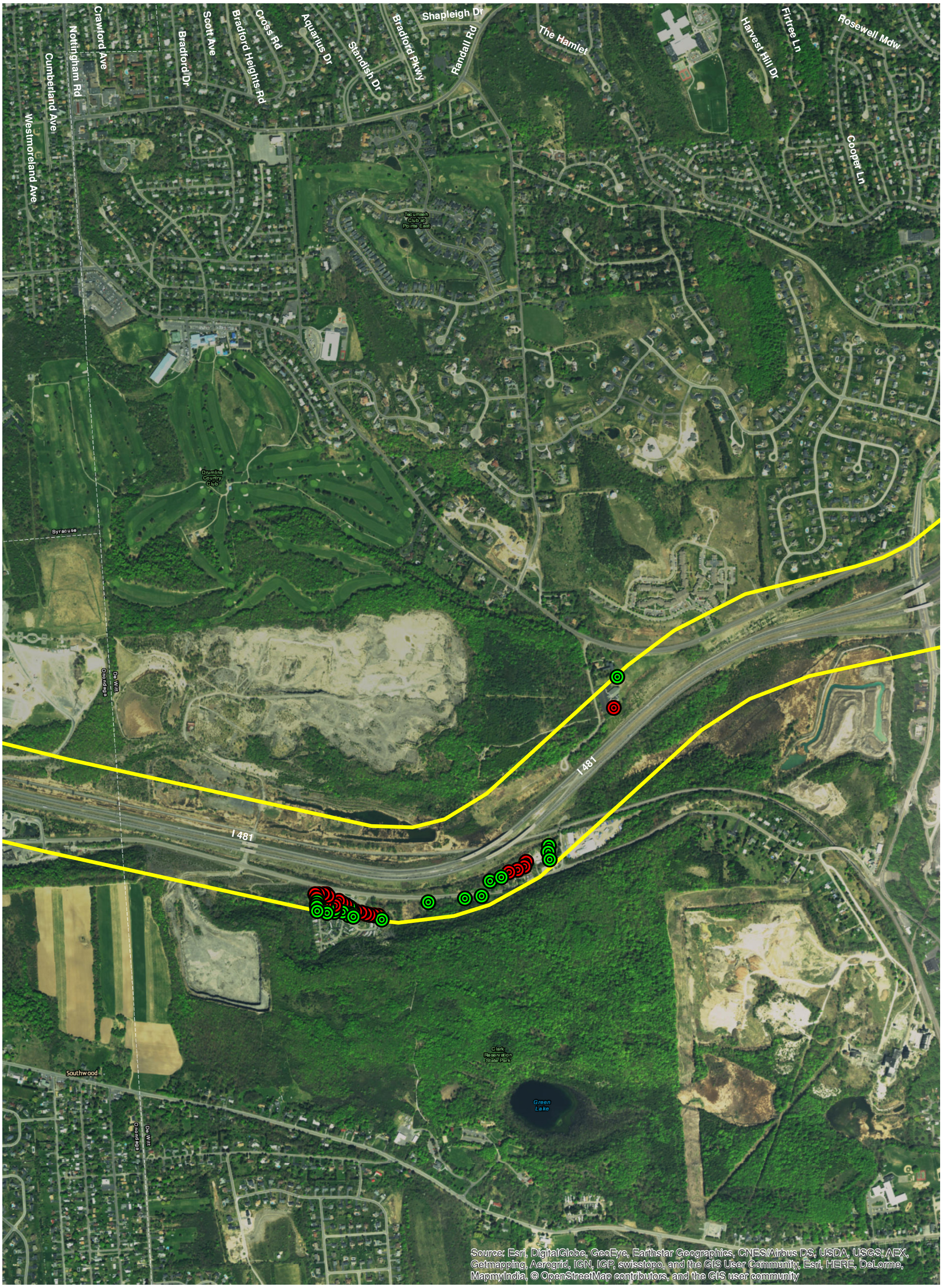
WATTS ARCHITECTURE & ENGINEERING

0 650 1,300 2,600 Feet

V4 2050 - Noise Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

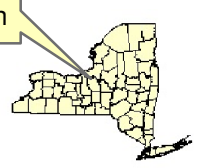
Date: 10/24/2016

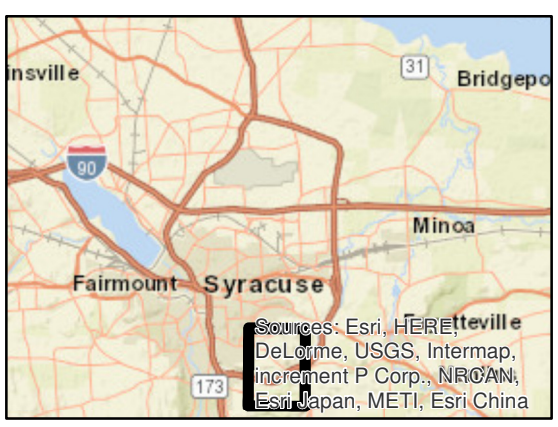


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





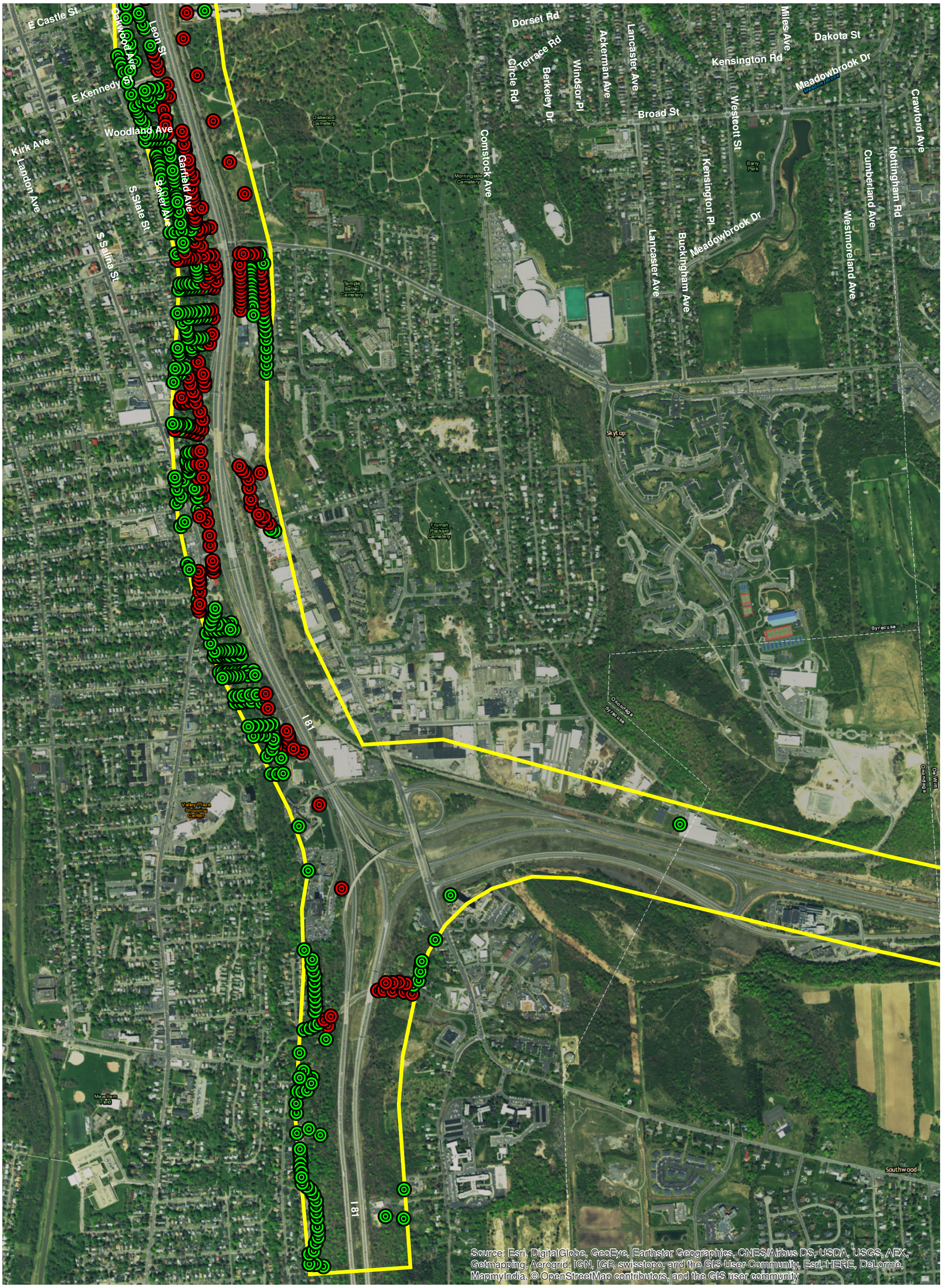
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

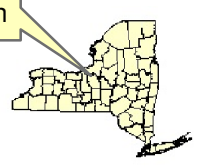
Date: 10/24/2016

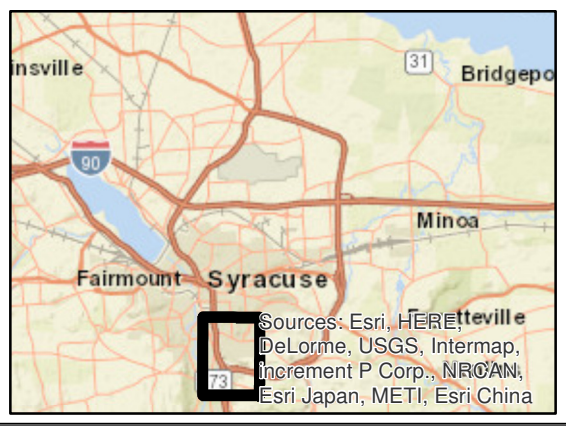


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





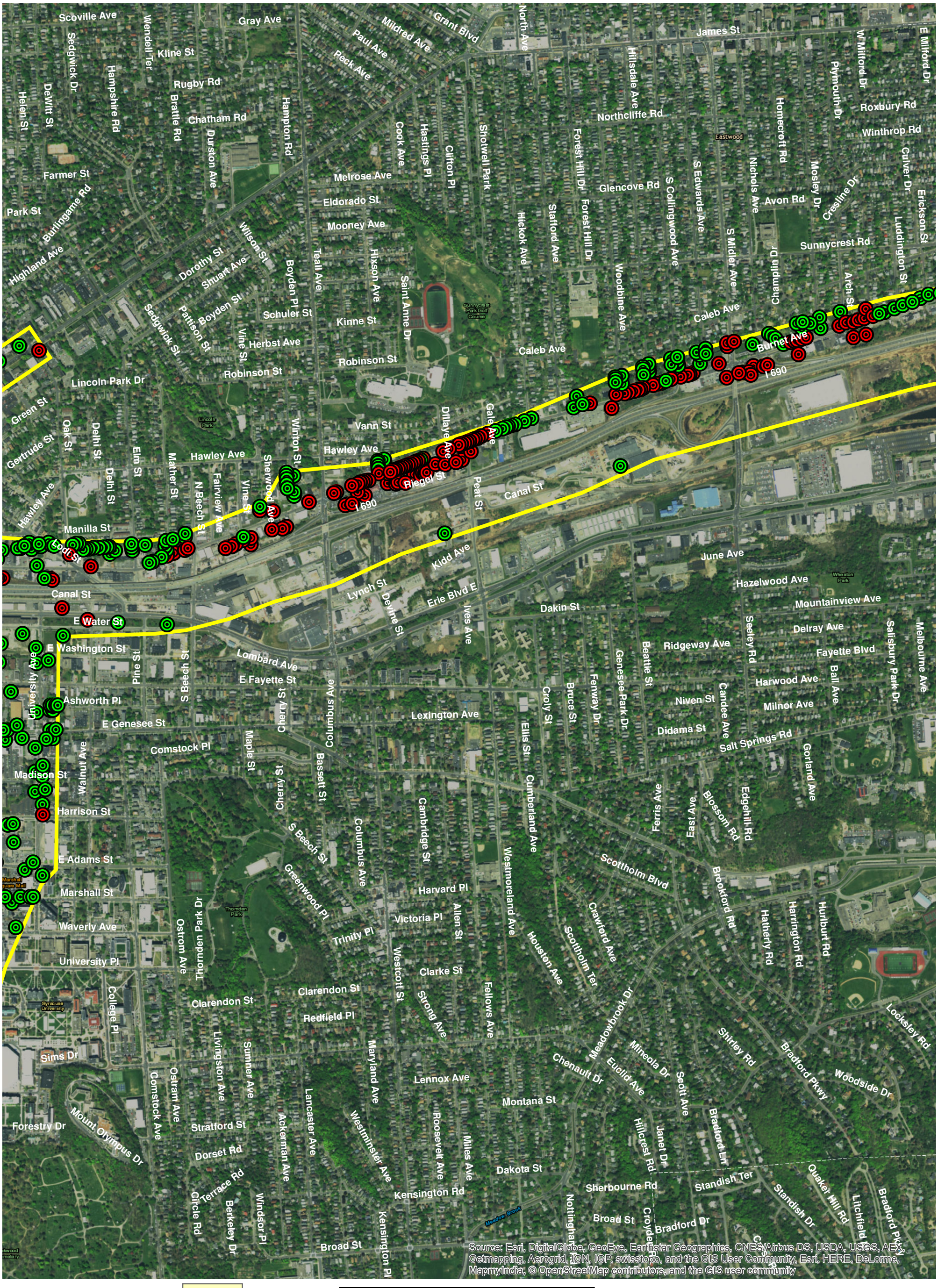
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 10 of 12)

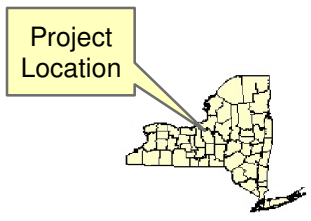
I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

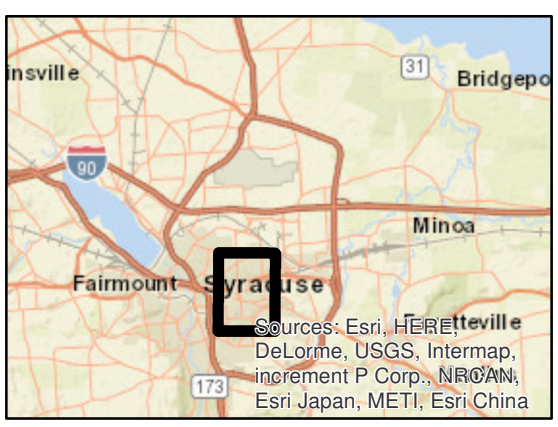
Date: 10/24/2016



Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits





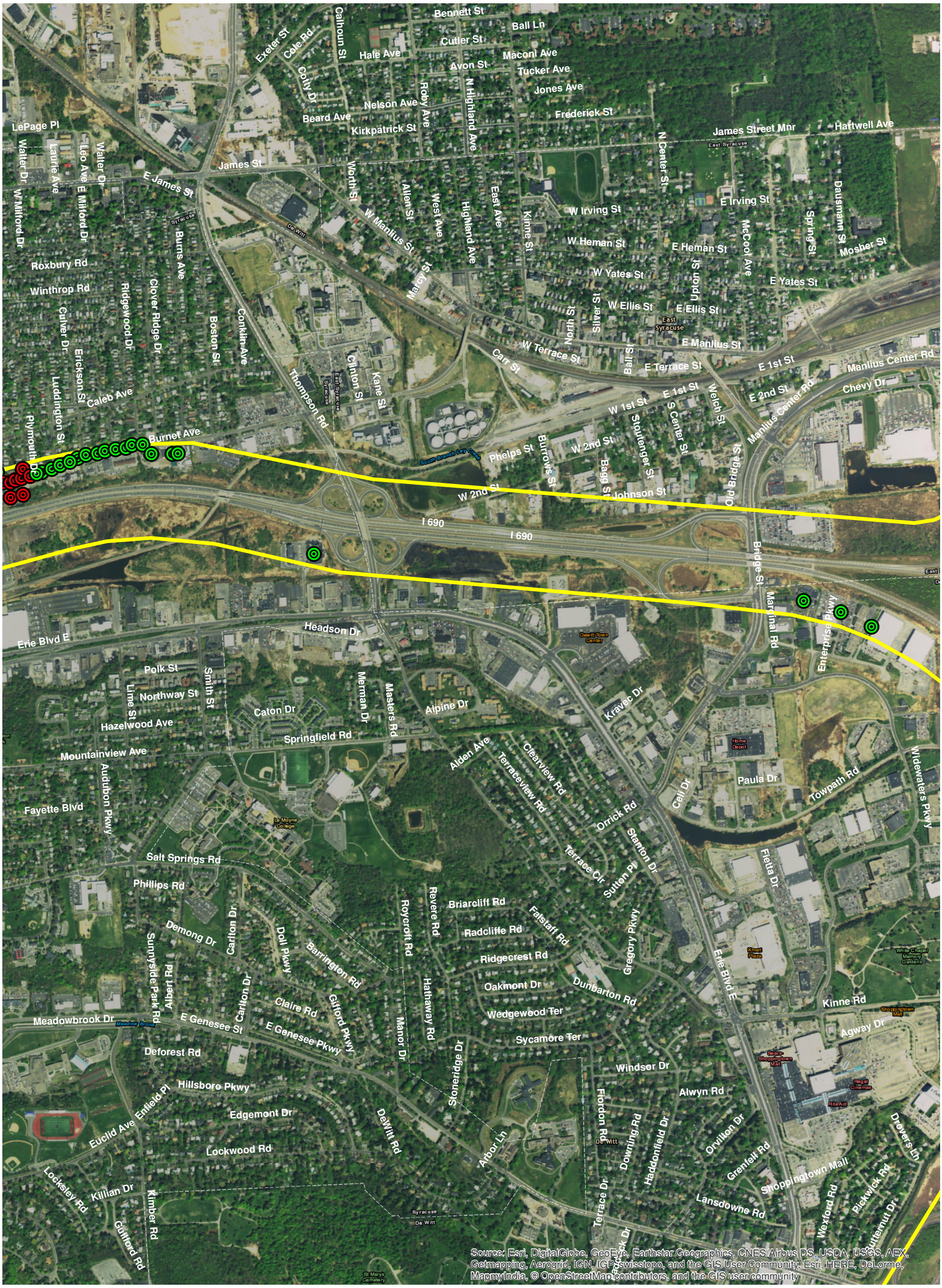
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

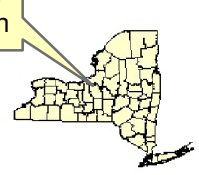
Date: 10/24/2016

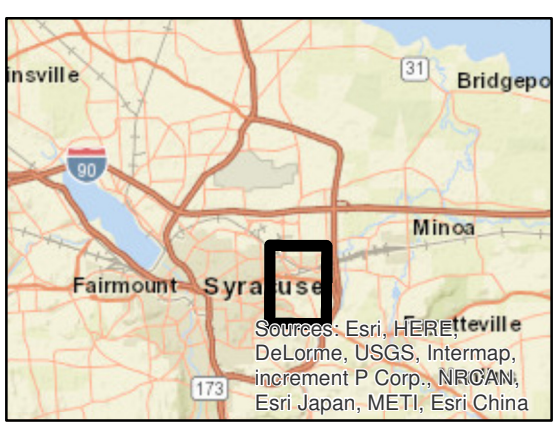


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 2050 - Noise Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/24/2016

ATTACHMENT G

2050 Viaduct Alternative – Option 4 (V4) Conditions Noise Abatement Figures

Noise Barrier 14:
Noise Impacts = 10
Benefitted Receptors = 10
Feasible = Yes
Reasonable = Yes

Noise Barrier 13A/B/C:
Noise Impacts = 39
Benefitted Receptors = 13
Feasible = No
Reasonable = No

Noise Barrier 11E:
Noise Impacts = 10
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 11C/D:
Noise Impacts = 99
Benefitted Receptors = 184
Feasible = Yes
Reasonable = Yes

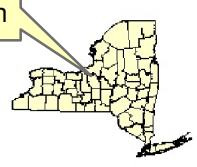
Noise Barrier 12A:
Noise Impacts = 14
Benefitted Receptors = 4
Feasible = No
Reasonable = No

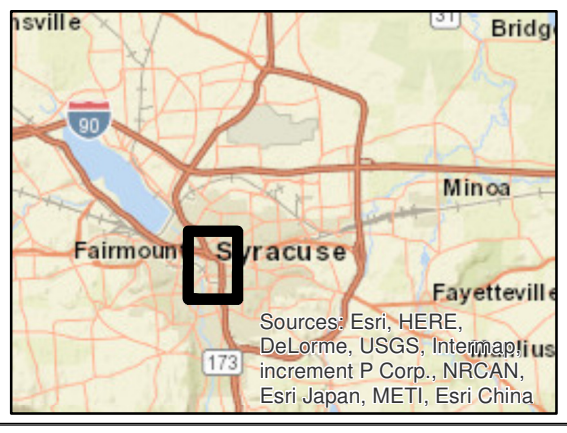
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Downtown Exclusion Areas*
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 12/21/2016

Noise Barriers 15A and B:
Noise Impacts = 14
Benefitted Receptors = 10
Feasible = Yes
Reasonable = No

Noise Barrier 14:
Noise Impacts = 10
Benefitted Receptors = 10
Feasible = Yes
Reasonable = Yes

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community; Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Existing Noise Barrier
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China

0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

Noise Barrier 16:
Noise Impacts = 9
Benefitted Receptors = 11
Feasible = Yes
Reasonable = No

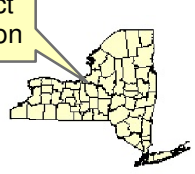
Noise Barrier 17:
Noise Impacts = 5
Benefitted Receptors = 7
Feasible = No
Reasonable = No

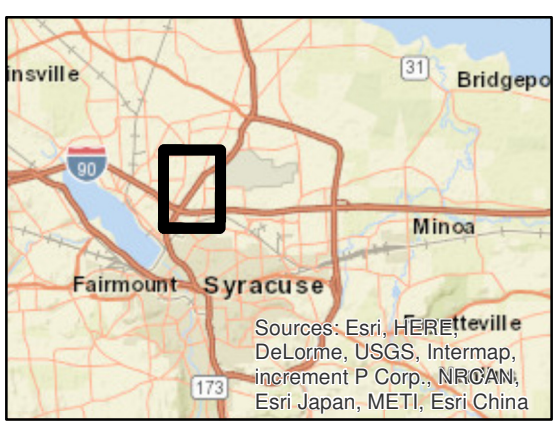
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Existing Noise Barrier
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

Noise Barrier 4B:
Noise Impacts = 17
Benefitted Receptors = 18
Feasible = Yes
Reasonable = Yes

Noise Barrier 3:
Noise Impacts = 22
Benefitted Receptors = 33
Feasible = Yes
Reasonable = Yes

Noise Barrier 4A:
Noise Impacts = 2
Benefitted Receptors = 3
Feasible = Yes
Reasonable = No

Noise Barrier 1:
Noise Impacts = 60
Benefitted Receptors = 90
Feasible = Yes
Reasonable = Yes

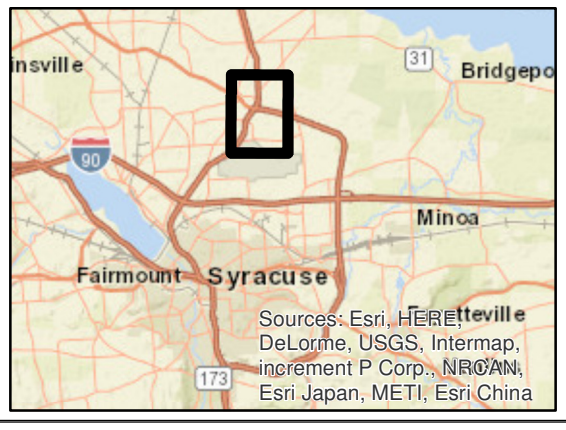
Noise Barrier 2:
Noise Impacts = 44
Benefitted Receptors = 58
Feasible = Yes
Reasonable = Yes

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Existing Noise Barrier
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location



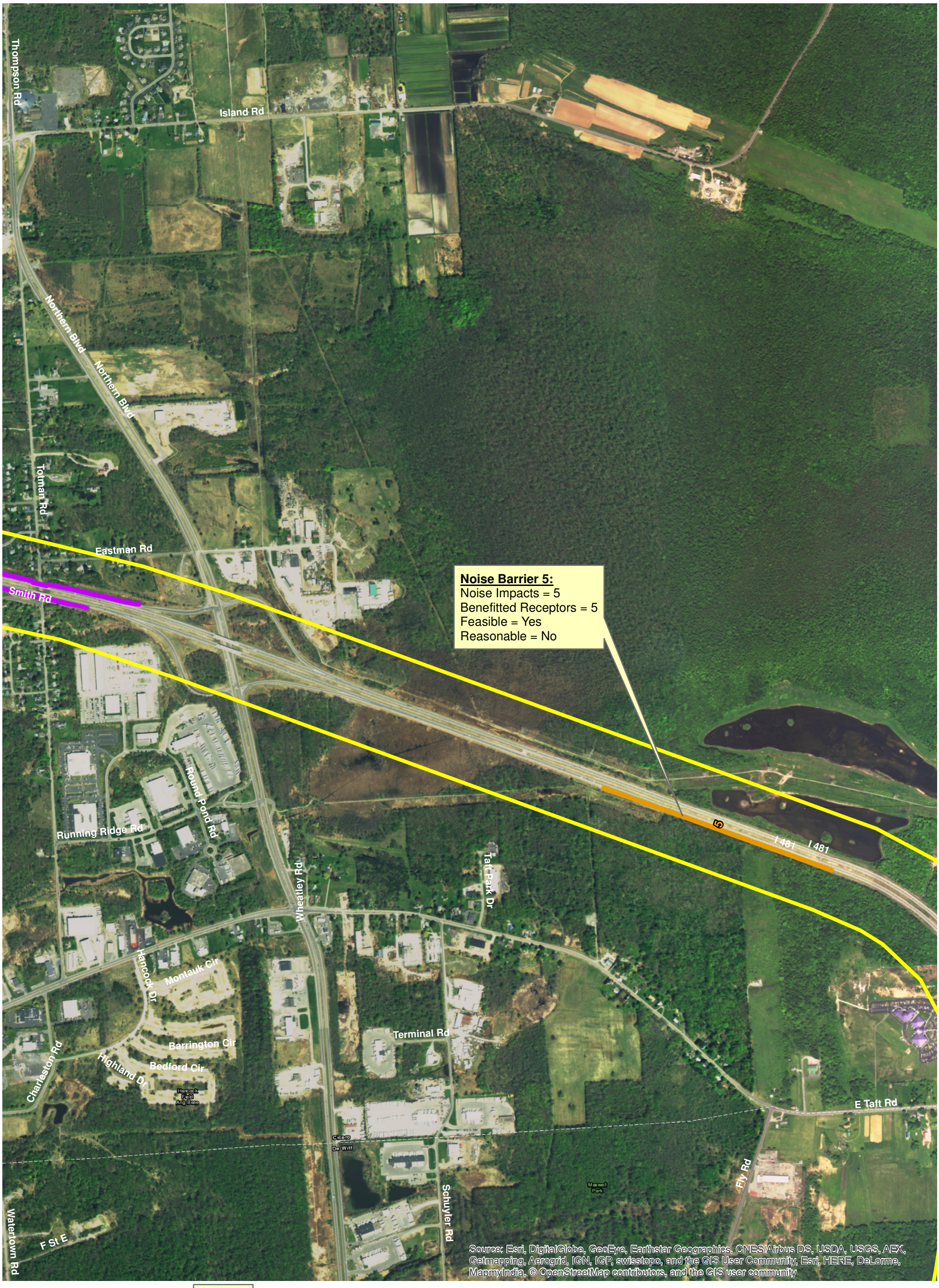
WATTS ARCHITECTURE & ENGINEERING

0 650 1,300 2,600 Feet

V4 Barrier Analysis Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

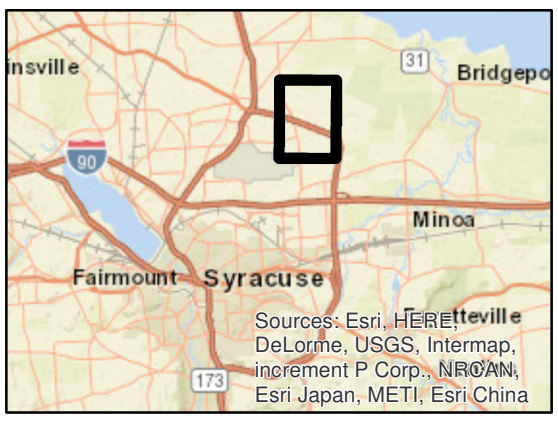
Date: 11/29/2016



Legend

- Project Study Area Limits
- Existing Noise Barrier
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location



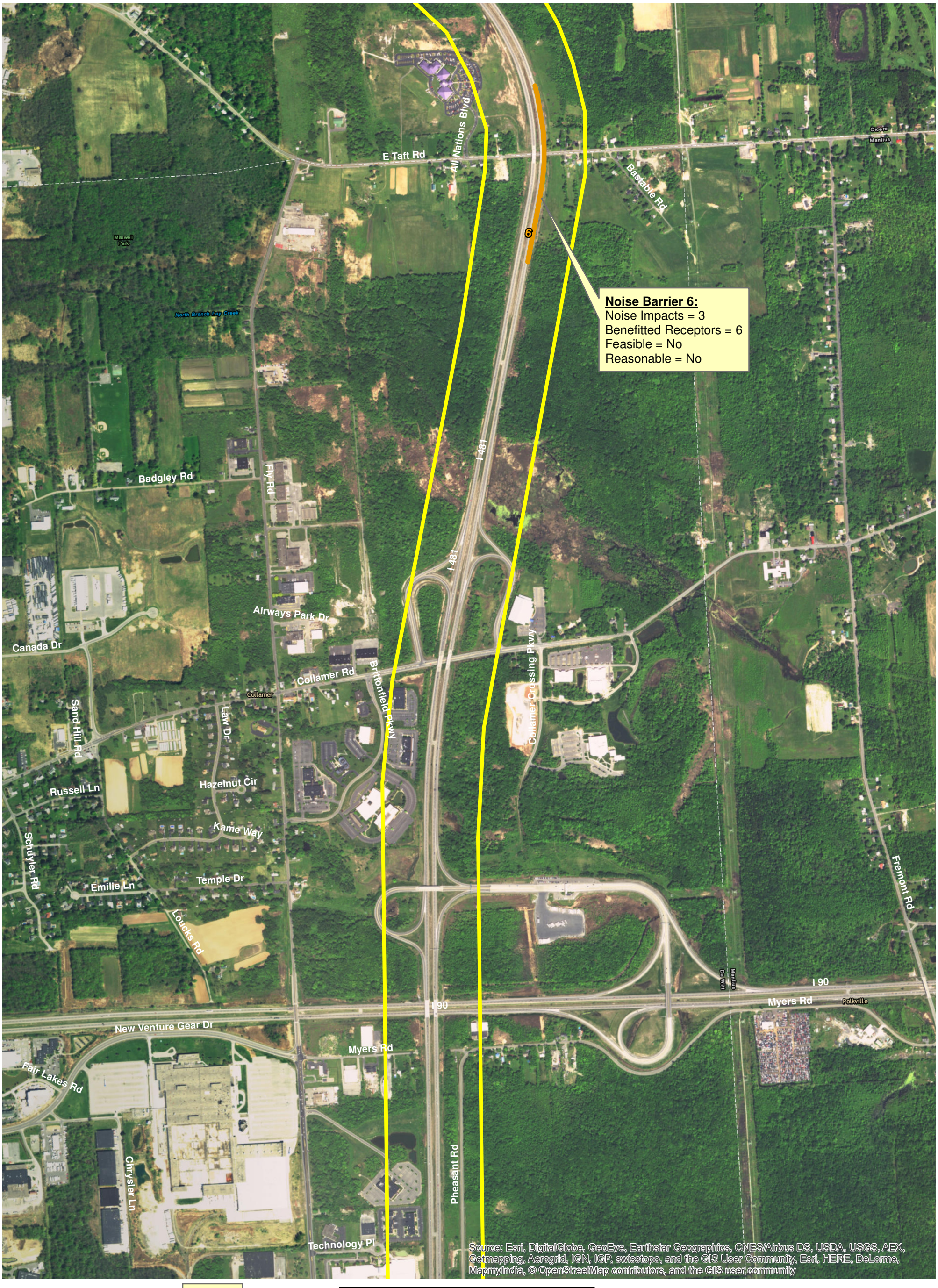
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

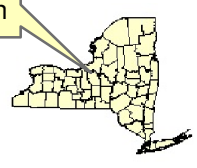
Date: 11/29/2016

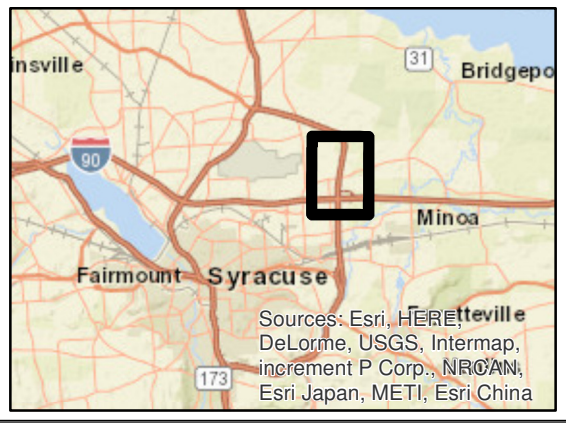


Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





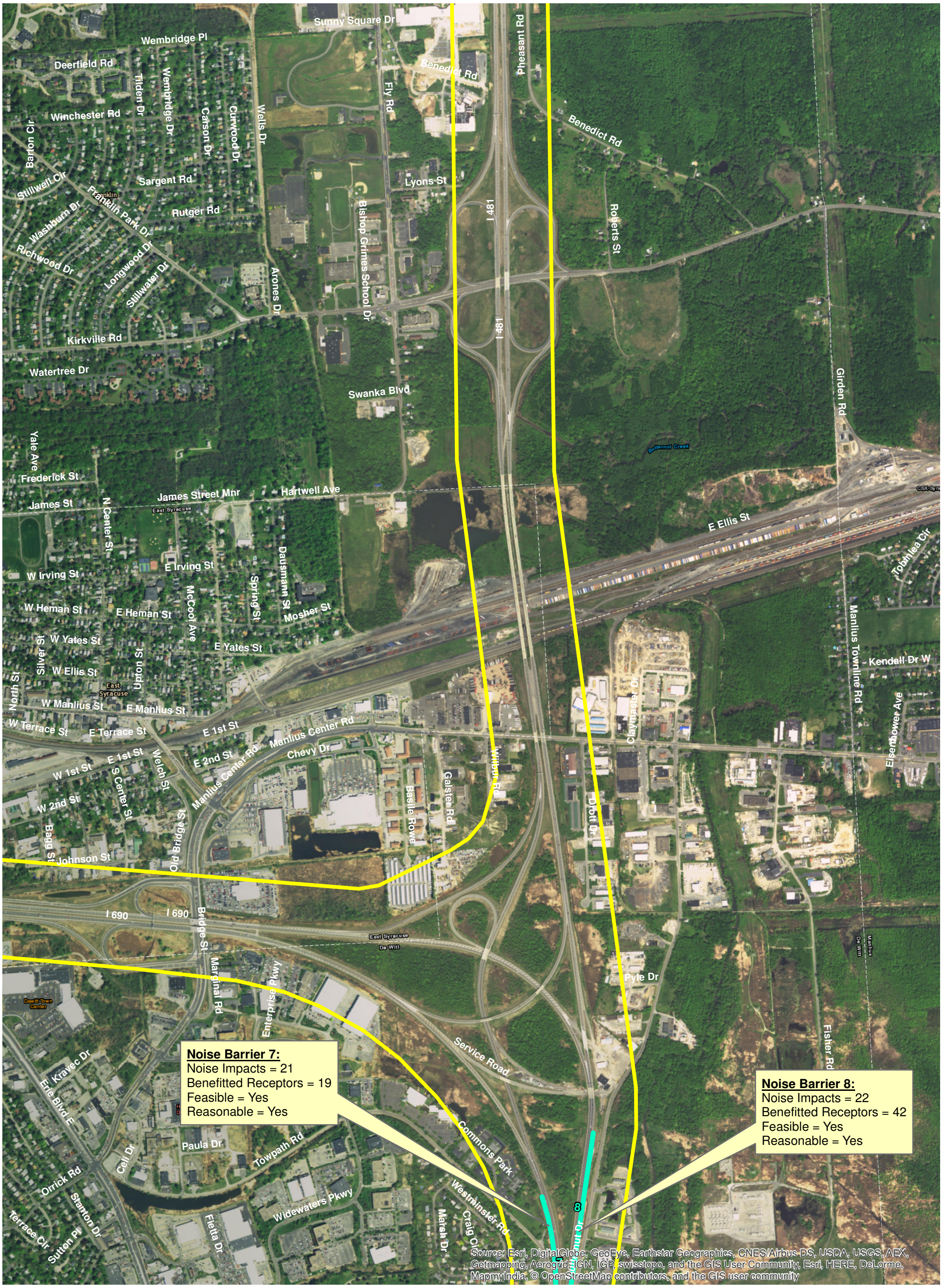
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

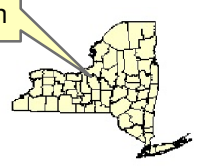
Date: 11/29/2016

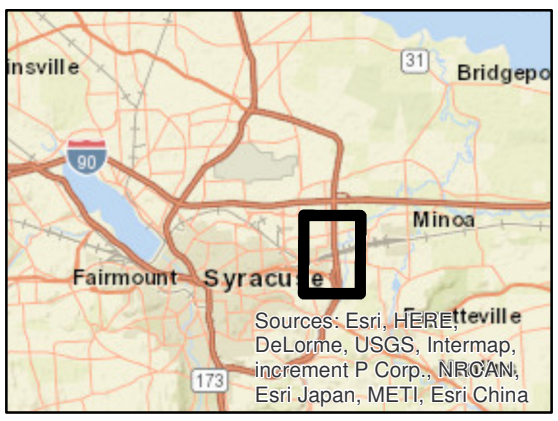


Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

Noise Barrier 7:
Noise Impacts = 21
Benefitted Receptors = 19
Feasible = Yes
Reasonable = Yes

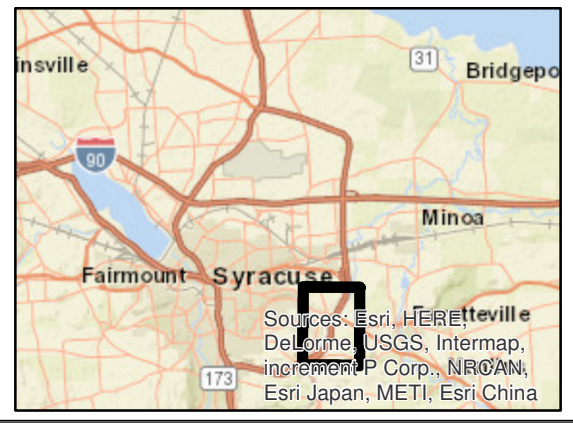
Noise Barrier 8:
Noise Impacts = 22
Benefitted Receptors = 42
Feasible = Yes
Reasonable = Yes

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location



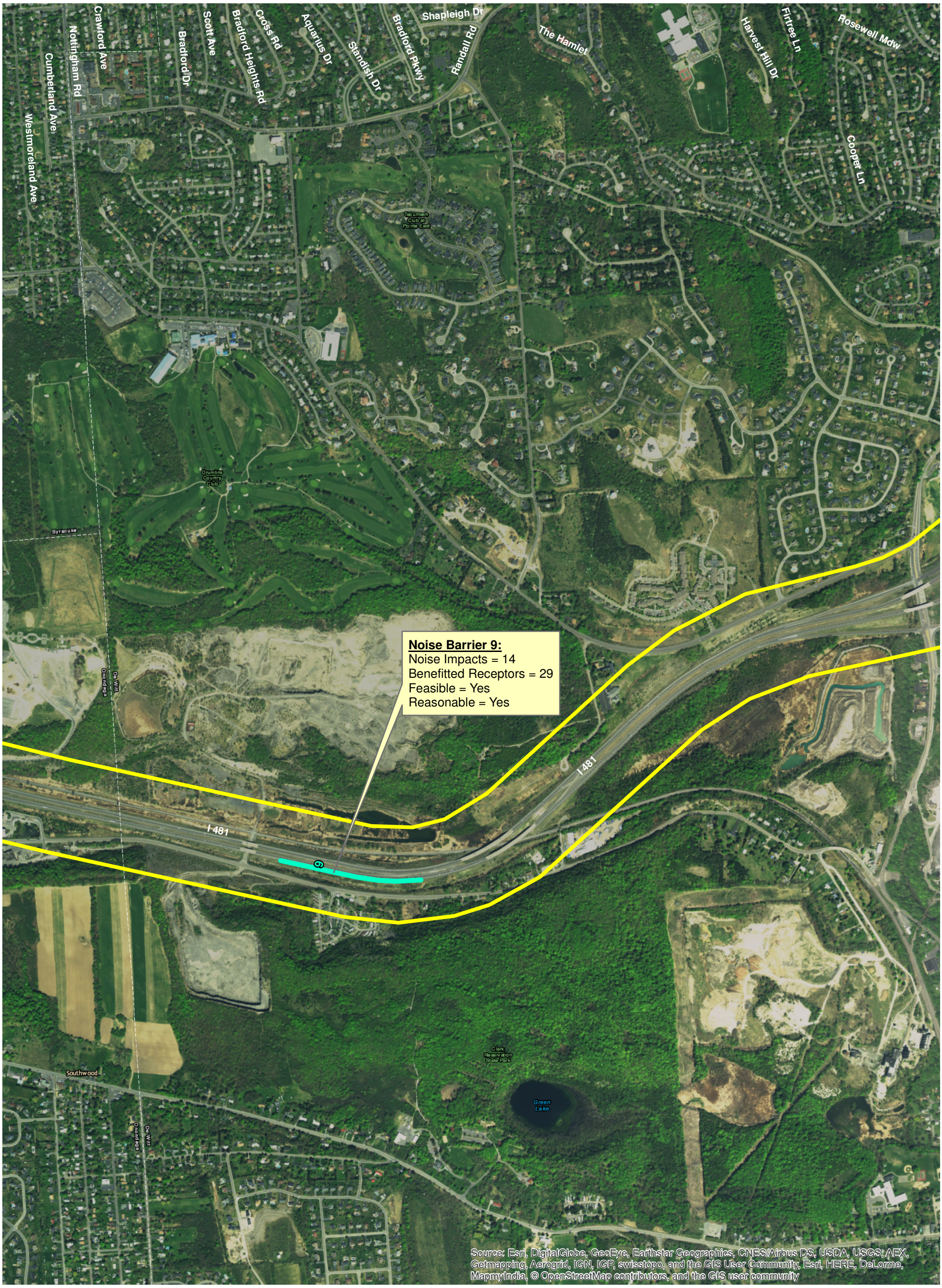
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

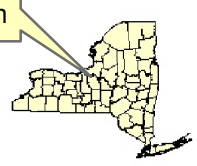
Date: 11/29/2016

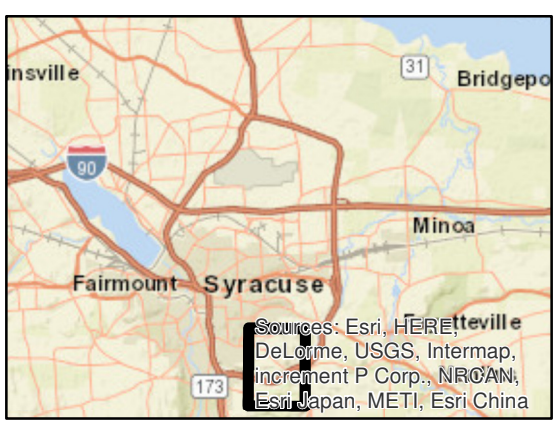


Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

Noise Barrier 12A:
Noise Impacts = 14
Benefitted Receptors = 4
Feasible = No
Reasonable = No

Noise Barrier 11E:
Noise Impacts = 10
Benefitted Receptors = 0
Feasible = No
Reasonable = No

Noise Barrier 12B:
Noise Impacts = 30
Benefitted Receptors = 47
Feasible = Yes
Reasonable = Yes

Noise Barrier 11C/D:
Noise Impacts = 99
Benefitted Receptors = 184
Feasible = Yes
Reasonable = Yes

Noise Barrier 12C:
Noise Impacts = 12
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

Noise Barrier 11B:
Noise Impacts = 35
Benefitted Receptors = 9
Feasible = No
Reasonable = No

Noise Barrier 11A:
Noise Impacts = 32
Benefitted Receptors = 31
Feasible = Yes
Reasonable = No

Noise Barrier 11F:
Noise Impacts = 2
Benefitted Receptors = 9
Feasible = No
Reasonable = No

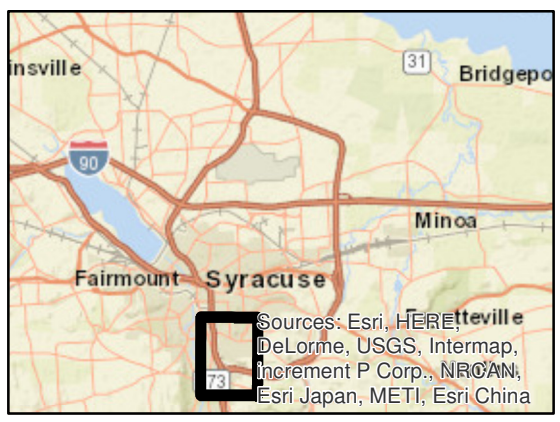
Noise Barrier 10:
Noise Impacts = 9
Benefitted Receptors = 1
Feasible = No
Reasonable = No

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location



0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 12/5/2016

Noise Barrier 13A/B/C:
Noise Impacts = 39
Benefitted Receptors = 13
Feasible = No
Reasonable = No

Noise Barrier 13D/E/F:
Noise Impacts = 26
Benefitted Receptors = 28
Feasible = Yes
Reasonable = Yes

Noise Barrier 13G:
Noise Impacts = 10
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

Noise Barrier 13H:
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

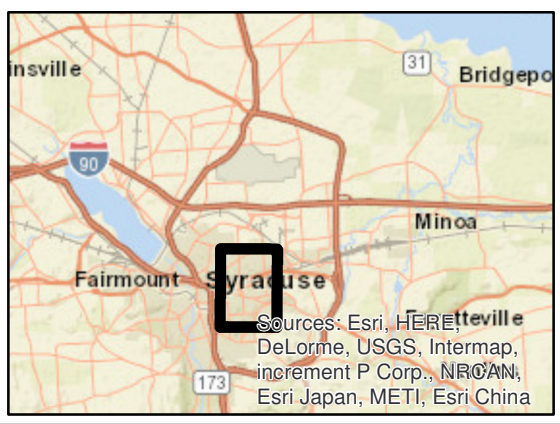
Noise Barrier 13I:
Noise Impacts = 10
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location



0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

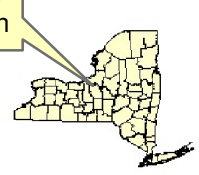
Date: 12/21/2016

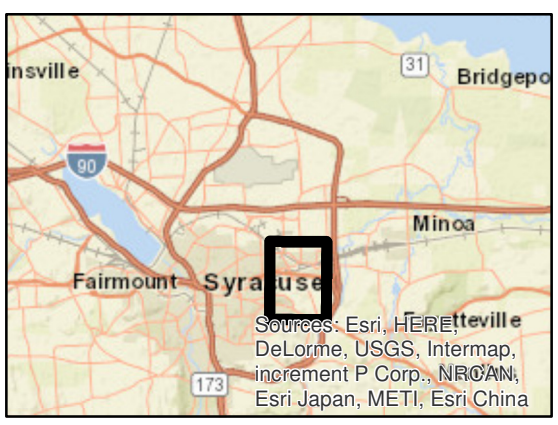


Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

V4 Barrier Analysis Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 12/20/2016

ATTACHMENT H

2050 Viaduct Alternative – Option 4 (V4) Conditions Noise Abatement Barrier Location Coordinates and Dimensions Tables

Tables: Viaduct Alternative Noise Abatement Barrier Location Coordinates and Dimensions
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Noise Barrier 1						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point3984	1108	944706.60	1144915.80	400	--	
point3985	1109	944735.00	1144817.00	397	102.80	
point3986	1110	944744.40	1144774.80	396	43.23	
point3987	1111	944788.40	1144570.40	390	209.08	
point3988	1112	944828.10	1144391.50	389	183.25	
point3989	1113	944856.20	1144242.40	390	151.72	
point3990	1114	944865.30	1144124.10	391	118.65	
point3996	1115	944852.40	1143994.80	392	129.94	
point3992	1116	944813.40	1143861.30	394	139.08	
point3993	1117	944769.70	1143762.00	397	108.49	
point3994	1118	944675.60	1143623.40	401	167.53	
point3995	1119	944546.00	1143455.80	405	211.86	
point839	1120	944372.60	1143232.00	411	283.11	
point840	1121	944259.50	1143079.10	414	190.18	12
point842	1122	944224.10	1143025.40	415	64.32	
point843	1123	944181.40	1142946.30	416	89.89	
point844	1124	944130.40	1142830.90	416	126.17	
point845	1125	944065.20	1142688.90	416	156.25	
point846	1126	944010.90	1142561.80	415	138.21	
point847	1127	943974.30	1142442.40	414	124.88	
point848	1128	943938.70	1142282.80	412	163.52	
point850	1129	943916.90	1142134.60	410	149.79	
point851	1130	943909.20	1142034.30	407	100.60	
point852	1131	943908.70	1141823.30	405	211.00	
point854	1132	943928.70	1141426.80	407	397.00	
point855	1133	943932.80	1141240.50	407	186.35	
point856	1134	943923.20	1141033.50	407	207.22	
Total SF		49850				

Noise Barrier 2						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point865	1162	943944.90	1140391.10	408	--	
point866	1163	944004.60	1140622.50	408	238.98	
point868	1164	944025.00	1140727.80	409	107.26	
point869	1165	944054.90	1140947.40	409	221.63	
point870	1166	944067.10	1141143.00	409	195.98	
point872	1167	944068.40	1141220.30	408	77.31	
point1557	1168	944055.20	1141551.30	405	331.26	
point873	1169	944042.30	1141785.30	405	234.36	12
point875	1170	944049.10	1142090.10	408	304.88	
point876	1171	944078.90	1142298.60	410	210.62	
point878	1172	944105.00	1142410.30	412	114.71	
point879	1173	944181.40	1142654.80	415	256.16	
point880	1174	944244.20	1142792.90	415	151.71	
point882	1175	944389.50	1143008.80	413	260.24	

point883	1176	944494.80	1143151.40	410	177.26	
Total SF		34588				

Noise Barrier 3						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point910	1186	946287.60	1150033.40	400.00	--	14
point10132	1250	946309.50	1149715.50	399.00	318.65	
point10133	1249	946330.40	1149396.80	396.00	319.38	
point911	1187	946367.20	1148843.00	390.00	555.02	
point1553	1188	946394.10	1148426.10	387.00	417.77	
point1554	1189	946420.20	1148052.00	387.00	375.01	
point912	1190	946425.50	1147975.00	388.00	77.18	
point913	1191	946434.80	1147814.30	390.00	160.97	
point914	1192	946455.30	1147498.90	395.00	316.07	
point915	1193	946469.40	1147284.60	397.00	214.76	
point4016	1194	946481.20	1147101.00	398.00	183.98	
point4017	1195	946487.30	1146886.40	397.00	214.69	
point4018	1196	946475.20	1146706.90	397.00	179.91	
point3955	1197	946456.80	1146551.30	395.50	156.68	
point3956	1198	946426.00	1146392.10	395.00	162.15	
point3957	1199	946396.50	1146270.50	393.00	125.13	
point3958	1200	946369.60	1146191.90	392.00	83.08	
point3959	1201	946336.00	1146126.30	391.00	73.70	
point3960	1202	946302.60	1146069.90	390.00	65.55	
point3961	1203	946225.00	1145975.50	390.00	122.20	
point3962	1204	946125.10	1145887.10	390.00	133.40	
point3963	1205	946056.80	1145841.60	390.00	82.07	
point3964	1206	945991.80	1145807.80	389.00	73.26	
point3965	1207	945748.30	1145702.10	385.00	265.45	
Total SF		65465				

Noise Barrier 4A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point3932	1231	946774.00	1145996.40	395	--	14
point3933	1232	946740.40	1146114.30	396	122.59	
point3939	1233	946705.10	1146266.00	397	155.75	
point3935	1234	946671.20	1146466.80	398	203.64	
point3936	1235	946646.80	1146753.80	399	288.04	
Total SF		10780				

Noise Barrier 4B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1551	1242	946542.60	1148195.90	387.00	--	14
point1552	1243	946527.80	1148422.80	387.00	227.38	
point907	1244	946498.60	1148854.30	390.00	432.49	
point10130	1247	946462.30	1149409.60	396.00	556.49	
point10131	1248	946440.00	1149729.80	399.00	320.98	

point4037	1245	946419.10	1150039.80	400.00	310.70	
point4038	1246	946403.40	1150271.80	400.00	232.53	
Total SF		29128				

Noise Barrier 5						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1140		958187.10	1141546.00	410.25	--	
pt 1139		958679.40	1141368.10	410.5	523.46	
pt 3359		959663.90	1141012.50	411	1046.75	12
pt 3360		960569.80	1140685.10	414	963.25	
pt 1141		960825.00	1140592.10	413	271.62	
Total SF		33661				

Noise Barrier 6						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1038	1127	962797.60	1136654.80	420	--	
pt 1534	1128	962838.90	1136869.80	425	218.93	
pt 1040	1129	962866.50	1137012.50	428	145.34	
pt 1041	1130	962878.60	1137076.30	430	64.94	
pt 1535	1131	962918.60	1137286.30	435	213.78	
pt 1042	1132	962965.80	1137574.30	440	291.84	
pt 1043	1133	962981.70	1137736.10	440	162.58	20
pt 1045	1134	962986.60	1137797.10	441	61.20	
pt 1046	1135	962987.40	1138004.10	441	207.00	
pt 1048	1136	962982.30	1138107.30	440	103.33	
pt 1049	1137	962978.00	1138164.00	440	56.86	
pt 1050	1138	962912.50	1138576.00	434	417.17	
pt 1051	1139	962881.10	1138698.80	430	126.75	
Total SF		41394				

Noise Barrier 7						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point2463	1055	962215.60	1111234.60	422.00	--	
point2464	1056	962282.70	1110999.10	422.00	244.87	
point2465	1057	962316.40	1110842.80	422.00	159.89	
point488	1058	962341.20	1110697.10	422.00	147.80	
point489	1059	962360.20	1110539.80	424.00	158.44	
point490	1060	962373.20	1110336.60	427.00	203.62	16
point491	1061	962373.10	1110107.30	430.00	229.30	
point493	1062	962367.80	1110005.00	432.00	102.44	
point494	1063	962344.00	1109776.80	435.00	229.44	
point495	1064	962265.80	1109389.10	435.00	395.51	
point497	1065	962153.50	1109045.50	432.00	361.49	
Total SF		35725				

Noise Barrier 8						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**

point2078	1070	961135.20	1105950.00	431.00	--	
point2078-2	1071	961109.90	1106360.60	428.50	411.38	
point2079	1072	961084.10	1106771.10	426.00	411.31	
point2080	1073	961096.90	1106876.90	427.00	106.57	
point2081	1074	961127.70	1106968.80	427.00	96.92	
point454	1075	961234.00	1107156.00	426.00	215.28	
point1521	1076	961434.20	1107483.50	425.00	383.84	
point1521-2	1077	961653.20	1107857.00	425.00	432.97	12
point1522	1078	961878.50	1108226.80	425.00	433.03	
point455	1079	962006.00	1108436.40	427.00	245.33	
point457	1080	962093.40	1108585.30	429.00	172.66	
point458	1081	962183.00	1108760.60	430.00	196.87	
point460	1082	962249.30	1108908.40	432.00	161.99	
point461	1083	962320.90	1109092.60	433.00	197.63	
point462	1084	962379.80	1109275.60	435.00	192.25	
point462	1084	962379.80	1109275.60	435.00	--	
point464	1085	962417.40	1109416.10	436.00	145.44	
point465	1086	962461.00	1109613.10	436.00	201.77	
point466	1087	962494.30	1109825.50	434.00	214.99	
point468	1088	962531.60	1110081.00	430.00	258.21	
point470	1089	962550.60	1110210.80	428.00	131.18	
point1523	1090	962582.90	1110428.80	425.00	220.38	14
point2527	1091	962640.00	1110824.10	425.00	399.40	
point2528	1092	962662.40	1110975.50	425.00	153.05	
point2529	1093	962693.70	1111190.80	430.00	217.56	
point2530	1094	962741.50	1111519.30	436.00	331.96	
point2531	1095	962789.40	1111844.90	440.00	329.10	
point2532	1096	962807.30	1111972.00	441.00	128.35	
Total SF		82136				

Noise Barrier 9						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point116	1027	948815.40	1094775.00	580.00	--	
point117	1028	949012.20	1094731.60	580.00	201.53	
point118	1029	949398.70	1094646.60	582.00	395.74	
point40	1030	949692.90	1094583.40	584.00	300.91	12
point41	1031	949936.30	1094547.00	585.00	246.11	
point42	1032	950146.50	1094535.60	586.00	210.51	
point43	1033	950434.70	1094551.10	587.00	288.62	
Total SF		19721				

Noise Barrier 10						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point8197	1149	940308.80	1093728.00	625.00	--	
point8198	1150	940348.00	1093925.30	620.00	201.16	
point8199	1151	940375.60	1094057.30	615.00	134.85	
point8200	1152	940404.80	1094190.50	610.00	136.36	

point8201	1153	940413.60	1094231.90	609.00	42.32	
point8202	1154	940425.40	1094297.60	606.00	66.75	
point8212	1155	940459.00	1094456.60	599.00	162.51	
point8213	1156	940475.30	1094529.80	595.00	74.99	20
point8214	1157	940505.00	1094642.80	590.00	116.84	
point8215	1158	940526.50	1094728.80	585.00	88.65	
point8216	1159	940554.00	1094841.30	580.00	115.81	
point8217	1160	940578.90	1094942.80	575.00	104.51	
point8218	1161	940605.40	1095049.10	570.00	109.55	
point8219	1162	940635.90	1095175.80	566.00	130.32	
point8220	1163	940672.70	1095318.00	564.00	146.88	
Total SF		32630				

Noise Barrier 11A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point8849	1025	938640.20	1099397.80	432.00	--	
point8850	1026	938689.50	1099248.50	435.00	157.23	
point8851	1027	938725.20	1099142.90	440.00	111.47	
point8852	1028	938760.90	1099056.60	445.00	93.39	
point8853	1029	938801.60	1098969.80	450.00	95.87	
point8854	1030	938853.20	1098860.90	456.00	120.51	
point8855	1031	938903.40	1098750.80	461.00	121.00	
point8856	1032	938959.40	1098622.30	465.00	140.17	
point8857	1033	939035.70	1098430.30	471.00	206.61	
point8858	1034	939099.50	1098274.80	476.00	168.08	
point8859	1035	939172.80	1098102.80	480.00	186.97	
point1197	1036	939275.50	1097885.60	486.00	240.26	
point8431	1037	939360.30	1097711.40	490.00	193.74	
point8432	1038	939434.30	1097562.60	495.00	166.18	20
point8433	1039	939518.20	1097393.10	500.00	189.13	
point8434	1040	939634.50	1097183.80	506.00	239.44	
point8435	1041	939794.40	1096860.80	510.00	360.41	
point8436	1174	939847.40	1096753.00	510.00	120.12	
point8437	1175	939936.90	1096564.60	513.00	208.58	
point8438	1176	939998.60	1096416.80	518.00	160.16	
point8439	1177	940039.90	1096298.90	522.00	124.92	
point8440	1178	940087.50	1096134.00	528.00	171.63	
point8441	1179	940129.20	1095955.30	536.00	183.50	
point8442	1180	940158.00	1095828.30	541.00	130.22	
point8443	1181	940174.30	1095710.60	545.00	118.82	
point8444	1182	940188.60	1095479.80	555.00	231.24	
Total SF		84794				

Noise Barrier 11B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
8906-2	1044	938634.20	1101770.30	470.00	--	
point8907	1045	938610.00	1101493.30	475.00	278.06	

point8908	1046	938594.40	1101272.50	477.00	221.35	
point8909	1047	938591.50	1100878.00	480.00	394.51	
8909-2	1048	938594.50	1100710.30	480.00	167.73	
point8910	1049	938596.40	1100603.40	480.00	106.92	
point8911	1050	938604.60	1100413.80	479.00	189.78	
point8912	1051	938623.40	1100202.30	475.00	212.33	20
point8913	1052	938652.10	1099972.30	470.00	231.78	
point8914	1053	938670.70	1099846.60	467.00	127.07	
point8915	1054	938688.80	1099738.80	466.00	109.31	
point8916	1055	938729.70	1099550.10	461.00	193.08	
point8917	1056	938765.20	1099385.60	458.00	168.29	
point8918	1057	938816.50	1099155.30	457.00	235.94	
point8919	1058	938845.70	1099048.10	457.00	111.11	
point8920	1059	938909.70	1098829.30	460.00	227.97	
Total SF		59504				

Noise Barrier 11C/D						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point9775	1060	937803.20	1105881.60	402.00	--	
point9775-2	1061	937818.90	1105863.80	402.00	23.73	
point9776	1062	937834.90	1105759.00	402.00	106.01	
point9777	1063	937849.00	1105682.80	403.50	77.49	
point9778	1064	937858.10	1105640.30	404.00	43.46	
point9779	1065	937880.90	1105549.90	410.00	93.23	
point9780	1066	937915.90	1105436.60	416.00	118.58	
point9781	1067	937953.40	1105334.00	422.00	109.24	
point9782	1068	937991.70	1105229.60	425.00	111.20	
point9783	1069	938059.70	1105037.90	426.00	203.40	
point9784	1070	938100.80	1104920.30	426.50	124.58	
point9785	1071	938125.70	1104835.30	427.50	88.57	
point9838	1072	938153.50	1104735.80	429.50	103.31	
point9839	1073	938216.60	1104509.50	433.50	234.93	
point9840	1074	938237.50	1104440.10	435.00	72.48	
point9682	1075	938336.80	1104119.00	440.00	336.10	
point605	1076	938476.70	1103618.60	450.00	519.59	16
point8954	1077	938577.80	1103252.30	455.00	380.00	
point8955	1078	938633.90	1103023.30	457.00	235.77	
point8956	1079	938643.30	1102953.80	458.00	70.13	
point8957	1080	938675.80	1102723.80	460.00	232.28	
point8958	1081	938683.40	1102538.80	462.00	185.16	
point9063	1082	938668.50	1102324.10	465.00	215.22	
point9064	1083	938655.40	1102128.00	466.00	196.54	
point9065	1084	938644.50	1102030.00	468.00	98.60	
point9066	1085	938627.30	1101924.80	470.00	106.60	
point9067	1086	938598.20	1101778.00	470.00	149.66	
point9166	1087	938568.20	1101637.80	465.00	143.37	
point9069	1088	938547.60	1101537.80	460.00	102.10	

point9070	1089	938527.10	1101440.00	455.00	99.93	
point9071	1090	938503.60	1101340.10	450.00	102.63	
point9072	1091	938492.80	1101296.60	447.00	44.82	
Total SF		75660				

Noise Barrier 11E						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point9825	1129	937949.80	1106283.30	443.50	--	20
point9826	1130	937937.10	1106165.10	441.00	118.88	
point9827	1131	937928.80	1106018.30	438.00	147.03	
point9828	1132	937928.20	1105896.60	436.00	121.70	
point9829	1133	937933.90	1105762.90	434.00	133.82	
point9830	1134	937944.60	1105645.00	432.00	118.38	
point9831	1135	937964.40	1105504.40	429.00	141.99	
point9832	1136	937982.30	1105409.10	427.50	96.97	
point9833	1137	938003.80	1105314.00	427.00	97.50	
point9834	1138	938035.20	1105197.50	426.00	120.66	
point9834-2	1139	938046.40	1105159.40	426.00	39.71	
Total SF		22733				

Noise Barrier 11F						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point8423	1171	940101.50	1095012.60	577.00	--	16
point8424	1173	940121.50	1094824.30	576.00	189.36	
point8425	1165	940125.10	1094661.30	580.00	163.04	
point8426	1172	940117.00	1094466.40	584.00	195.07	
point8427	1166	940114.20	1094374.80	585.00	91.64	
point8428	1167	940089.20	1093992.80	590.00	382.82	
point8204	1168	940062.10	1093730.00	595.00	264.19	
point8205	1169	940036.80	1093385.90	600.00	345.03	
Total SF		26098				

Noise Barrier 12A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point9471	1112	938678.20	1103488.40	448.00	--	20
point9472	1113	938617.60	1103656.90	450.00	179.07	
point9473	1114	938549.60	1103829.40	446.00	185.42	
point9474	1115	938520.80	1103911.50	445.00	87.00	
point8934	1116	938479.10	1104056.00	442.50	150.40	
point616	1117	938439.20	1104201.40	440.00	150.78	
point9787	1118	938366.00	1104464.40	435.00	273.00	
point9788	1119	938330.30	1104587.00	432.50	127.69	
point9789	1120	938282.80	1104764.30	429.50	183.55	
point9790	1121	938252.30	1104885.40	427.50	124.88	
point9791	1122	938202.30	1105100.30	425.50	220.64	
point9792	1123	938164.50	1105278.50	424.00	182.16	
point9793	1124	938107.90	1105581.30	424.00	308.04	

point9793-2	1125	938097.80	1105637.80	423.75	57.40	
point9794	1126	938094.90	1105681.80	423.50	44.10	
point9795	1127	938095.20	1105773.80	423.00	92.00	
Total SF		47323				

Noise Barrier 12B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point8942	1100	938753.30	1101900.00	470.00	--	
point8943	1101	938777.50	1102166.00	467.00	267.10	
point8944	1102	938792.70	1102462.90	465.00	297.29	
point8945	1103	938790.60	1102605.50	463.00	142.62	
point8946	1104	938780.70	1102752.60	462.00	147.43	
point8947	1105	938767.40	1102868.30	460.00	116.46	16
point8948	1106	938752.80	1102979.50	459.00	112.15	
point8949	1107	938740.50	1103043.30	459.00	64.97	
point8950	1108	938717.80	1103141.80	458.00	101.08	
point8951	1109	938662.20	1103354.10	455.00	219.46	
point8952	1110	938580.80	1103646.60	450.00	303.62	
Total SF		28355				

Noise Barrier 12C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1187	1187	939069.40	1099360.10	483.00	--	
point1188	1188	938995.00	1099725.40	487.00	372.80	
point1189	1189	938959.90	1099794.80	486.00	77.77	
point1190	1190	938929.00	1099886.50	486.00	96.77	
point1191	1191	938896.30	1099995.90	488.00	114.18	
point1192	1192	938880.60	1100036.60	487.00	43.62	20
point1193	1193	938862.60	1100088.90	485.00	55.31	
point1194	1194	938838.00	1100160.30	480.00	75.52	
point1195	1195	938822.30	1100301.40	483.00	141.97	
point1196	1196	938812.00	1100357.30	483.00	56.84	
point1197	1198	938769.80	1100514.60	477.00	162.86	
Total SF		23953				

Noise Barrier 13A/B/C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point12102-2	3072	939720.40	1112228.30	427.88	--	
point12103	3073	939695.30	1112229.50	428.00	25.13	
point12104	3074	939613.30	1112233.80	428.50	82.11	
point12105	3075	939187.00	1112250.50	430.00	426.63	
point12106	3076	938600.60	1112249.50	428.00	586.40	
point12107	3077	938177.00	1112243.00	430.00	423.65	
point12108	3078	938101.60	1112240.60	430.00	75.44	
point12108-2	3079	938081.00	1112239.90	429.90	20.61	
point12108-2	3080	937770.60	1112225.10	429.10	310.75	
point12109	3081	937740.60	1112223.30	429.00	30.05	

point12110	3082	937329.60	1112204.30	430.00	411.44	20
point12111	3083	937163.60	1112207.40	432.00	166.03	
point12112	3084	936990.50	1112225.30	434.50	174.02	
point12113	3085	936906.60	1112239.30	436.00	85.06	
point12114	3086	936799.00	1112262.80	438.00	110.14	
point12115	3087	936719.50	1112284.00	439.50	82.28	
point12116	3088	936591.90	1112325.50	441.00	134.18	
point12117	3089	936466.30	1112375.90	443.00	135.33	
point12479	3090	936309.00	1112453.40	445.00	175.36	
point12480	3091	936234.50	1112496.40	446.00	86.02	
point12481	3092	936186.10	1112527.90	446.50	57.75	
point12482	3093	936075.80	1112613.60	448.50	139.68	
point12483	3094	935969.20	1112715.00	451.00	147.12	
point12484	3095	935827.90	1112847.10	451.00	193.43	
point12547	3054	941609.00	1112260.90	429.00	--	20
point12538	3055	941385.90	1112236.80	428.00	224.40	
point659	3056	941060.00	1112222.50	426.00	326.21	
point12067	3057	940878.00	1112217.80	425.00	182.06	
point12069	3058	940483.20	1112223.40	423.00	394.84	
point12070	3059	940219.40	1112225.00	424.50	263.80	
point12071	3060	940041.60	1112232.80	425.50	177.97	
point12071	3061	940027.60	1112233.80	425.50	14.04	
point12071-2	3062	939852.40	1112249.80	426.25	175.93	
point12072	3063	939694.60	1112265.60	427.00	158.59	
point12073	3064	939613.20	1112272.60	427.00	81.70	
point12268	3065	939236.90	1112311.50	428.50	378.31	
point12269	3066	939093.00	1112322.90	429.00	144.35	
point12270	3067	938917.30	1112328.40	428.00	175.79	
point12271	3068	938760.10	1112327.30	424.00	157.20	
point12273	3069	938553.10	1112338.60	417.00	207.31	
point12279	3070	938283.40	1112327.50	408.50	269.93	
point12280	3071	938199.10	1112323.60	408.00	84.39	
Total SF		149909				

Noise Barriers 13D/E/F						
		X	**Y**	**Z**	**Length**	**Height**
Barrier 13D	1165	942144.40	1112388.50	433.00	--	12
	1166	942317.70	1112444.90	434.00	182.25	12
	1167	942439.90	1112490.50	433.50	130.43	12
	1168	942588.10	1112548.30	433.00	159.07	14
	1169	942733.50	1112608.60	432.00	157.41	14
	1170	942823.40	1112653.40	431.50	100.44	12
	1171	942907.30	1112698.50	431.00	95.25	12
	1172	942997.80	1112750.10	430.00	104.18	12
	1173	943146.60	1112832.10	425.50	169.90	12
	1174	943294.80	1112906.80	422.00	165.96	10
	1175	943475.60	1112976.30	416.00	193.70	10

Tables: Viaduct Alternative Noise Abatement Barrier Location Coordinates and Dimensions
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

subtotal SF		17632				
Barrier 13E	1177	943202.10	1112783.80	433.00	--	12
	1178	943393.50	1112861.90	435.50	206.72	
	1179	943462.80	1112888.80	436.00	74.34	
	1180	943589.80	1112935.30	436.00	135.25	
	1181	943674.90	1112964.60	435.50	90.00	
	1182	943863.90	1113026.80	433.00	198.97	
	1183	944016.40	1113076.30	427.50	160.33	
subtotal SF		10387				
Barrier 13F	1184	943627.00	1113063.40	419.00	--	14
	1185	943728.00	1113086.80	417.00	103.68	14
	1186	943819.40	1113108.30	416.00	93.89	14
	1221	943991.60	1113148.00	416.50	176.72	14
	1222	944154.60	1113178.00	419.50	165.74	12
	1223	944294.60	1113201.10	423.50	141.89	12
	1187	944406.40	1113222.60	424.00	113.85	12
	1188	944523.50	1113253.30	424.50	121.06	12
	1189	944656.30	1113295.80	426.50	139.43	12
	1190	944806.80	1113344.40	427.50	158.15	12
	1191	945155.50	1113443.40	430.50	362.48	12
	1192	945256.90	1113475.60	430.00	106.39	10
	1233	945695.40	1113624.60	428.00	463.12	10
subtotal SF		25911				
Total SF		53930				

Noise Barrier 13G						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1194	946253.20	1113826.10	426.00	--	20
x	1195	946550.00	1113956.80	426.00	324.30	
x	1196	946871.60	1114123.50	430.00	362.24	
x	1197	947137.80	1114279.00	437.00	308.29	
x	1198	947251.60	1114332.80	443.00	125.88	
x	1199	947379.60	1114379.30	450.00	136.18	
x	1200	947472.80	1114412.90	455.00	99.07	
x	1201	947548.60	1114441.80	460.00	81.12	
Total SF		28742				

Noise Barrier 13H						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1224	948309.50	1114537.40	431.00	--	14
x	1225	948433.80	1114572.00	431.50	129.03	14
x	1226	948558.00	1114606.50	432.00	128.90	14
x	1227	948682.30	1114641.10	432.50	129.03	14
x	1228	948806.50	1114675.80	433.00	128.96	12
x	1229	948930.80	1114710.40	433.50	129.03	12
x	1230	949055.00	1114745.00	434.00	128.93	12
x	1231	949179.30	1114779.50	434.50	129.00	12

x	1232	949303.50	1114814.10	435.00	128.93	12
Total SF		13413				

Noise Barrier 13I						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1206	948824.70	1114793.90	443.00	--	20.0
x	1207	948963.10	1114805.10	440.00	138.85	
x	1208	949348.80	1114857.60	435.00	389.26	
x	1209	949634.20	1114928.30	432.00	294.03	
x	1210	949844.50	1114975.30	430.00	215.49	
x	1211	950256.60	1115086.30	425.00	426.79	
x	1212	950562.20	1115156.40	425.00	313.54	
x	1213	950813.80	1115197.40	420.00	254.92	
x	1214	951077.90	1115224.40	420.00	265.48	
x	1215	951353.20	1115243.50	425.00	275.96	
x	1216	951519.10	1115240.80	431.00	165.92	
x	1217	951693.60	1115230.00	436.00	174.83	
x	1218	951837.60	1115216.60	438.00	144.62	
x	1219	951994.50	1115195.10	440.00	158.37	
x	1220	952067.70	1115185.00	441.00	73.89	
Total SF		65839				

Noise Barrier 14						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1204	933620.50	1116818.40	412.00	--	14.0
x	1205	933650.20	1116751.60	411.00	73.10	
x	1206	933694.00	1116654.00	411.00	106.98	
x	1207	933731.30	1116570.40	411.00	91.54	
x	1208	933767.40	1116489.50	411.50	88.59	
x	1209	933798.10	1116439.30	412.00	58.84	
x	1210	933807.10	1116392.00	412.00	48.15	
x	1211	933833.10	1116354.80	412.00	45.39	
x	1212	933874.30	1116294.80	412.00	72.78	
x	1213	933930.20	1116224.30	411.00	89.97	
x	1214	933971.30	1116173.10	410.00	65.66	
x	1215	934048.80	1116078.30	409.00	122.45	
x	1216	934129.50	1115978.90	408.00	128.03	
x	1217	934151.40	1115983.80	408.00	22.44	
x	1218	934192.50	1115934.10	407.00	64.49	
Total SF		15098				

Noise Barriers 15A&15B						
		X	**Y**	**Z**	**Length**	**Height**
Barrier 15A	1186	932910.70	1117300.30	401.00	--	18.0
	1187	932973.00	1117278.10	404.00	66.14	
	1188	933044.90	1117253.80	408.00	75.90	
	1189	933105.90	1117207.60	408.00	76.52	

	1190	933148.00	1117180.30	409.00	50.18	
	1191	933184.90	1117156.30	410.70	44.02	
subtotal SF		5629				
Barrier 15B	1175	932419.60	1117647.30	412.00	--	18.0
	1176	932427.00	1117631.50	411.50	17.45	
	1177	932516.30	1117577.10	411.00	104.57	
	1178	932560.60	1117550.10	411.00	51.88	
	1179	932614.50	1117517.30	410.00	63.10	
	1180	932698.40	1117466.00	409.00	98.34	
	1181	932728.80	1117447.50	408.50	35.59	
	1182	932776.20	1117427.60	408.00	51.41	
	1183	932854.90	1117394.80	408.00	85.26	
	1184	932899.50	1117376.00	408.00	48.40	
	1185	932978.30	1117329.40	408.00	91.55	
subtotal SF		11656				
Total SF		17285				

Noise Barrier 16						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1218	934690.10	1130545.40	386.00	--	16.4
x	1230	934742.40	1130630.50	385.50	99.89	
x	1219	934794.70	1130715.80	385.00	100.06	
x	1231	934847.00	1130801.00	385.00	99.97	
x	1220	934899.40	1130886.30	385.00	100.11	
x	1221	935003.90	1131056.80	385.00	199.98	
x	1222	935108.40	1131227.30	385.00	199.98	
x	1223	935213.40	1131397.50	385.00	199.98	
x	1224	935325.00	1131563.40	384.00	199.94	
x	1225	935433.20	1131731.80	384.00	200.16	
x	1226	935539.30	1131901.30	384.00	199.97	
x	1232	935593.50	1131985.30	384.00	99.97	
x	1228	935647.70	1132069.30	384.00	99.97	
x	1229	935702.20	1132152.60	384.00	99.54	
x	1227	935758.10	1132235.50	384.00	99.99	
Total SF		32792				

Noise Barrier 17						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point5072	1233	936018.00	1132843.60	391.00	--	16.0
point5073	1243	936171.20	1133042.40	397.00	250.98	
point5074	1234	936244.60	1133139.30	401.00	121.56	
point5075	1235	936338.30	1133260.50	406.00	153.20	
x	1236	936446.40	1133399.10	410.00	175.77	
point5076	1237	936696.80	1133725.30	415.00	411.23	
point5077	1242	936949.00	1134050.50	415.00	411.53	
point5078	1238	937036.00	1134152.80	415.00	134.29	
point5079	1239	937186.30	1134300.80	412.00	210.94	

point5080	1240	937322.90	1134410.80	411.00	175.38	
x	1241	937485.00	1134521.30	409.00	196.18	
Total SF		35857				

ATTACHMENT I

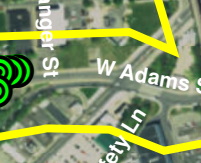
2050 Community Grid Alternative – Option 2 (CG2) Conditions Noise Results Figures

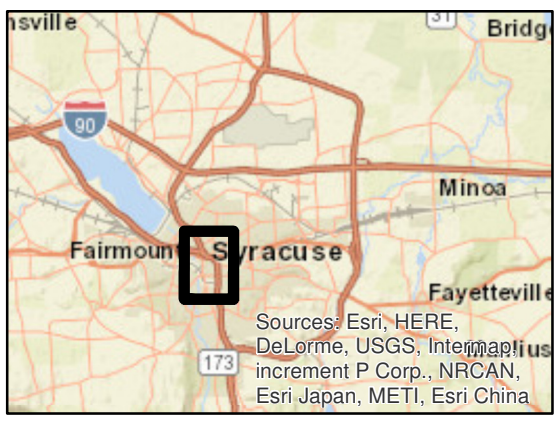
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Inactive under this Alternative
- Project Study Area Limits*

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 2050 - Noise Results (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

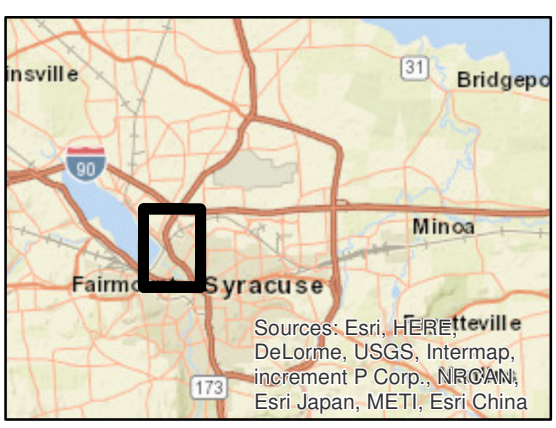
Date: 10/21/2016



Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location



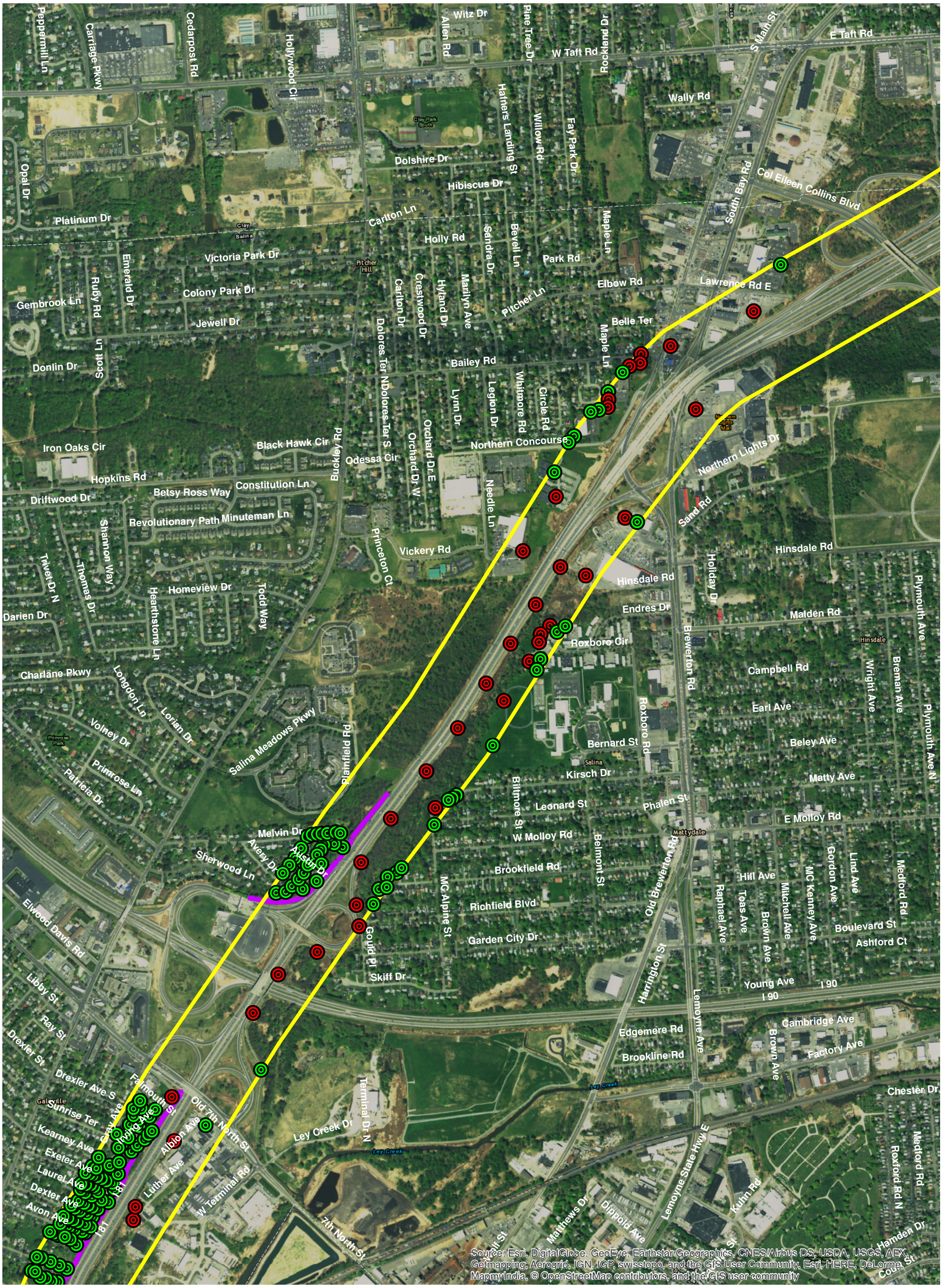
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 2050 - Noise Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

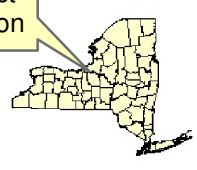
Date: 10/21/2016

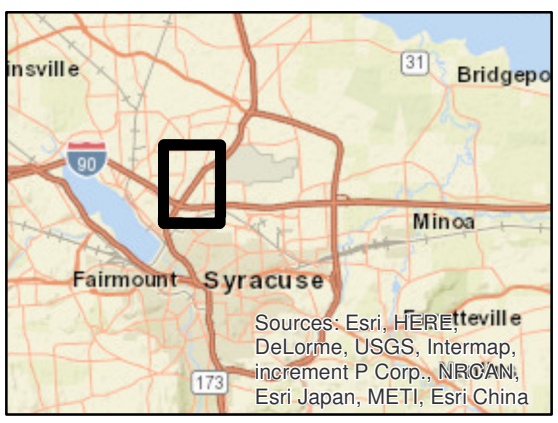


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location





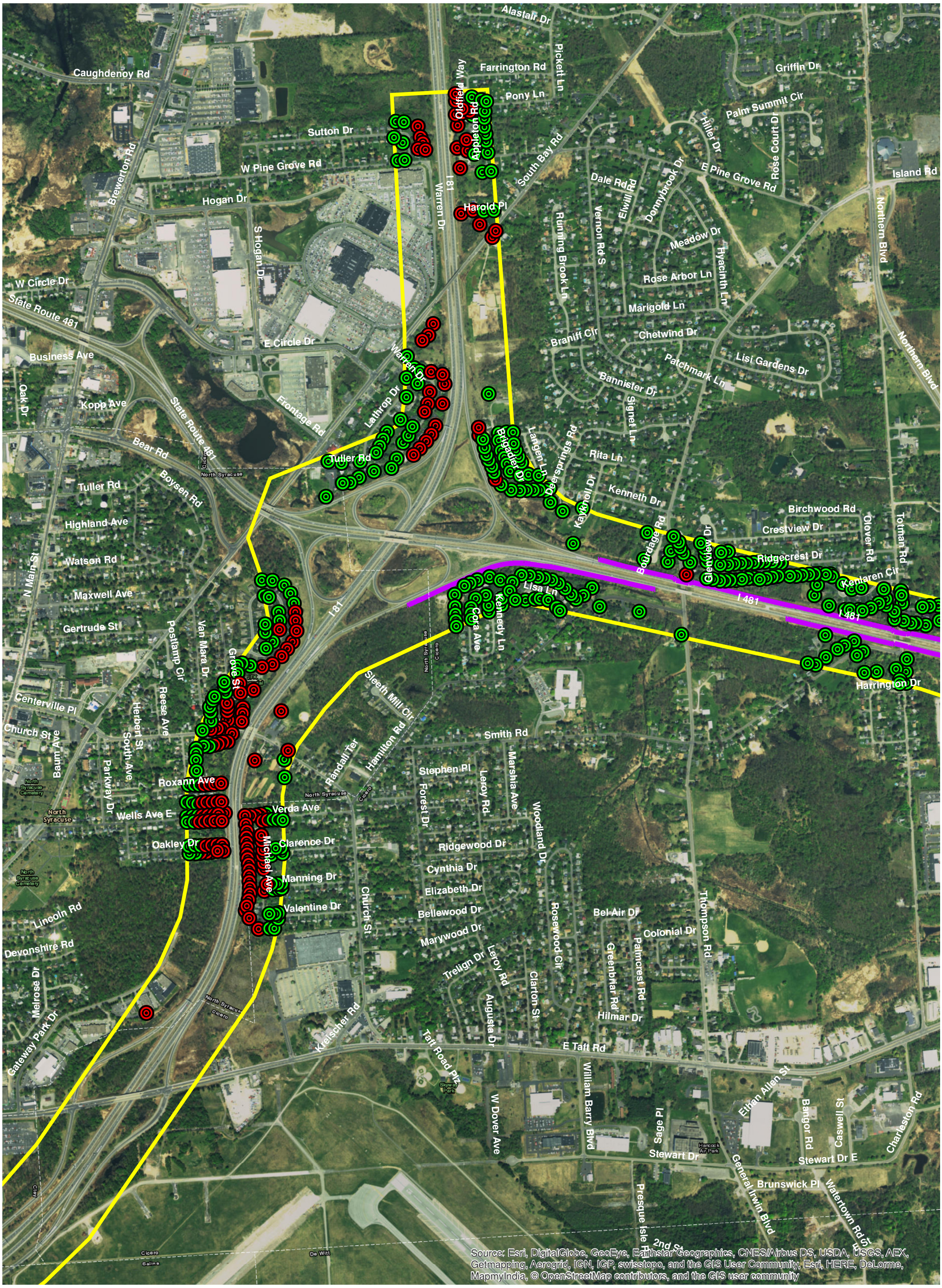
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 2050 - Noise Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/21/2016



Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location



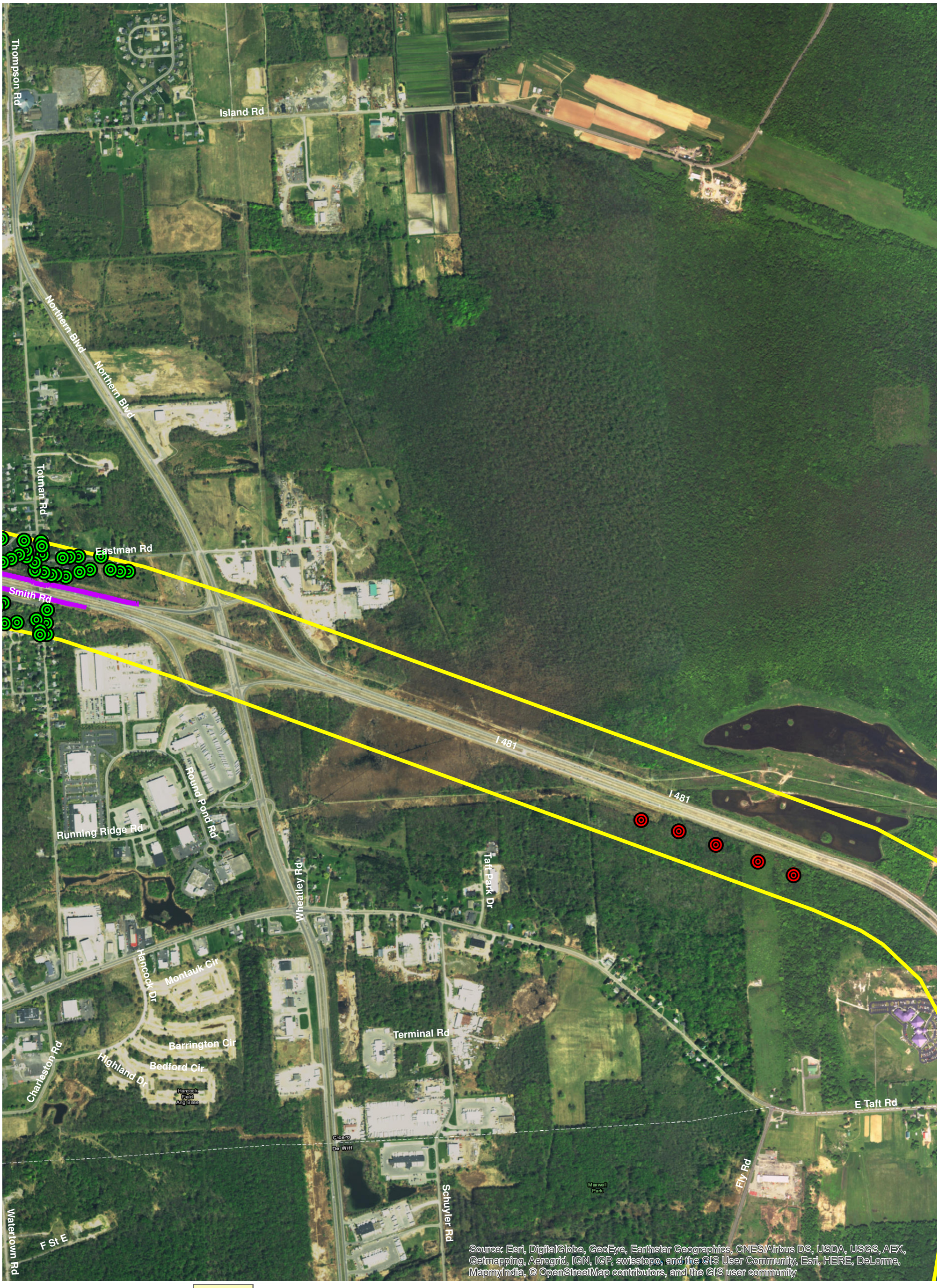
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 2050 - Noise Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

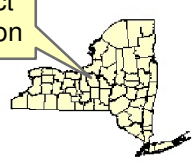
Date: 10/21/2016

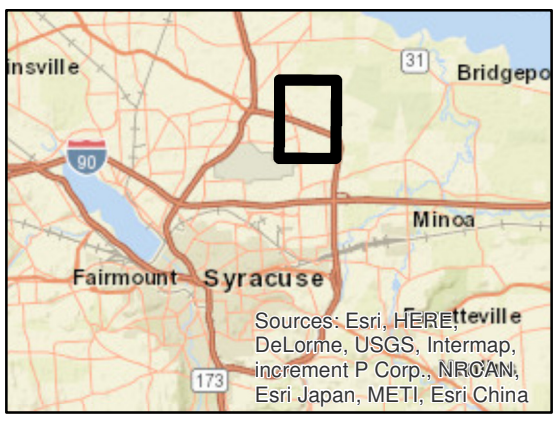


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits
- Existing Noise Barrier

Project Location





0 650 1,300 2,600 Feet

CG2 2050 - Noise Results (Page 5 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/21/2016

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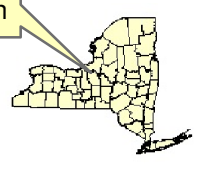
E Taft Rd
All Nations Blvd
Bastable Rd
Cicero
Manlius
Maxwell Park
North Branch Ley Creek
I 481
Badgley Rd
Fly Rd
Airways Park Dr
Canada Dr
Collamer Rd
Collamer
Brittonfield Pkwy
Collamer Crossing Pkwy
Sand Hill Rd
Law Dr
Hazelnut Cir
Russell Ln
Kame Way
Schuyler Rd
Emilie Ln
Temple Dr
Loucks Rd
Fremont Rd
I 90
Myers Rd
Polkville
New Venture Gear Dr
Fair Lakes Rd
Chrysler Ln
Pheasant Rd
Technology Pl

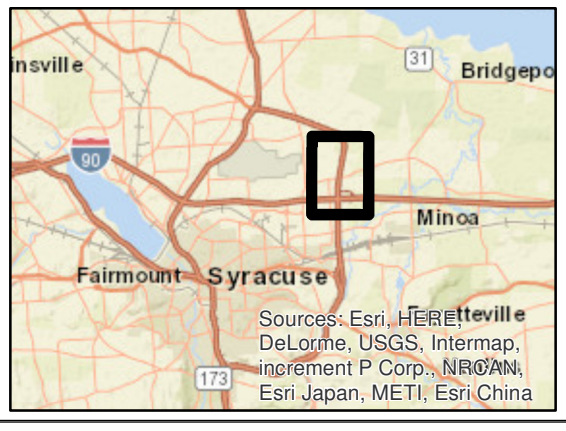
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





0 650 1,300 2,600 Feet

CG2 2050 - Noise Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/21/2016

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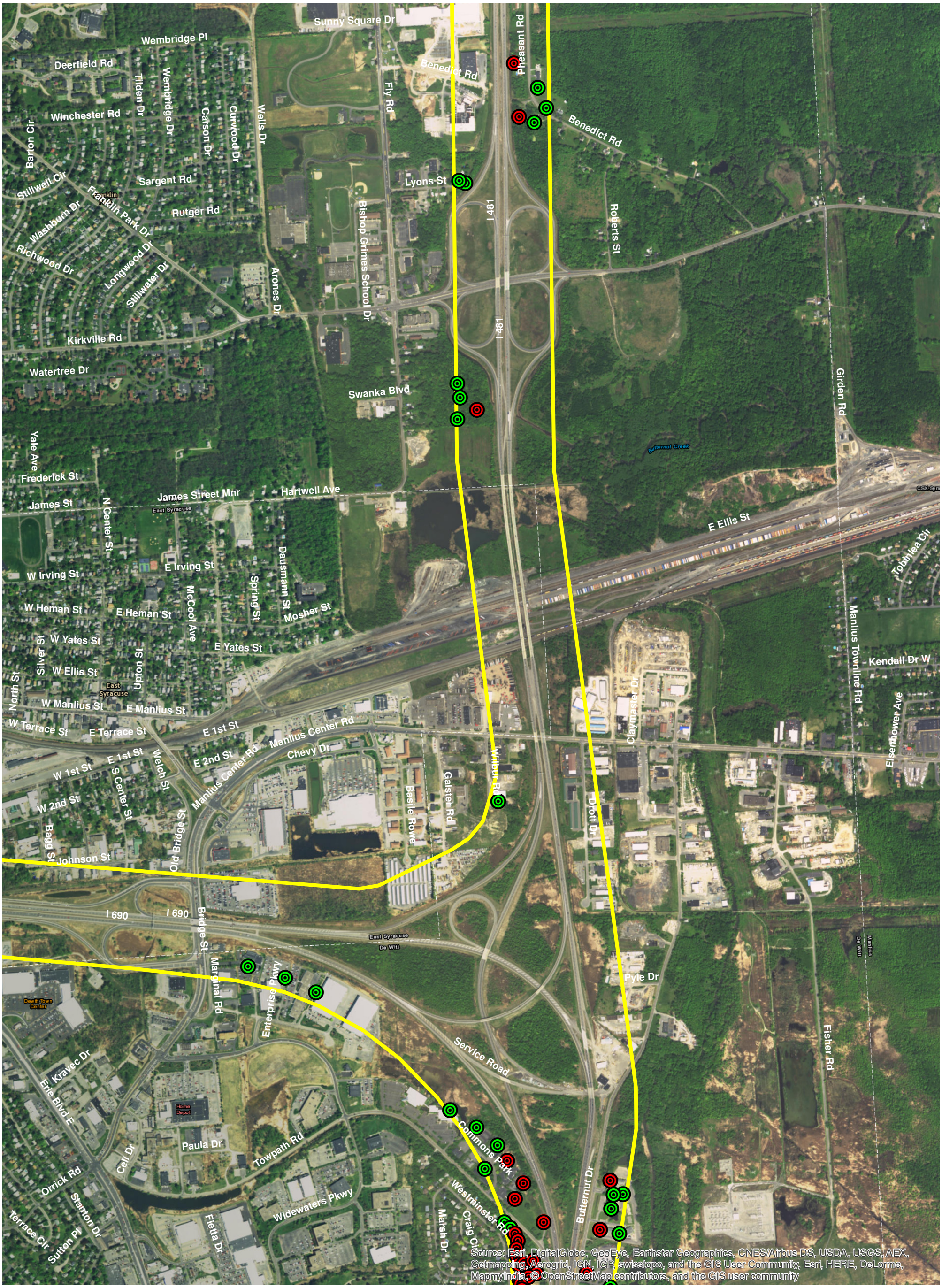
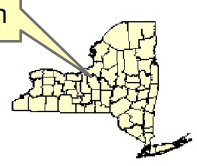
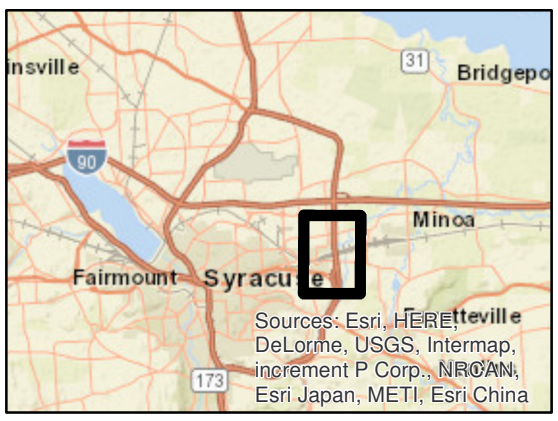


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





0 650 1,300 2,600 Feet

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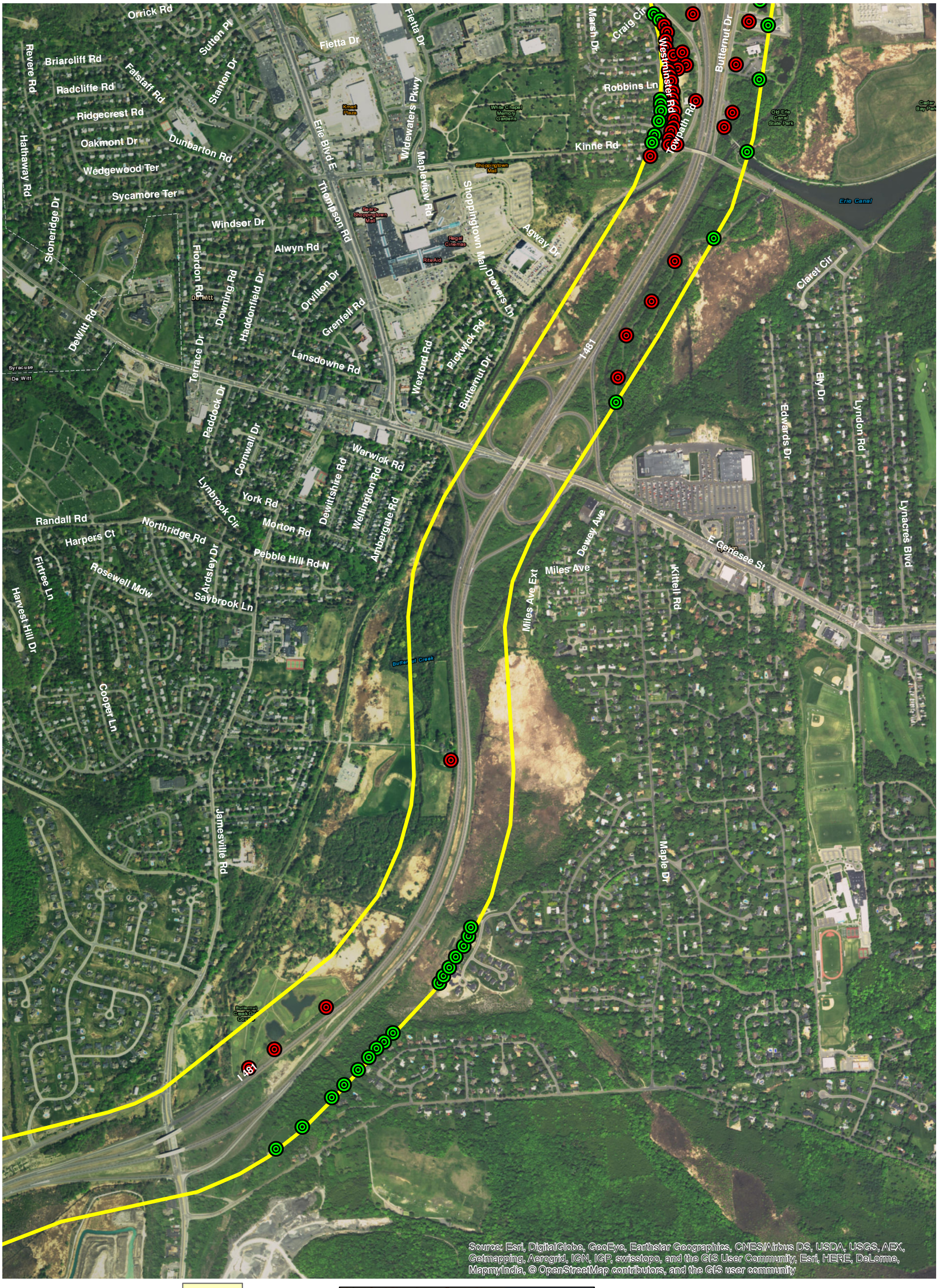
CG2 2050 - Noise Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

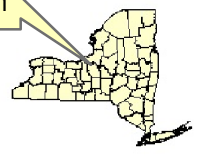
Date: 10/21/2016

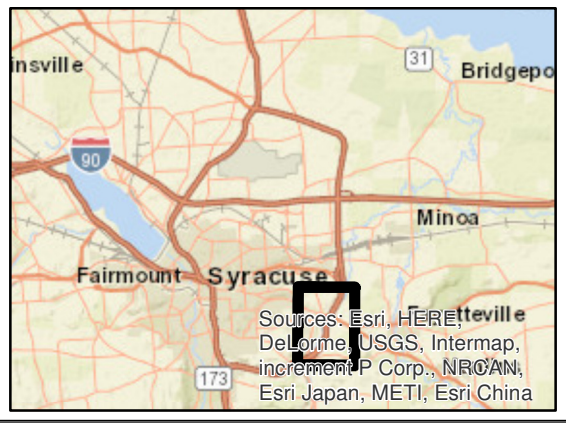


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





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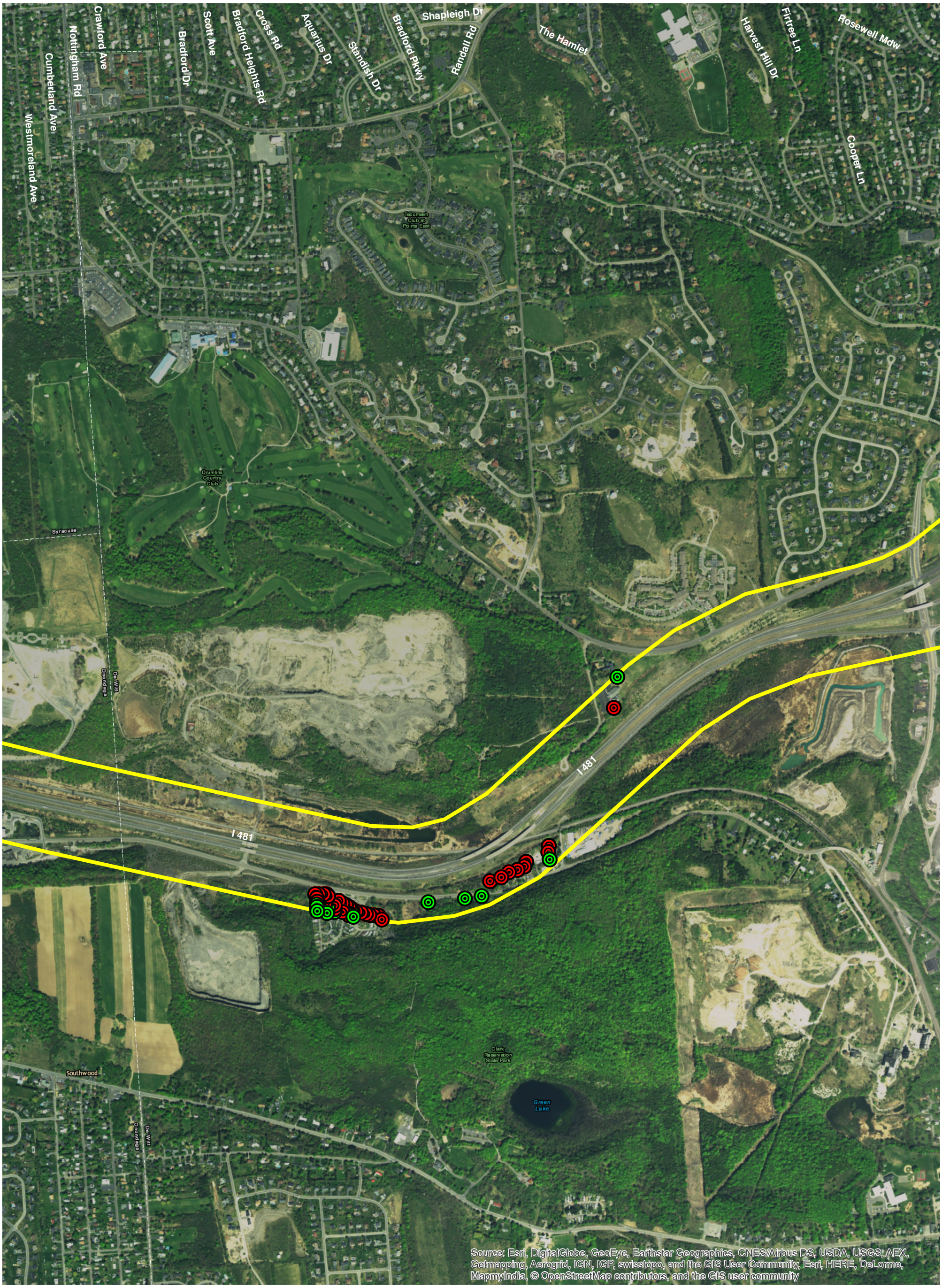
0 650 1,300 2,600 Feet

CG2 2050 - Noise Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

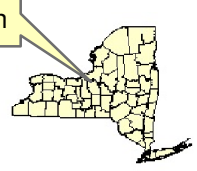
Date: 10/21/2016

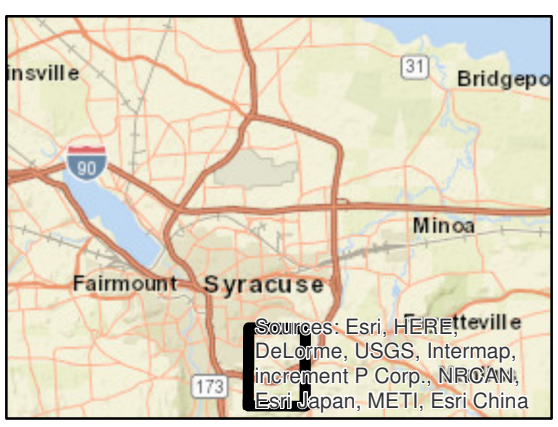


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





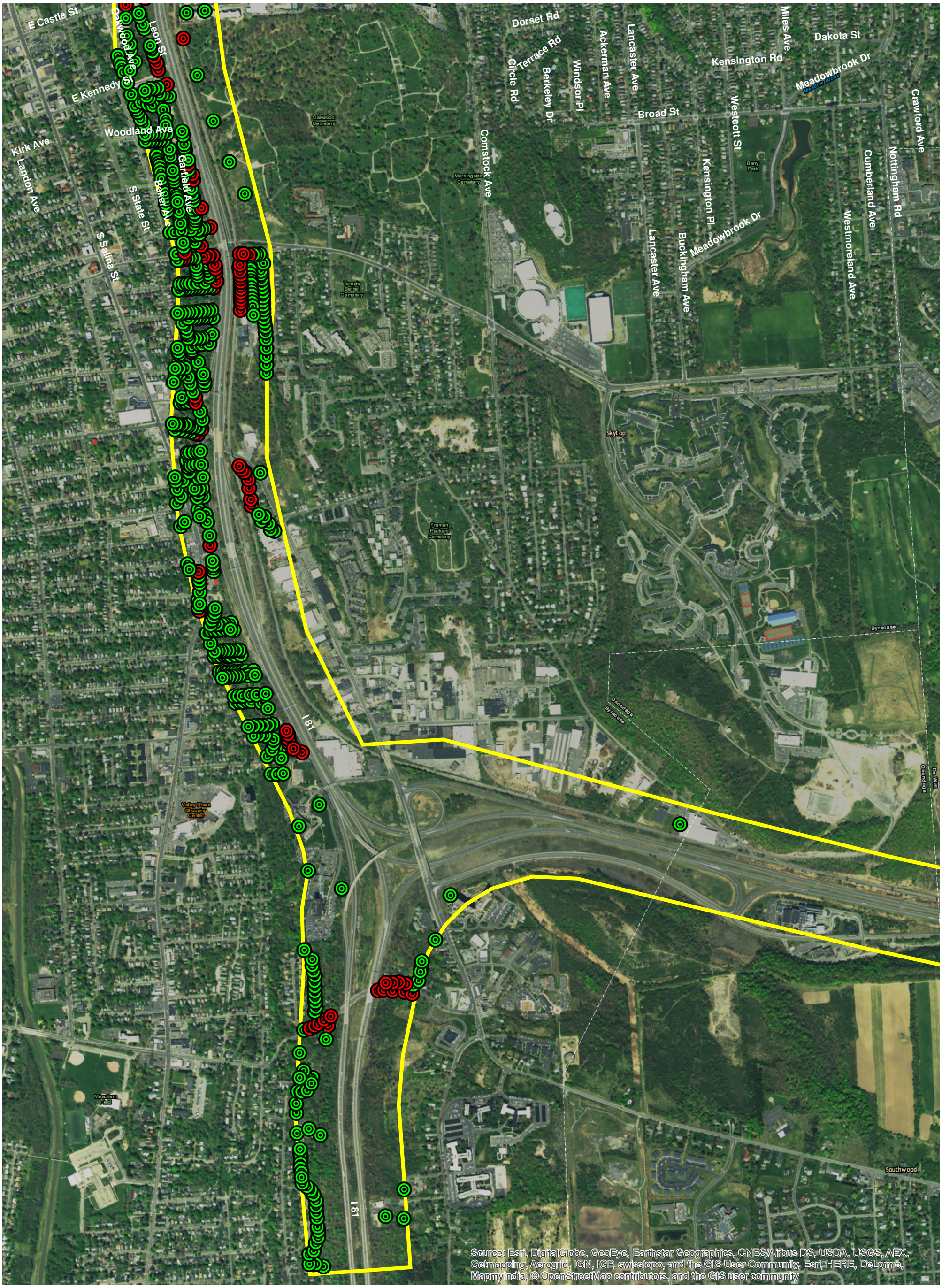
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 2050 - Noise Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

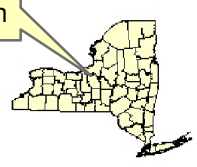
Date: 10/21/2016

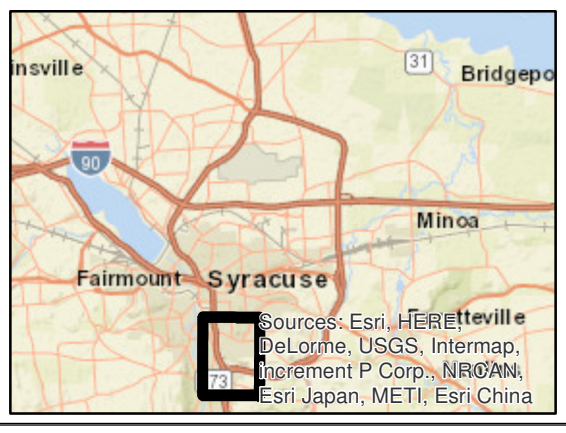


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





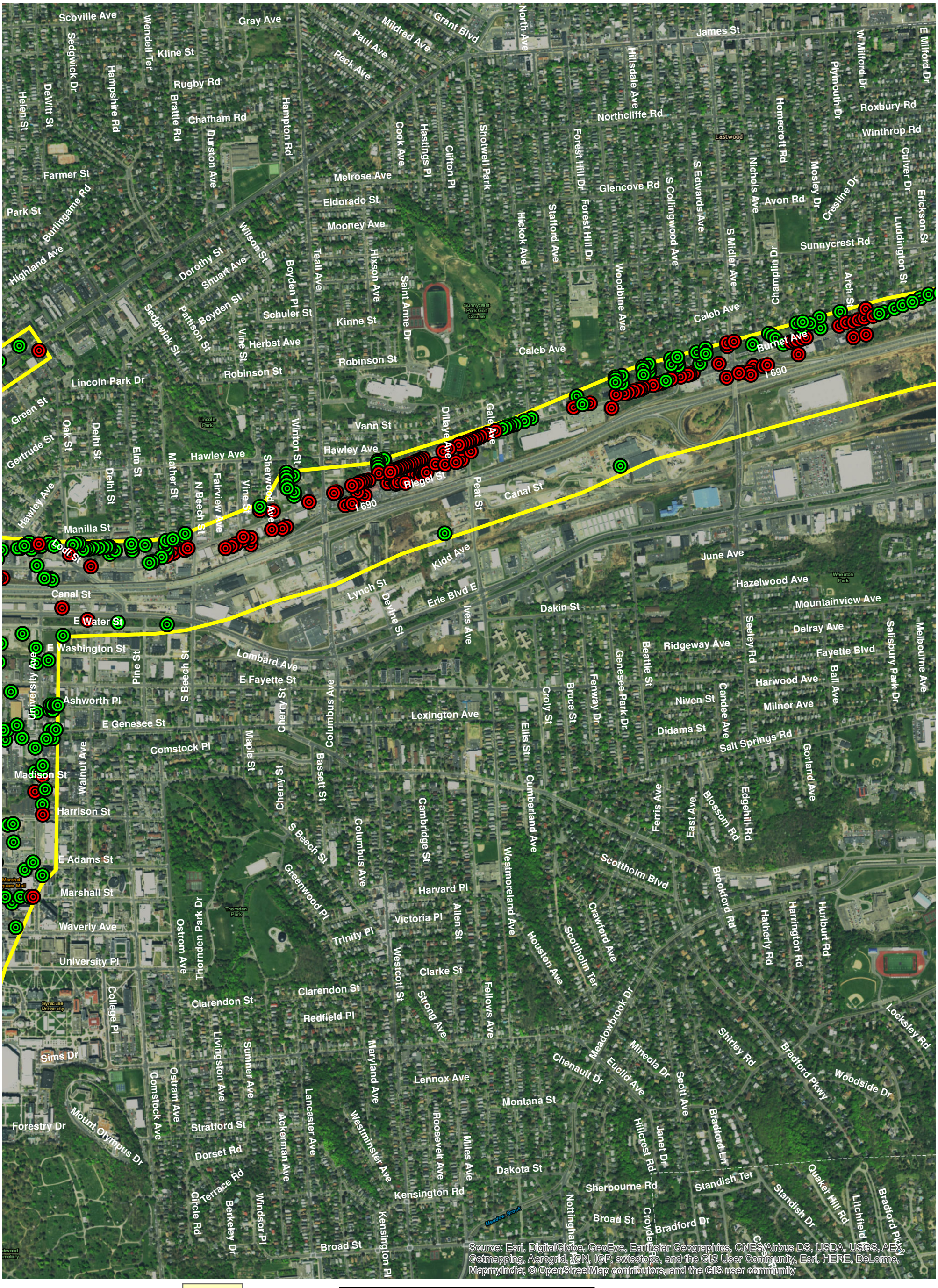
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 2050 - Noise Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

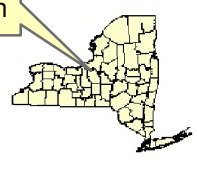
Date: 10/21/2016

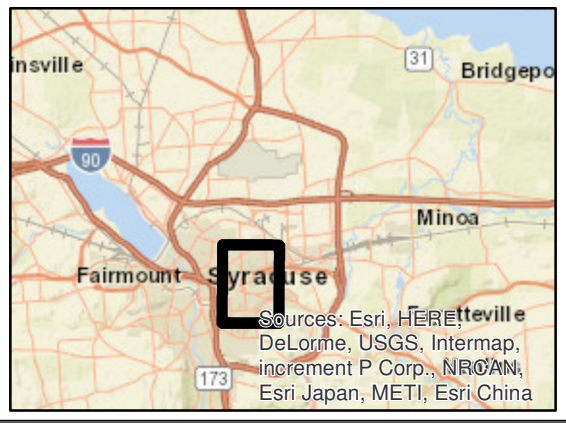


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





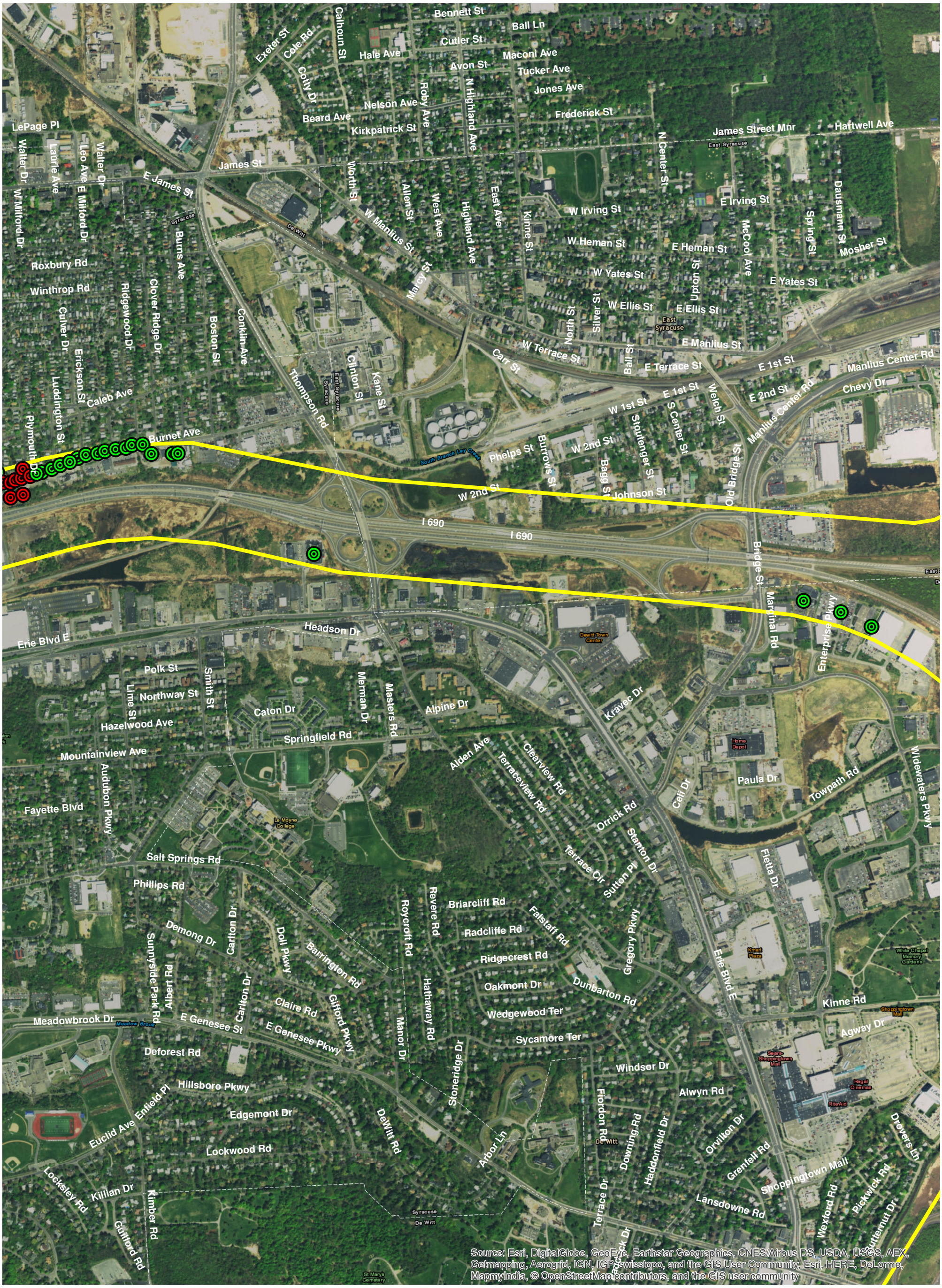
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 2050 - Noise Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

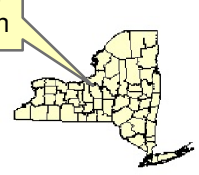
Date: 10/21/2016

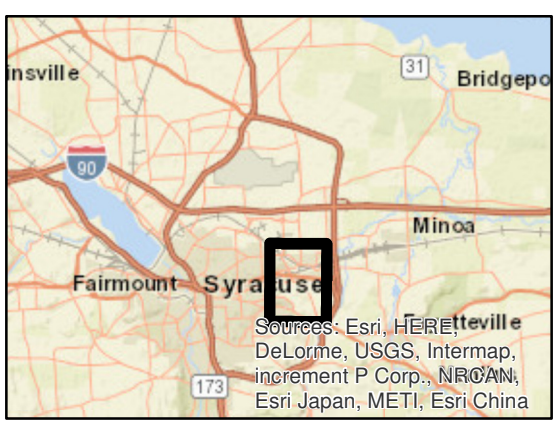


Legend

- No Noise Impact Predicted
- Noise Impact Predicted
- Project Study Area Limits

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 2050 - Noise Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 10/21/2016

ATTACHMENT J

2050 Community Grid Alternative – Option 2 (CG2) Conditions Noise Abatement Figures

Noise Barrier 14:
Noise Impacts = 10
Benefitted Receptors = 10
Feasible = Yes
Reasonable = Yes

Noise Barrier 13C (Partial):
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 13A/B/C:
Noise Impacts = 42
Benefitted Receptors = 11
Feasible = No
Reasonable = No

Noise Barrier 11C/D:
Noise Impacts = 21
Benefitted Receptors = 91
Feasible = Yes
Reasonable = Yes

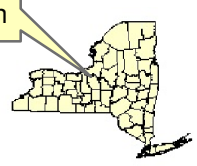
Noise Barrier 12A:
Noise Impacts = 2
Benefitted Receptors = 4
Feasible = Yes
Reasonable = No

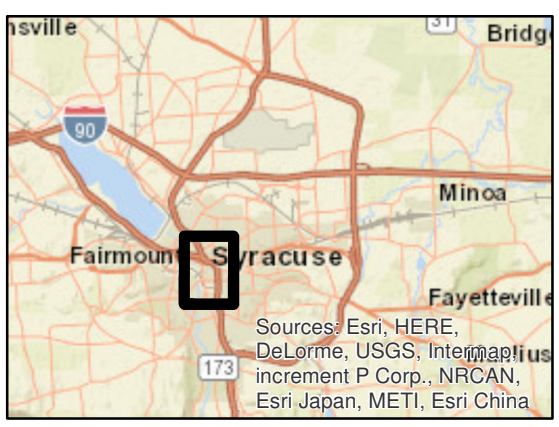
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Downtown Exclusion Areas*
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





* Note: Some areas of Downtown Syracuse are shown as excluded from the study area due to their distance from the involved roadways.

0 550 1,100 2,200 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 Barrier Analysis Results (Page 1 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 12/21/2016

Noise Barriers 15A and B:
Noise Impacts = 14
Benefitted Receptors = 9
Feasible = Yes
Reasonable = No

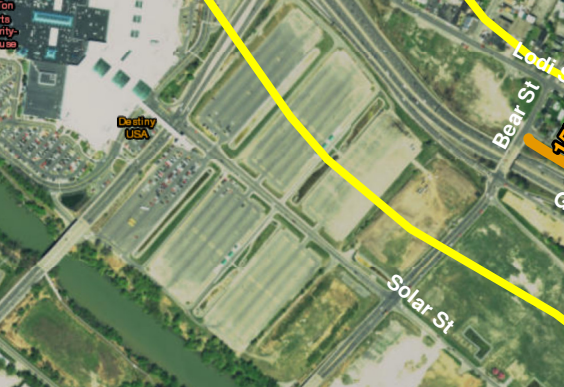
Noise Barrier 14:
Noise Impacts = 10
Benefitted Receptors = 10
Feasible = Yes
Reasonable = Yes

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community; Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Existing Noise Barrier
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location



0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 Barrier Analysis Results (Page 2 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

Noise Barrier 16:
Noise Impacts = 9
Benefitted Receptors = 11
Feasible = Yes
Reasonable = No

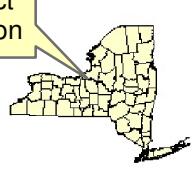
Noise Barrier 17:
Noise Impacts = 5
Benefitted Receptors = 7
Feasible = No
Reasonable = No

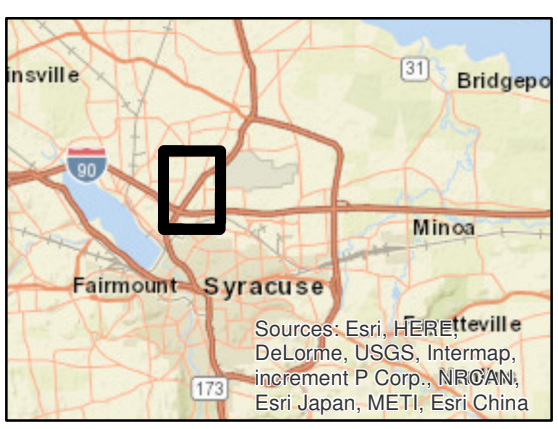
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Existing Noise Barrier
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 Barrier Analysis Results (Page 3 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

Noise Barrier 4B:
Noise Impacts = 16
Benefitted Receptors = 14
Feasible = Yes
Reasonable = Yes

Noise Barrier 3:
Noise Impacts = 20
Benefitted Receptors = 23
Feasible = Yes
Reasonable = No

Noise Barrier 4A:
Noise Impacts = 4
Benefitted Receptors = 10
Feasible = Yes
Reasonable = No

Noise Barrier 1:
Noise Impacts = 59
Benefitted Receptors = 91
Feasible = Yes
Reasonable = Yes

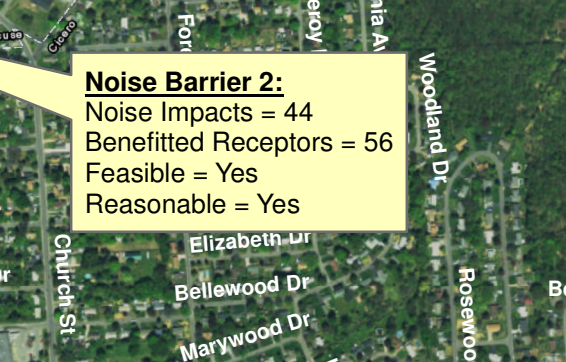
Noise Barrier 2:
Noise Impacts = 44
Benefitted Receptors = 56
Feasible = Yes
Reasonable = Yes

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Existing Noise Barrier
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location



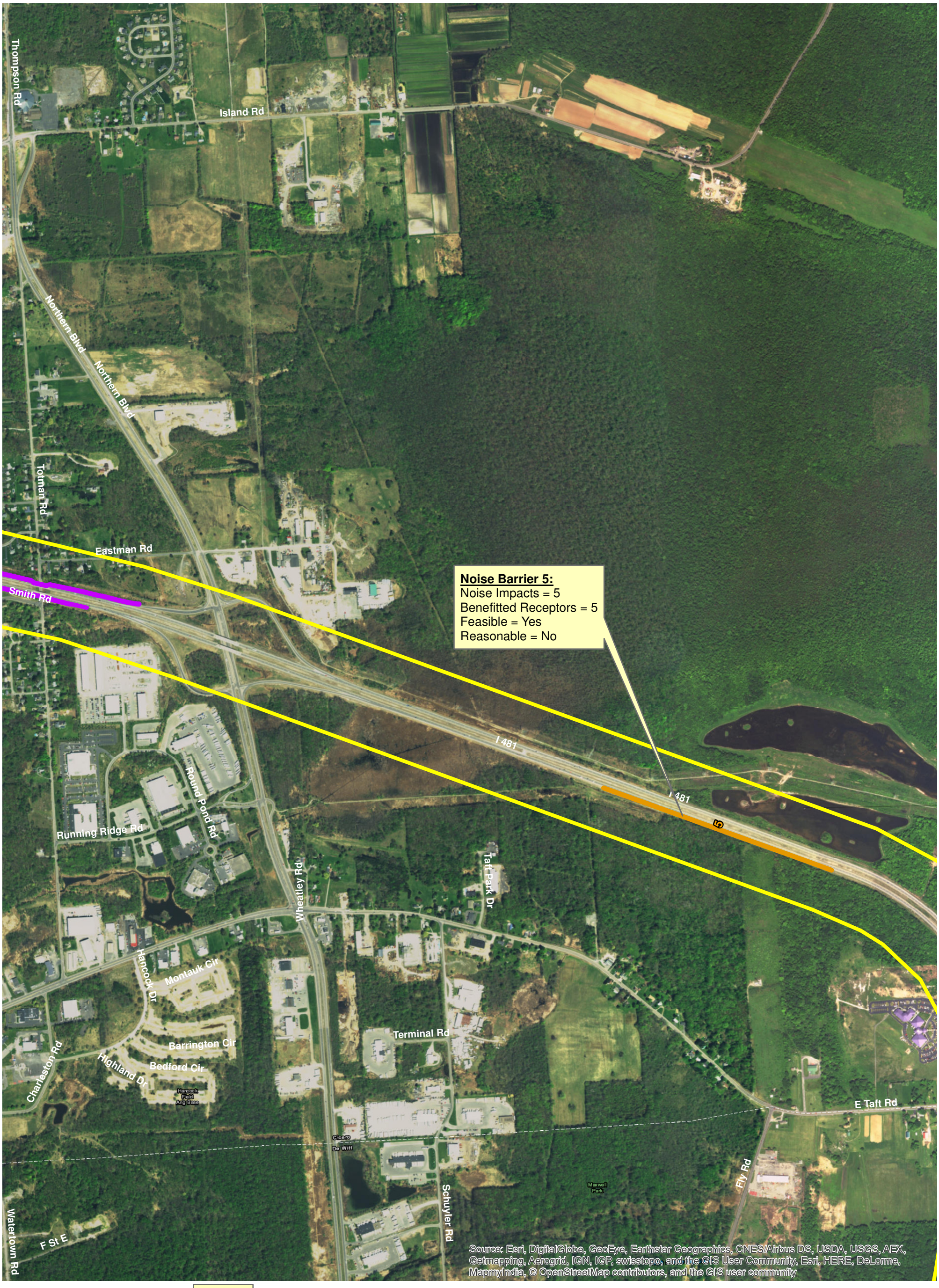
0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 Barrier Analysis Results (Page 4 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

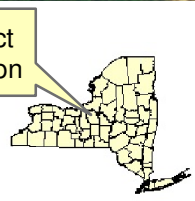
Date: 11/29/2016

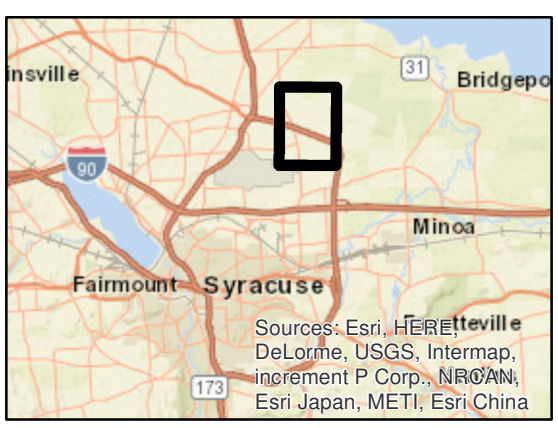


Legend

- Project Study Area Limits
- Existing Noise Barrier
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

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I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

WATTS ARCHITECTURE & ENGINEERING

E Taft Rd
All Nations Blvd
Bastable Rd
Cicero
Manlius
Maxwell Park
North Branch Ley Creek
6
I 481
Badgley Rd
Fly Rd
Airways Park Dr
Canada Dr
Collamer Rd
Collamer
Brittonfield Pkwy
Collamer Crossing Pkwy
Sand Hill Rd
Law Dr
Hazelnut Cir
Russell Ln
Kame Way
Schuyler Rd
Temple Dr
Emilie Ln
Loucks Rd
Fremont Rd
I 90
Myers Rd
Polkville
New Venture Gear Dr
Fair Lakes Rd
Chrysler Ln
Technology Pl
Pheasant Rd

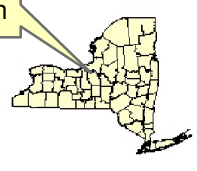
Noise Barrier 6:
Noise Impacts = 3
Benefitted Receptors = 6
Feasible = No
Reasonable = No

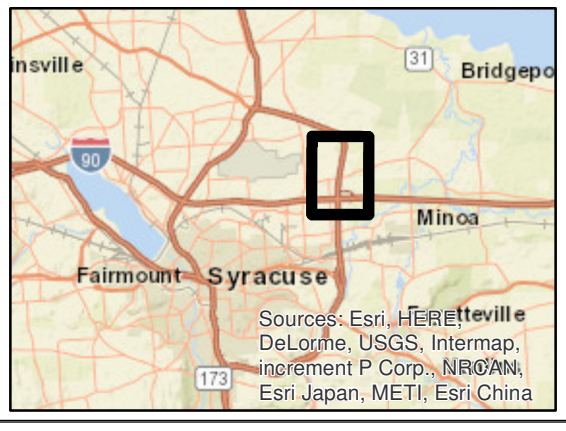
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

CG2 Barrier Analysis Results (Page 6 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

WATTS ARCHITECTURE & ENGINEERING

Noise Barrier 7:
Noise Impacts = 25
Benefitted Receptors = 19
Feasible = Yes
Reasonable = Yes

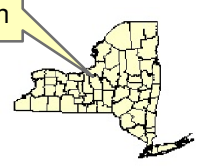
Noise Barrier 8:
Noise Impacts = 30
Benefitted Receptors = 42
Feasible = Yes
Reasonable = Yes

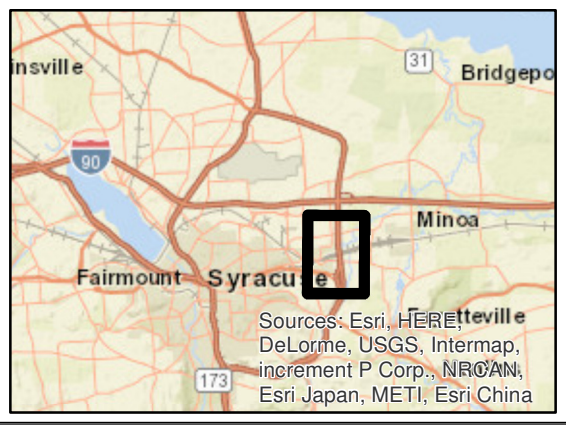
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 Barrier Analysis Results (Page 7 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 11/29/2016

Noise Barrier 7:
Noise Impacts = 25
Benefitted Receptors = 19
Feasible = Yes
Reasonable = Yes

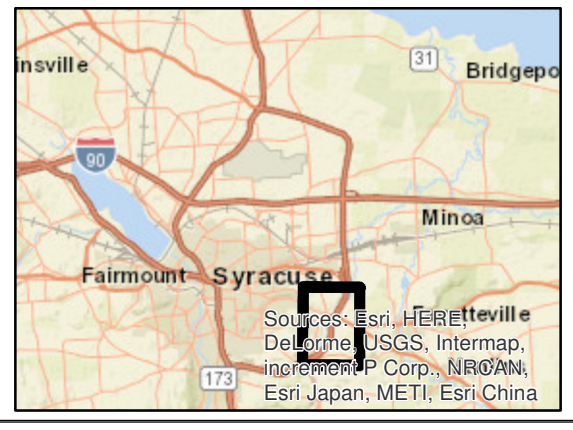
Noise Barrier 8:
Noise Impacts = 30
Benefitted Receptors = 42
Feasible = Yes
Reasonable = Yes

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location



0 650 1,300 2,600 Feet

CG2 Barrier Analysis Results (Page 8 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 12/5/2016

WATTS ARCHITECTURE & ENGINEERING

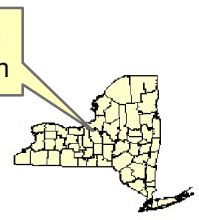
Noise Barrier 9:
Noise Impacts = 25
Benefitted Receptors = 29
Feasible = Yes
Reasonable = Yes

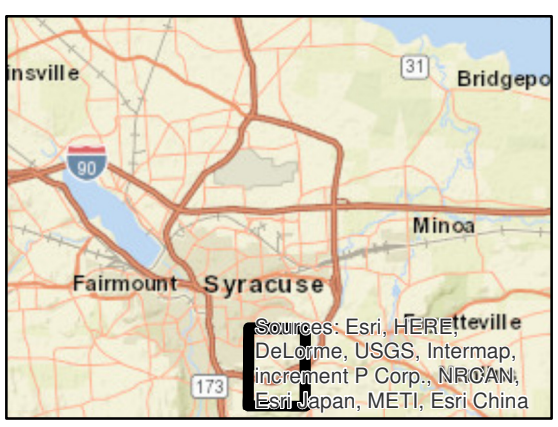
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

CG2 Barrier Analysis Results (Page 9 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 12/5/2016

WATTS ARCHITECTURE & ENGINEERING

Noise Barrier 12A:
Noise Impacts = 2
Benefitted Receptors = 4
Feasible = Yes
Reasonable = No

Noise Barrier 12B:
Noise Impacts = 15
Benefitted Receptors = 40
Feasible = Yes
Reasonable = Yes

Noise Barrier 11C/D:
Noise Impacts = 21
Benefitted Receptors = 91
Feasible = Yes
Reasonable = Yes

Noise Barrier 12C:
Noise Impacts = 2
Benefitted Receptors = 8
Feasible = Yes
Reasonable = No

Noise Barrier 11B:
Noise Impacts = 4
Benefitted Receptors = 6
Feasible = No
Reasonable = No

Noise Barrier 11A:
Noise Impacts = 4
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

Noise Barrier 11F:
Noise Impacts = 6
Benefitted Receptors = 0
Feasible = No
Reasonable = No

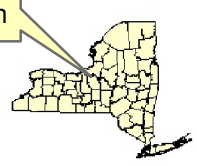
Noise Barrier 10:
Noise Impacts = 9
Benefitted Receptors = 0
Feasible = No
Reasonable = No

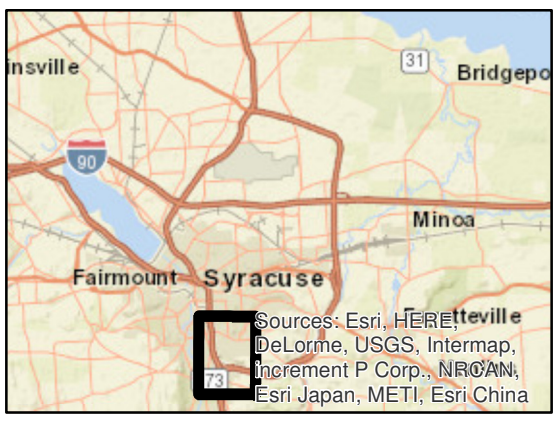
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 Barrier Analysis Results (Page 10 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 12/5/2016

Noise Barrier 13C (Partial):
Noise Impacts = 8
Benefitted Receptors = 8
Feasible = Yes
Reasonable = Yes

Noise Barrier 13A/B/C:
Noise Impacts = 42
Benefitted Receptors = 11
Feasible = No
Reasonable = No

Noise Barrier 13H:
Noise Impacts = 8
Benefitted Receptors = 7
Feasible = Yes
Reasonable = Yes

Noise Barrier 13G:
Noise Impacts = 12
Benefitted Receptors = 7
Feasible = Yes
Reasonable = No

Noise Barrier 13D/E/F:
Noise Impacts = 28
Benefitted Receptors = 27
Feasible = Yes
Reasonable = Yes

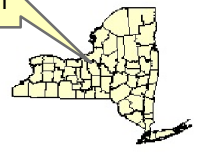
Noise Barrier 13I:
Noise Impacts = 12
Benefitted Receptors = 6
Feasible = Yes
Reasonable = No

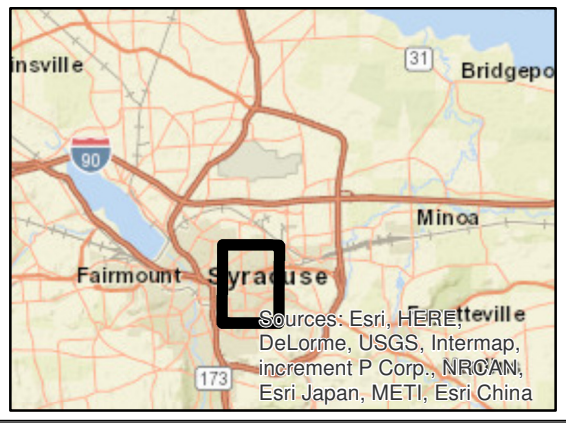
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 Barrier Analysis Results (Page 11 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

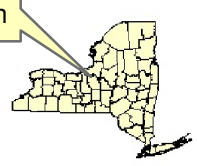
Date: 12/21/2016

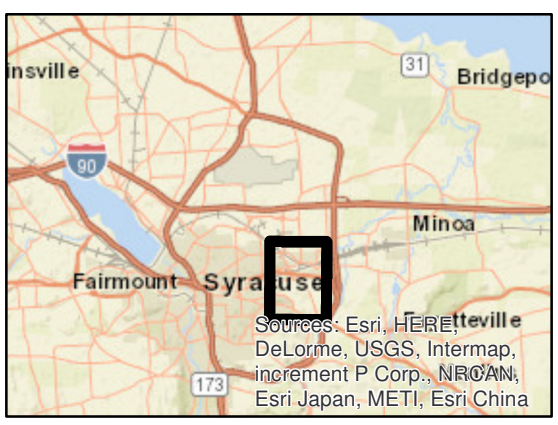


Legend

- Project Study Area Limits
- Noise Barrier Recommended
- Noise Barrier Not Recommended

Project Location





0 650 1,300 2,600 Feet

WATTS ARCHITECTURE & ENGINEERING

CG2 Barrier Analysis Results (Page 12 of 12)

I-81 Viaduct Project, Contract D031085
City of Syracuse, Onondaga County
New York

Date: 12/20/2016

ATTACHMENT K

2050 Community Grid Alternative – Option 2 (CG2) Conditions Noise Abatement Barrier Location Coordinates and Dimensions Tables

Tables: Community Grid Alternative Noise Abatement Barrier Location Coordinates and Dimensions
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Noise Barrier 1						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point3984	1109	944706.60	1144915.80	400	--	
point3985	1110	944735.00	1144817.00	397	102.80	
point3986	1111	944744.40	1144774.80	396	43.23	
point3987	1112	944788.40	1144570.40	390	209.08	
point3988	1113	944828.10	1144391.50	389	183.25	
point3989	1114	944856.20	1144242.40	390	151.72	
point3990	1115	944865.30	1144124.10	391	118.65	
point3996	1116	944852.40	1143994.80	392	129.94	
point3992	1117	944813.40	1143861.30	394	139.08	
point3993	1118	944769.70	1143762.00	397	108.49	
point3994	1119	944675.60	1143623.40	401	167.53	
point3995	1120	944546.00	1143455.80	405	211.86	
point839	1121	944372.60	1143232.00	411	283.11	
point840	1122	944259.50	1143079.10	414	190.18	12
point842	1123	944224.10	1143025.40	415	64.32	
point843	1124	944181.40	1142946.30	416	89.89	
point844	1125	944130.40	1142830.90	416	126.17	
point845	1126	944065.20	1142688.90	416	156.25	
point846	1127	944010.90	1142561.80	415	138.21	
point847	1128	943974.30	1142442.40	414	124.88	
point848	1129	943938.70	1142282.80	412	163.52	
point850	1130	943916.90	1142134.60	410	149.79	
point851	1131	943909.20	1142034.30	407	100.60	
point852	1132	943908.70	1141823.30	405	211.00	
point854	1133	943928.70	1141426.80	407	397.00	
point855	1134	943932.80	1141240.50	407	186.35	
point856	1135	943923.20	1141033.50	407	207.22	
Total SF		49850				

Noise Barrier 2						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point865	1161	943944.90	1140391.10	408	--	
point866	1162	944004.60	1140622.50	408	238.98	
point868	1163	944025.00	1140727.80	409	107.26	
point869	1164	944054.90	1140947.40	409	221.63	
point870	1165	944067.10	1141143.00	409	195.98	
point872	1166	944068.40	1141220.30	408	77.31	
point1557	1167	944055.20	1141551.30	405	331.26	
point873	1168	944042.30	1141785.30	405	234.36	12
point875	1169	944049.10	1142090.10	408	304.88	
point876	1170	944078.90	1142298.60	410	210.62	
point878	1171	944105.00	1142410.30	412	114.71	
point879	1172	944181.40	1142654.80	415	256.16	
point880	1173	944244.20	1142792.90	415	151.71	
point882	1174	944389.50	1143008.80	413	260.24	

point883	1175	944494.80	1143151.40	410	177.26	
Total SF		34588				

Noise Barrier 3						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point910	1185	946287.60	1150033.50	400.00	--	14
point10205	1250	946309.40	1149717.30	399.00	316.95	
point10206	1251	946330.10	1149399.50	396.00	318.47	
point911	1186	946366.40	1148843.30	390.00	557.38	
point10182	1187	946385.50	1148429.40	387.00	414.34	
point10183	1188	946402.10	1147963.30	387.00	466.40	
point10184	1189	946413.30	1147726.60	391.00	236.96	
point10185	1190	946457.90	1147061.80	399.00	666.29	
point10176	1191	946457.30	1146859.00	398.00	202.80	
point10177	1192	946455.80	1146749.80	398.00	109.21	
point10178	1193	946450.20	1146645.80	397.00	104.15	
point10179	1194	946439.60	1146534.00	396.00	112.30	
point10180	1195	946433.60	1146486.00	396.00	48.37	
point3957	1196	946412.10	1146352.30	394.00	135.42	
point3958	1197	946366.90	1146192.30	392.00	166.26	
point3959	1198	946334.70	1146126.90	391.00	72.90	
point3960	1199	946300.70	1146071.30	390.00	65.17	
point3961	1200	946224.90	1145975.80	389.00	121.93	
point3962	1201	946124.70	1145886.00	390.00	134.55	
point3963	1202	946057.20	1145840.90	390.00	81.18	
point3964	1203	945993.90	1145807.30	389.00	71.66	
point3965	1204	945748.30	1145702.10	385.00	267.18	
Total SF		65378				

Noise Barrier 4A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point3922	1219	948203.90	1144733.50	403.00	--	18
point3923	1221	948032.70	1144783.50	401.00	178.35	
point3924	1222	947869.70	1144846.30	398.00	174.68	
point3925	1223	947723.30	1144917.40	396.00	162.75	
point3926	1224	947591.60	1144994.50	394.00	152.61	
point3927	1225	947451.20	1145092.80	392.00	171.39	
point3928	1226	947297.20	1145223.30	391.00	201.86	
point3929	1227	947175.20	1145347.80	391.00	174.31	
point3930	1228	947067.90	1145477.90	392.00	168.64	
point3931	1229	946955.20	1145643.30	393.00	200.15	
point10126	1230	946877.50	1145782.40	394.00	159.33	
point3932	1231	946825.00	1145894.10	394.00	123.42	
point3933	1232	946762.10	1146058.60	395.00	176.12	
point10127	1233	946731.10	1146160.60	396.00	106.61	
point3939	1234	946705.40	1146264.80	397.00	107.32	
point3935	1235	946671.90	1146466.30	398.00	204.27	

point3936	1236	946649.50	1146749.10	399.00	283.69	
Total SF		49419				

Noise Barrier 4B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1551	1243	946552.70	1148195.60	387.00	--	
point1552	1244	946533.10	1148423.10	387.00	228.34	
point907	1245	946498.60	1148854.30	390.00	432.58	
point10203	1248	946462.30	1149409.60	396.00	556.49	12
point10204	1249	946440.00	1149729.80	399.00	320.98	
point4037	1247	946419.10	1150039.80	400.00	310.70	
point4038	1246	946403.40	1150271.80	400.00	232.53	
Total SF		24979				

Noise Barrier 5						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1140		958187.10	1141546.00	410.25	--	
pt 1139		958679.40	1141368.10	410.5	523.46	
pt 3359		959663.90	1141012.50	411	1046.75	12
pt 3360		960569.80	1140685.10	414	963.25	
pt 1141		960825.00	1140592.10	413	271.62	
Total SF		33661				

Noise Barrier 6						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1038	1127	962797.60	1136654.80	420	--	
pt 1534	1128	962838.90	1136869.80	425	218.93	
pt 1040	1129	962866.50	1137012.50	428	145.34	
pt 1041	1130	962878.60	1137076.30	430	64.94	
pt 1535	1131	962918.60	1137286.30	435	213.78	
pt 1042	1132	962965.80	1137574.30	440	291.84	
pt 1043	1133	962981.70	1137736.10	440	162.58	20
pt 1045	1134	962986.60	1137797.10	441	61.20	
pt 1046	1135	962987.40	1138004.10	441	207.00	
pt 1048	1136	962982.30	1138107.30	440	103.33	
pt 1049	1137	962978.00	1138164.00	440	56.86	
pt 1050	1138	962912.50	1138576.00	434	417.17	
pt 1051	1139	962881.10	1138698.80	430	126.75	
Total SF		41394				

Noise Barrier 7						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point2463	1022	962215.60	1111234.60	422.00	--	
point2464	1023	962282.70	1110999.10	422.00	244.87	
point2465	1024	962316.40	1110842.80	422.00	159.89	
point488	1025	962341.20	1110697.10	422.00	147.80	
point489	1026	962360.20	1110539.80	424.00	158.44	

point490	1027	962373.20	1110336.60	427.00	203.62	16
point491	1028	962373.10	1110107.30	430.00	229.30	
point493	1029	962367.80	1110005.00	432.00	102.44	
point494	1030	962344.00	1109776.80	435.00	229.44	
point495	1031	962265.80	1109389.10	435.00	395.51	
point497	1032	962153.50	1109045.50	432.00	361.49	
Total SF		35725				

Noise Barrier 8						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point2078	1037	961135.20	1105950.00	431.00	--	
point2078-2	1038	961109.90	1106360.60	428.50	411.38	
point2079	1039	961084.10	1106771.10	426.00	411.31	
point2080	1040	961096.90	1106876.90	427.00	106.57	
point2081	1041	961127.70	1106968.80	427.00	96.92	
point454	1042	961234.00	1107156.00	426.00	215.28	
point1521	1043	961434.20	1107483.50	425.00	383.84	
point1521-2	1044	961653.20	1107857.00	425.00	432.97	12
point1522	1045	961878.50	1108226.80	425.00	433.03	
point455	1046	962006.00	1108436.40	427.00	245.33	
point457	1047	962093.40	1108585.30	429.00	172.66	
point458	1048	962183.00	1108760.60	430.00	196.87	
point460	1049	962249.30	1108908.40	432.00	161.99	
point461	1050	962320.90	1109092.60	433.00	197.63	
point462	1051	962379.80	1109275.60	435.00	192.25	
point462	1051	962379.80	1109275.60	435.00	--	
point464	1052	962417.40	1109416.10	436.00	145.44	
point465	1053	962461.00	1109613.10	436.00	201.77	
point466	1054	962494.30	1109825.50	434.00	214.99	
point468	1055	962531.60	1110081.00	430.00	258.21	
point470	1056	962550.60	1110210.80	428.00	131.18	
point1523	1057	962582.90	1110428.80	425.00	220.38	14
point2527	1058	962640.00	1110824.10	425.00	399.40	
point2528	1059	962662.40	1110975.50	425.00	153.05	
point2529	1060	962693.70	1111190.80	430.00	217.56	
point2530	1061	962741.50	1111519.30	436.00	331.96	
point2531	1063	962789.40	1111844.90	440.00	329.10	
point2532	1062	962807.30	1111972.00	441.00	128.35	
Total SF		82136				

Noise Barrier 9						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point116	994	948815.40	1094775.00	580.00	--	
point117	995	949012.20	1094731.60	580.00	201.53	
point118	996	949398.70	1094646.60	582.00	395.74	
point40	997	949692.90	1094583.40	584.00	300.91	12
point41	998	949936.30	1094547.00	585.00	246.11	

point42	999	950146.50	1094535.60	586.00	210.51	
point43	1000	950434.70	1094551.10	587.00	288.62	
Total SF		19721				

Noise Barrier 10						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 9690	1031	940283.10	1093887.00	624.00	--	20
pt 9691	1032	940308.10	1094188.10	615.00	302.14	
pt 9692	1033	940325.60	1094397.90	610.00	210.53	
pt 9693	1034	940336.90	1094533.80	605.00	136.37	
pt 9694	1035	940347.00	1094632.50	604.00	99.22	
pt 9695	1036	940362.70	1094733.30	600.00	102.02	
pt 9696	1037	940382.50	1094827.10	597.00	95.87	
pt 9697	1038	940408.40	1094924.60	595.00	100.88	
pt 9698	1039	940439.00	1095019.30	592.00	99.52	
Total SF		22931				

Noise Barrier 11A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 1197	1048	939267.60	1097899.40	486.00	--	20
pt 9889	1049	939583.50	1097289.50	504.00	686.86	
pt 9874	1050	939688.30	1097081.80	508.00	232.64	
pt 9891	1051	939793.40	1096870.30	510.00	236.17	
Total SF		23113				

Noise Barrier 11B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 8908	1023	938594.40	1101272.50	477.00	--	18.77
pt 8909	1024	938591.50	1100878.00	480.00	394.51	
pt	1025	938594.50	1100710.30	480.00	167.73	
pt 8910	1026	938596.40	1100603.40	480.00	106.92	
pt 8911	1027	938604.60	1100413.80	479.00	189.78	
pt 8912	1028	938623.40	1100202.30	475.00	212.33	
pt 8913	1029	938652.10	1099972.30	470.00	231.78	
pt 8914	1030	938670.70	1099846.60	467.00	127.07	
pt 8915	1031	938688.80	1099738.80	466.00	109.31	
pt 8916	1032	938729.70	1099550.10	461.00	193.08	
pt 8917	1033	938765.20	1099385.60	458.00	168.29	
pt 8918	1034	938816.50	1099155.30	457.00	235.94	
Total SF		40117				

Noise Barrier 11C/D						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
Pt 10021	995	937966.00	1105581.50	411.00	--	
Pt 10022	996	937966.40	1105495.00	414.00	86.50	
Pt 10030	997	937987.20	1105377.80	416.00	119.03	
Pt 10031	998	938055.30	1105127.60	423.00	259.30	

Pt 10032	999	938133.00	1104853.80	427.00	284.61	
Pt 9931	1000	938197.70	1104622.10	432.00	240.56	
Pt 1563	1001	938252.80	1104419.80	435.00	209.67	
Pt 10073	1002	938323.00	1104169.00	440.00	260.44	
Pt 1564	1003	938402.10	1103878.30	445.00	301.27	20
Pt 605	1004	938476.90	1103617.80	450.00	271.03	
Pt 8954	1005	938577.80	1103252.30	455.00	379.17	
Pt 8955	1006	938633.90	1103023.30	457.00	235.77	
Pt 8956	1007	938643.30	1102953.80	458.00	70.13	
Pt 8957	1008	938675.80	1102723.80	460.00	232.28	
Pt 8958	1009	938683.40	1102538.80	462.00	185.16	
Pt 9063	1010	938668.50	1102324.10	465.00	215.22	
Pt 9064	1011	938655.40	1102128.00	466.00	196.54	
Pt 9065	1012	938644.50	1102030.00	468.00	98.60	
Total SF		72906				

Noise Barrier 11F						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 9911	1050	940101.50	1094839.60	579.00	--	
pt 9913	1051	940100.20	1094790.00	580.00	49.62	
pt 9914	1052	940096.30	1094640.50	583.00	149.55	
pt 9915	1053	940091.20	1094442.80	584.00	197.77	
pt 9916	1054	940085.50	1094259.40	586.50	183.49	
pt 9917	1055	940079.70	1094131.40	588.00	128.13	20
pt 9918	1056	940074.80	1094043.30	590.00	88.24	
pt 9919	1057	940068.20	1093942.80	592.00	100.72	
pt 8204	1058	940036.70	1093526.80	598.00	417.19	
pt 8205	1059	940031.10	1093386.80	600.00	140.11	
pt 8206	1060	940019.00	1093014.80	605.00	372.20	
Total SF		36540				

Noise Barrier 12A						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 9470	1072	938710.50	1103361.30	444.00	--	
pt 9471	1073	938678.20	1103488.40	448.00	131.14	
pt 9472	1074	938617.60	1103656.90	450.00	179.07	
pt 9473	1075	938549.60	1103829.40	446.00	185.42	
pt 9474	1076	938520.80	1103911.50	445.00	87.00	
pt 9475	1077	938479.10	1104056.00	442.50	150.40	
pt 616	1078	938439.20	1104201.40	440.00	150.78	
pt 10034	1079	938311.30	1104653.90	432.00	470.23	
pt 10035	1080	938237.70	1104872.90	427.00	231.04	18
pt 10036	1081	938182.50	1105070.00	424.00	204.68	
pt 10024	1082	938156.80	1105160.90	423.00	94.46	
pt 10025	1083	938086.40	1105410.80	416.00	259.63	
pt 10026	1084	938056.40	1105518.50	414.00	111.80	
pt 10027	1085	938041.30	1105593.50	411.00	76.50	

pt 10028	1086	938032.10	1105695.60	408.00	102.51	
pt 10029	1087	938034.20	1105799.50	406.00	103.92	
Total SF		45694				

Noise Barrier 12B						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
pt 8942	1060	938753.30	1101900.00	470.00	--	16
pt 8943	1061	938777.50	1102166.00	467.00	267.10	
pt 8944	1062	938792.70	1102462.90	465.00	297.29	
pt 8945	1063	938790.60	1102605.50	463.00	142.62	
pt 8946	1064	938780.70	1102752.60	462.00	147.43	
pt 8947	1065	938767.40	1102868.30	460.00	116.46	
pt 8948	1066	938752.80	1102979.50	459.00	112.15	
pt 8949	1067	938740.50	1103043.30	459.00	64.97	
pt 8950	1068	938717.80	1103141.80	458.00	101.08	
pt 8951	1069	938662.20	1103354.10	455.00	219.46	
pt 8952	1070	938580.80	1103646.60	450.00	303.62	
Total SF		28298				

Noise Barrier 12C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point1103	1103	939032.20	1099542.80	485.00	--	18.99
point1092	1092	938995.00	1099725.40	487.00	186.35	
point1093	1093	938959.90	1099794.80	486.00	77.77	
point1094	1094	938929.00	1099886.50	486.00	96.77	
point1095	1095	938896.30	1099995.90	488.00	114.18	
point1096	1096	938880.60	1100036.60	487.00	43.62	
point1097	1097	938862.60	1100088.90	485.00	55.31	
point1098	1098	938838.00	1100160.30	480.00	75.52	
point1099	1099	938822.30	1100301.40	483.00	141.97	
point1100	1100	938812.00	1100357.30	483.00	56.84	
point1101	1101	938769.80	1100514.60	477.00	162.86	
Total SF		19203				

Noise Barrier 13A/B/C						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point12361	3101	938994.10	1112290.40	413.00	--	
point12362	3102	938908.50	1112289.30	417.00	85.61	
point12363	3103	938829.40	1112286.00	421.00	79.17	
point12364	3104	938741.80	1112279.90	425.00	87.81	
point12365	3105	938514.90	1112257.10	427.00	228.04	
point12366	3106	938354.20	1112240.50	429.00	161.56	
point12367	3107	938251.90	1112230.80	430.00	102.76	
point12368	3108	938163.20	1112223.80	431.00	88.98	
point12369	3109	938051.70	1112216.80	431.00	111.72	
point12122	3110	937904.50	1112207.80	432.00	147.47	
point12123	3124	937723.80	1112195.50	432.00	181.12	

point12124	3111	937594.90	1112186.80	431.00	129.19	20
point12125	3112	937436.10	1112181.00	430.00	158.91	
point12126	3113	937282.80	1112184.90	430.00	153.35	
point12127	3114	937141.00	1112196.80	431.00	142.30	
point12128	3115	937023.50	1112212.80	432.00	118.58	
point12129	3116	936926.60	1112230.30	432.50	98.47	
point12130	3117	936780.30	1112265.10	433.50	150.38	
point12132	3118	936684.30	1112294.50	434.00	100.40	
point12133	3119	936484.60	1112373.30	434.50	214.68	
point12134	3120	936294.00	1112473.50	436.00	215.33	
point12135	3121	936099.90	1112603.00	437.00	233.33	
point12136	3122	935978.90	1112703.90	437.00	157.55	
point12138	3123	935865.20	1112815.30	438.00	159.18	
point12599-2	3090	940368.20	1112180.50	425.70	--	20
point12600	3091	940098.30	1112188.80	427.00	270.03	
point12600-2	3092	939831.20	1112202.10	428.78	267.43	
point12601	3125	939798.90	1112203.50	429.00	32.33	
point12602	3093	939517.90	1112216.50	430.00	281.30	
point12603	3094	939370.00	1112223.30	431.00	148.06	
point12604	3095	939239.60	1112228.00	431.00	130.48	
point12354	3096	939089.10	1112231.30	430.00	150.54	
point12354-2	3097	939030.50	1112232.00	429.60	58.60	
point12355	3098	938818.50	1112230.40	428.00	212.01	
point12356	3099	938582.90	1112224.40	428.00	235.68	
point3100	3100	938558.70	1112223.40	428.17	24.22	
point12590	3068	941937.10	1112334.40	432.00	--	20
point12591	3069	941810.40	1112307.00	431.00	129.63	
point12592	3070	941605.30	1112271.40	429.00	208.17	
point12593	3071	941383.20	1112241.50	428.00	224.10	
point12595	3072	941081.90	1112213.90	427.00	302.56	
point12595-2	3073	941047.70	1112211.50	426.80	34.28	
point12606	3074	940866.00	1112201.30	426.00	181.99	
point12607	3075	940753.70	1112197.50	425.00	112.36	
point12607-2	3076	940686.90	1112197.00	424.50	66.80	
point12608	3077	940619.70	1112198.00	424.00	67.21	
point12609	3078	940500.00	1112203.00	424.00	119.80	
point12610	3079	940363.50	1112214.10	424.00	136.95	
point12610-2	3080	940272.70	1112224.60	424.00	91.41	
point12611	3081	940203.50	1112229.80	424.00	69.40	
point12612	3082	940019.10	1112254.50	414.00	186.05	
point12613	3083	939970.10	1112263.30	412.00	49.78	
point12614	3084	939865.30	1112271.10	408.00	105.09	
point12616	3089	939815.00	1112272.40	407.00	50.32	
point12618	3087	939727.10	1112273.40	407.00	87.91	
point12619	3088	939707.80	1112277.80	407.00	19.80	
Total SF		147203				

Tables: Community Grid Alternative Noise Abatement Barrier Location Coordinates and Dimensions
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Noise Barrier 13C (Partial)						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point12614	3084	939865.30	1112271.10	408.00	--	14
point12616	3089	939815.00	1112272.40	407.00	50.32	
point12618	3087	939727.10	1112273.40	407.00	87.91	
point12618-2	3149	939717.30	1112274.80	407.00	9.90	
point12618-3	3150	939707.80	1112277.80	407.00	9.96	
point12618-4	3151	939699.20	1112282.80	407.00	9.95	
point12619	3088	939691.80	1112289.40	407.00	9.92	
Total SF		2491				

Noise Barriers 13D/E/F						
		X	**Y**	**Z**	**Length**	**Height**
Barrier 13D	1249	942144.40	1112388.50	433.00	--	12
	1250	942317.70	1112444.90	434.00	182.25	12
	1251	942439.90	1112490.50	433.50	130.43	12
	1253	942588.10	1112548.30	433.00	159.07	14
	1173	942733.50	1112608.60	432.00	157.41	14
	1174	942823.40	1112653.40	431.50	100.44	14
	1175	942907.30	1112698.50	431.00	95.25	12
	1176	942997.80	1112750.10	430.00	104.18	12
	1177	943146.60	1112832.10	425.50	169.90	12
	1178	943294.80	1112906.80	422.00	165.96	10
	1179	943475.60	1112976.30	416.00	193.70	10
subtotal SF		17822				
Barrier 13E	1181	943202.10	1112783.80	433.00	--	12
	1182	943393.50	1112861.90	435.50	206.72	
	1183	943462.80	1112888.80	436.00	74.34	
	1184	943589.80	1112935.30	436.00	135.25	
	1185	943674.90	1112964.60	435.50	90.00	
	1186	943863.90	1113026.80	433.00	198.97	
	1187	944016.40	1113076.30	427.50	160.33	
subtotal SF		10387				
Barrier 13F	1188	943627.00	1113063.40	419.00	--	14
	1189	943728.00	1113086.80	417.00	103.68	14
	1190	943819.40	1113108.30	416.00	93.89	14
	1225	943991.60	1113148.00	416.50	176.72	14
	1226	944154.60	1113178.00	419.50	165.74	12
	1227	944294.60	1113201.10	423.50	141.89	12
	1191	944406.40	1113222.60	424.00	113.85	12
	1192	944523.50	1113253.30	424.50	121.06	12
	1193	944656.30	1113295.80	426.50	139.43	12
	1194	944806.80	1113344.40	427.50	158.15	12
	1195	945155.50	1113443.40	430.50	362.48	12
	1196	945256.90	1113475.60	430.00	106.39	10
	1273	945695.40	1113624.60	428.00	463.12	10
subtotal SF		25911				

Total SF		54120				

Noise Barrier 13G						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1194	946253.20	1113826.10	426.00	--	20
x	1195	946550.00	1113956.80	426.00	324.30	
x	1196	946871.60	1114123.50	430.00	362.24	
x	1197	947137.80	1114279.00	437.00	308.29	
x	1198	947251.60	1114332.80	443.00	125.88	
x	1199	947379.60	1114379.30	450.00	136.18	
x	1200	947472.80	1114412.90	455.00	99.07	
x	1201	947548.60	1114441.80	460.00	81.12	
Total SF		28742				

Noise Barrier 13H						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1224	948309.50	1114537.40	431.00	--	14
x	1225	948433.80	1114572.00	431.50	129.03	14
x	1226	948558.00	1114606.50	432.00	128.90	14
x	1227	948682.30	1114641.10	432.50	129.03	14
x	1228	948806.50	1114675.80	433.00	128.96	12
x	1229	948930.80	1114710.40	433.50	129.03	12
x	1230	949055.00	1114745.00	434.00	128.93	12
x	1231	949179.30	1114779.50	434.50	129.00	12
x	1232	949303.50	1114814.10	435.00	128.93	12
Total SF		13413				

Noise Barrier 13I						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1206	948824.70	1114793.90	443.00	--	20.0
x	1207	948963.10	1114805.10	440.00	138.85	
x	1208	949348.80	1114857.60	435.00	389.26	
x	1209	949634.20	1114928.30	432.00	294.03	
x	1210	949844.50	1114975.30	430.00	215.49	
x	1211	950256.60	1115086.30	425.00	426.79	
x	1212	950562.20	1115156.40	425.00	313.54	
x	1213	950813.80	1115197.40	420.00	254.92	
x	1214	951077.90	1115224.40	420.00	265.48	
x	1215	951353.20	1115243.50	425.00	275.96	
x	1216	951519.10	1115240.80	431.00	165.92	
x	1217	951693.60	1115230.00	436.00	174.83	
x	1218	951837.60	1115216.60	438.00	144.62	
x	1219	951994.50	1115195.10	440.00	158.37	
x	1220	952067.70	1115185.00	441.00	73.89	
Total SF		65839				

Noise Barrier 14

Tables: Community Grid Alternative Noise Abatement Barrier Location Coordinates and Dimensions
PIN 3501.60 - I-81 Viaduct Project, Contract D031085, City of Syracuse, Onondaga County, New York

Corresponding Roadway Segment		X	Y	Z	Length	Height
x	1197	933620.50	1116818.40	412.00	--	
x	1198	933650.20	1116751.60	411.00	73.10	
x	1199	933694.00	1116654.00	411.00	106.98	
x	1200	933731.30	1116570.40	411.00	91.54	
x	1201	933767.40	1116489.50	411.50	88.59	
x	1202	933798.10	1116439.30	412.00	58.84	
x	1203	933807.10	1116392.00	412.00	48.15	
x	1204	933833.10	1116354.80	412.00	45.39	14.0
x	1205	933874.30	1116294.80	412.00	72.78	
x	1206	933930.20	1116224.30	411.00	89.97	
x	1207	933971.30	1116173.10	410.00	65.66	
x	1208	934048.80	1116078.30	409.00	122.45	
x	1209	934129.50	1115978.90	408.00	128.03	
x	1210	934151.40	1115983.80	408.00	22.44	
x	1211	934192.50	1115934.10	407.00	64.49	
Total SF		15098				

Noise Barriers 15A&15B						
		X	Y	Z	Length	Height
Barrier 15A	1179	932910.70	1117300.30	401.00	--	16.0
	1180	932973.00	1117278.10	404.00	66.14	
	1181	933044.90	1117253.80	408.00	75.90	
	1182	933105.90	1117207.60	408.00	76.52	
	1183	933148.00	1117180.30	409.00	50.18	
	1184	933184.90	1117156.30	410.70	44.02	
subtotal SF		5004				
Barrier 15B	1168	932419.60	1117647.30	412.00	--	14.0
	1169	932427.00	1117631.50	411.50	17.45	
	1170	932516.30	1117577.10	411.00	104.57	
	1171	932560.60	1117550.10	411.00	51.88	
	1172	932614.50	1117517.30	410.00	63.10	
	1173	932698.40	1117466.00	409.00	98.34	
	1174	932728.80	1117447.50	408.50	35.59	
	1175	932776.20	1117427.60	408.00	51.41	
	1176	932854.90	1117394.80	408.00	85.26	
	1177	932899.50	1117376.00	408.00	48.40	
	1178	932978.30	1117329.40	408.00	91.55	
subtotal SF		9065				
Total SF		14069				

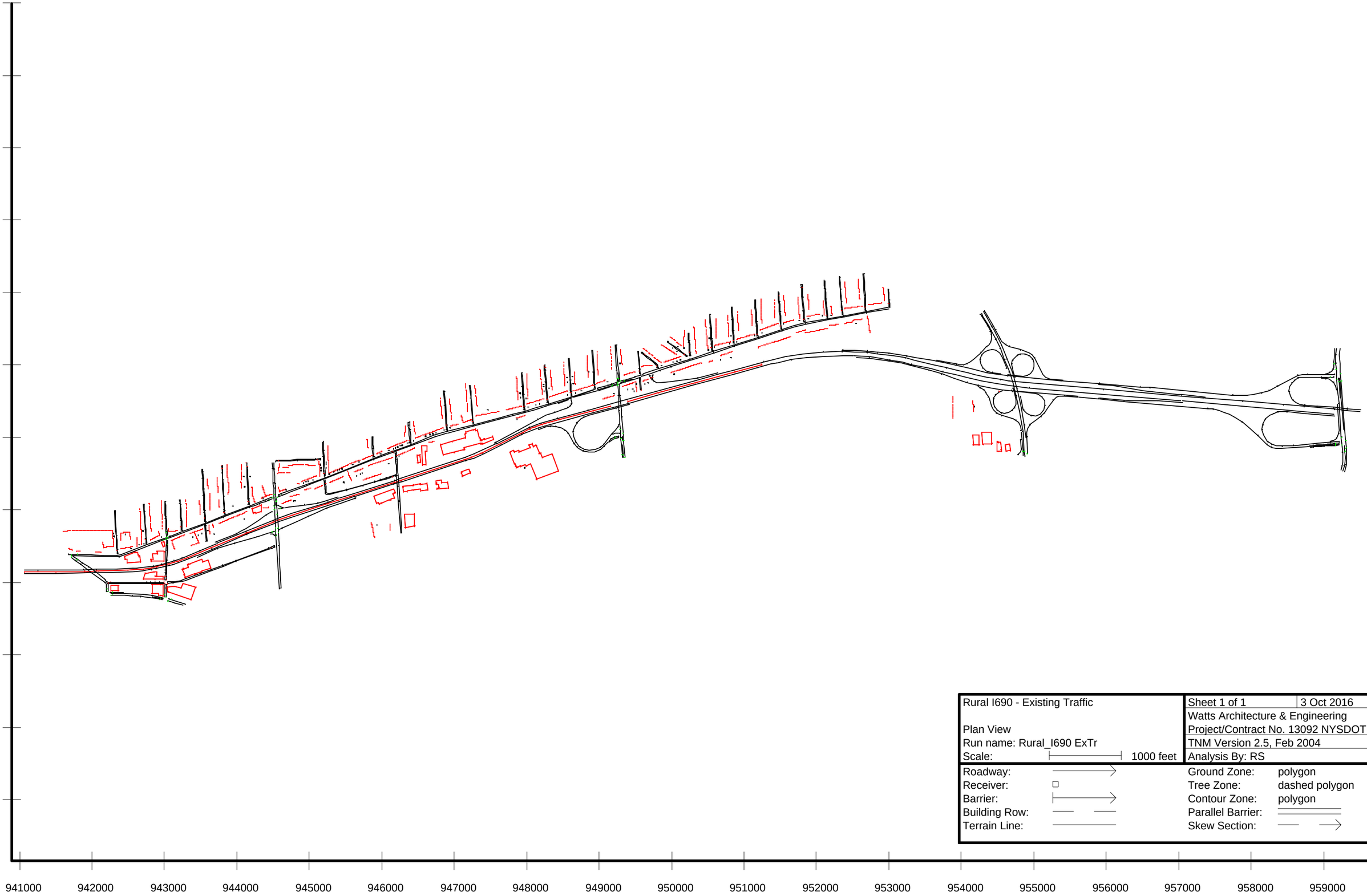
Noise Barrier 16						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
x	1218	934690.10	1130545.40	386.00	--	
x	1230	934742.40	1130630.50	385.50	99.89	
x	1219	934794.70	1130715.80	385.00	100.06	
x	1231	934847.00	1130801.00	385.00	99.97	

x	1220	934899.40	1130886.30	385.00	100.11	
x	1221	935003.90	1131056.80	385.00	199.98	
x	1222	935108.40	1131227.30	385.00	199.98	
x	1223	935213.40	1131397.50	385.00	199.98	16.4
x	1224	935325.00	1131563.40	384.00	199.94	
x	1225	935433.20	1131731.80	384.00	200.16	
x	1226	935539.30	1131901.30	384.00	199.97	
x	1232	935593.50	1131985.30	384.00	99.97	
x	1228	935647.70	1132069.30	384.00	99.97	
x	1229	935702.20	1132152.60	384.00	99.54	
x	1227	935758.10	1132235.50	384.00	99.99	
Total SF		32792				

Noise Barrier 17						
Corresponding Roadway Segment		**X**	**Y**	**Z**	**Length**	**Height**
point5072	1233	936018.00	1132843.60	391.00	--	
point5073	1243	936171.20	1133042.40	397.00	250.98	
point5074	1234	936244.60	1133139.30	401.00	121.56	
point5075	1235	936338.30	1133260.50	406.00	153.20	
x	1236	936446.40	1133399.10	410.00	175.77	
point5076	1237	936696.80	1133725.30	415.00	411.23	16.0
point5077	1242	936949.00	1134050.50	415.00	411.53	
point5078	1238	937036.00	1134152.80	415.00	134.29	
point5079	1239	937186.30	1134300.80	412.00	210.94	
point5080	1240	937322.90	1134410.80	411.00	175.38	
x	1241	937485.00	1134521.30	409.00	196.18	
Total SF		35857				

ATTACHMENT L

2013 Existing Conditions TNM Model Plan Views



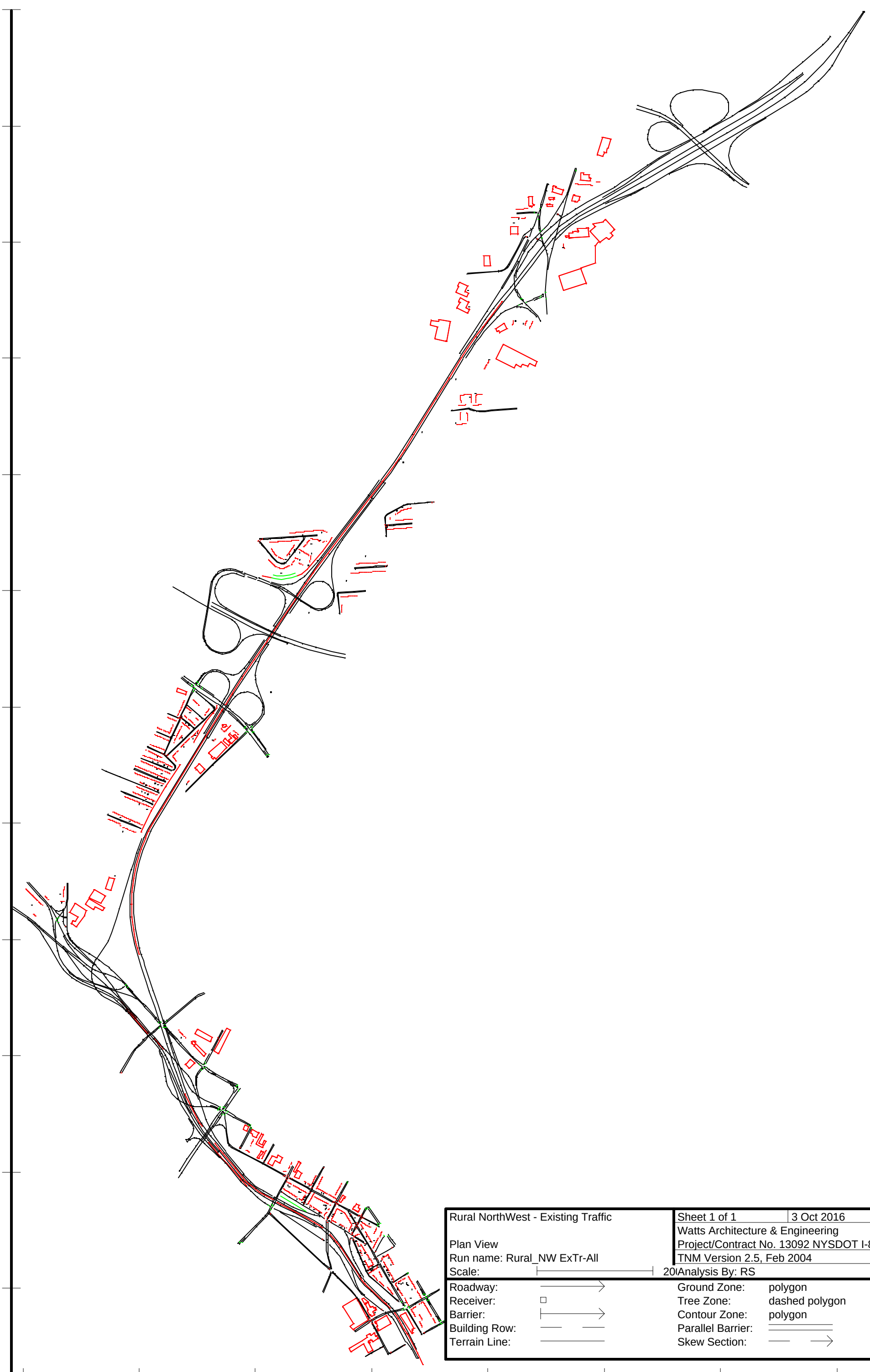
Rural I690 - Existing Traffic	Sheet 1 of 1 | 3 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_I690 ExTr	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



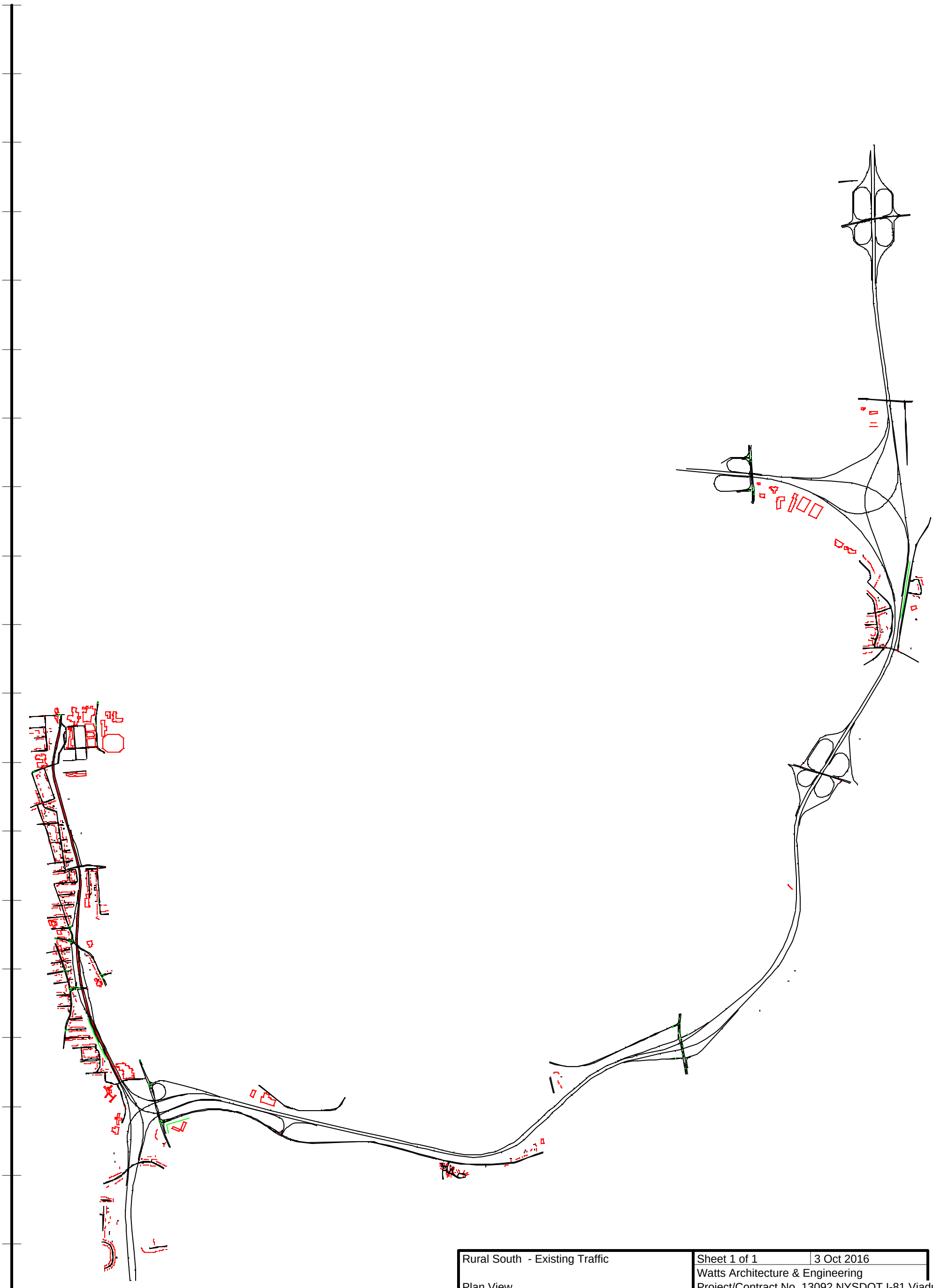
Rural NorthEast - Existing Traffic	Sheet 1 of 1 | 3 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_NE ExTr	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural NorthWest - Existing Traffic	Sheet 1 of 1 | 3 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_NW ExTr-All	TNM Version 2.5, Feb 2004
Scale: 20(	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural South - Existing Traffic		Sheet 1 of 1	3 Oct 2016
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: Rural_South ExTr		TNM Version 2.5, Feb 2004	
Scale:	2000 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

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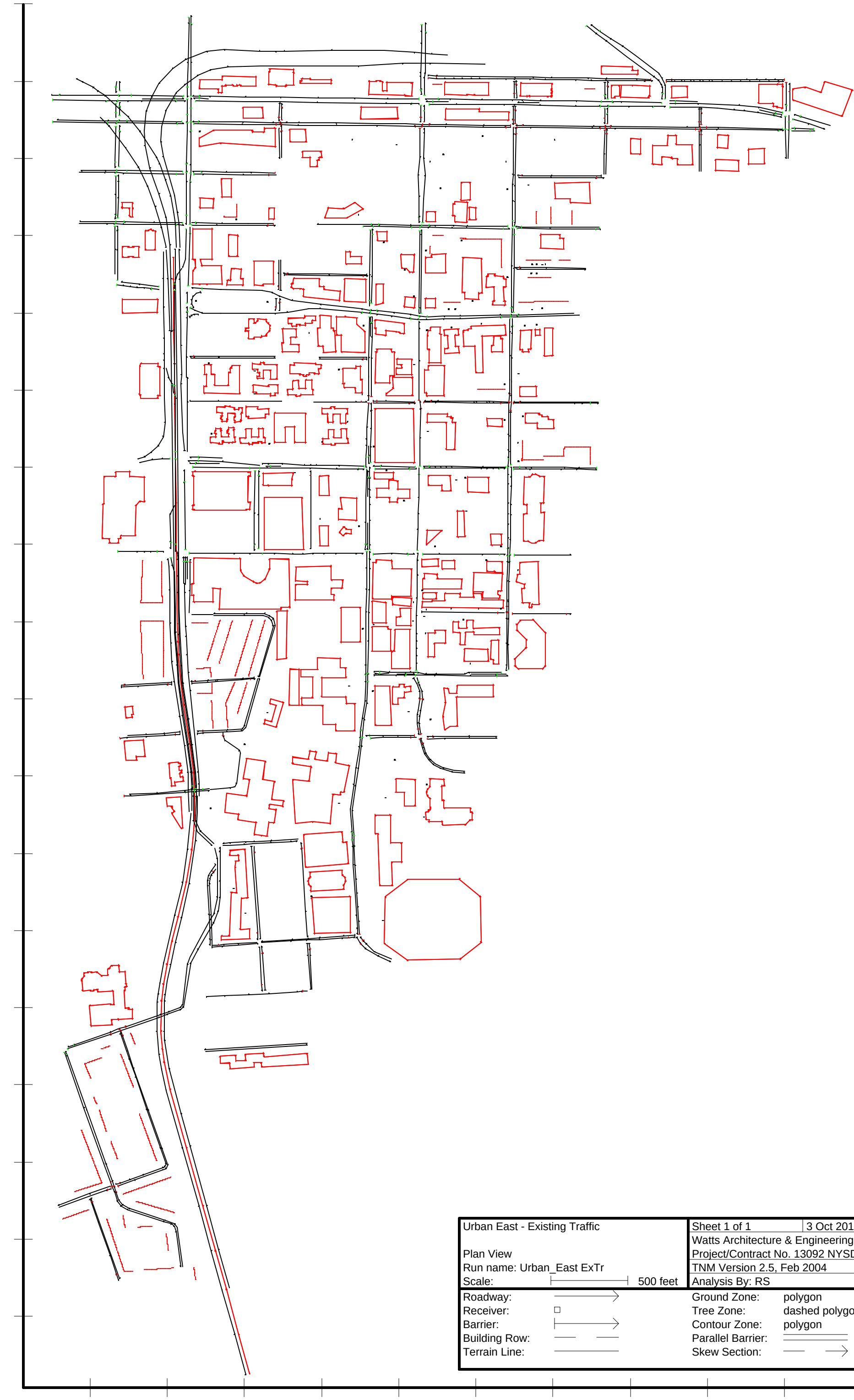
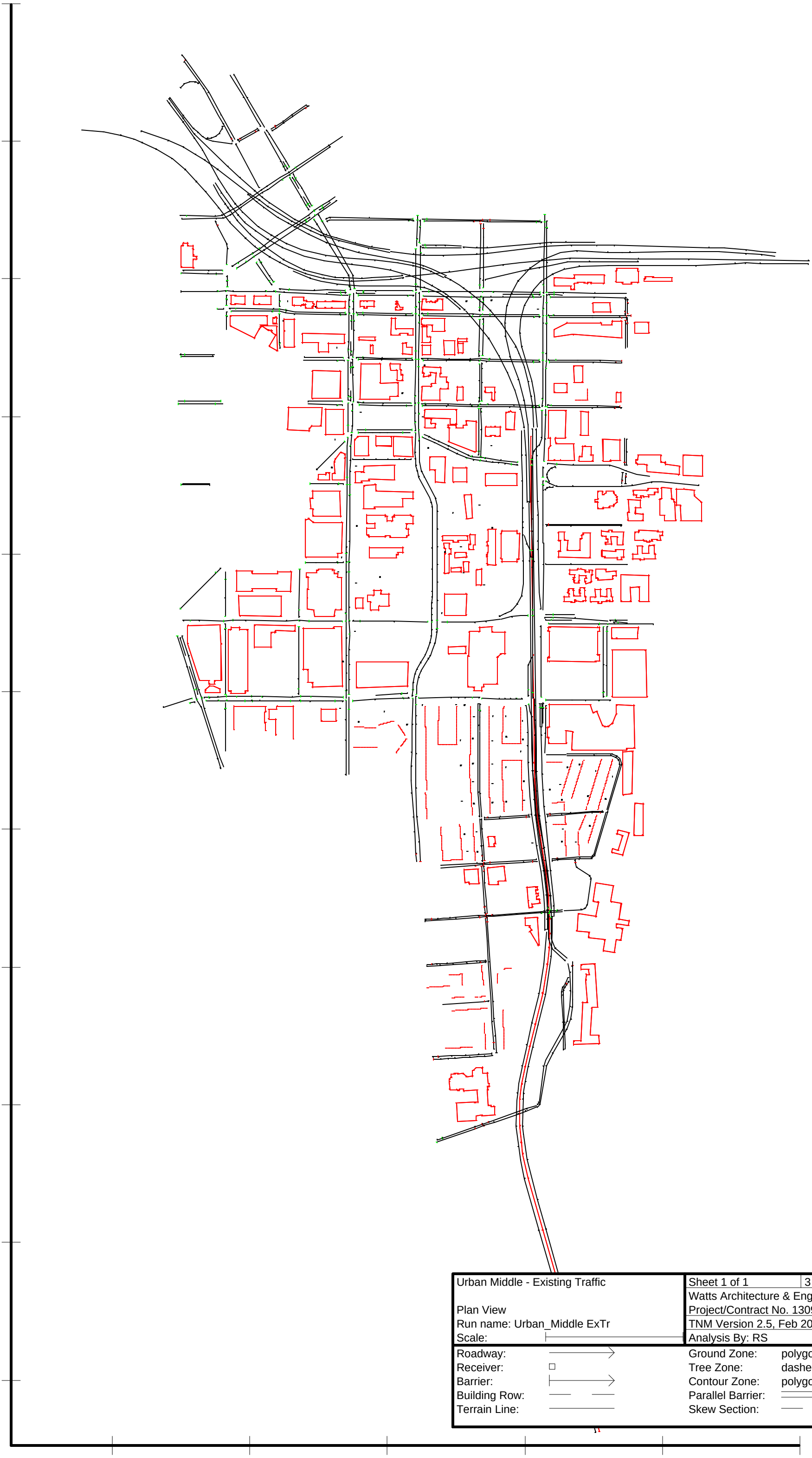
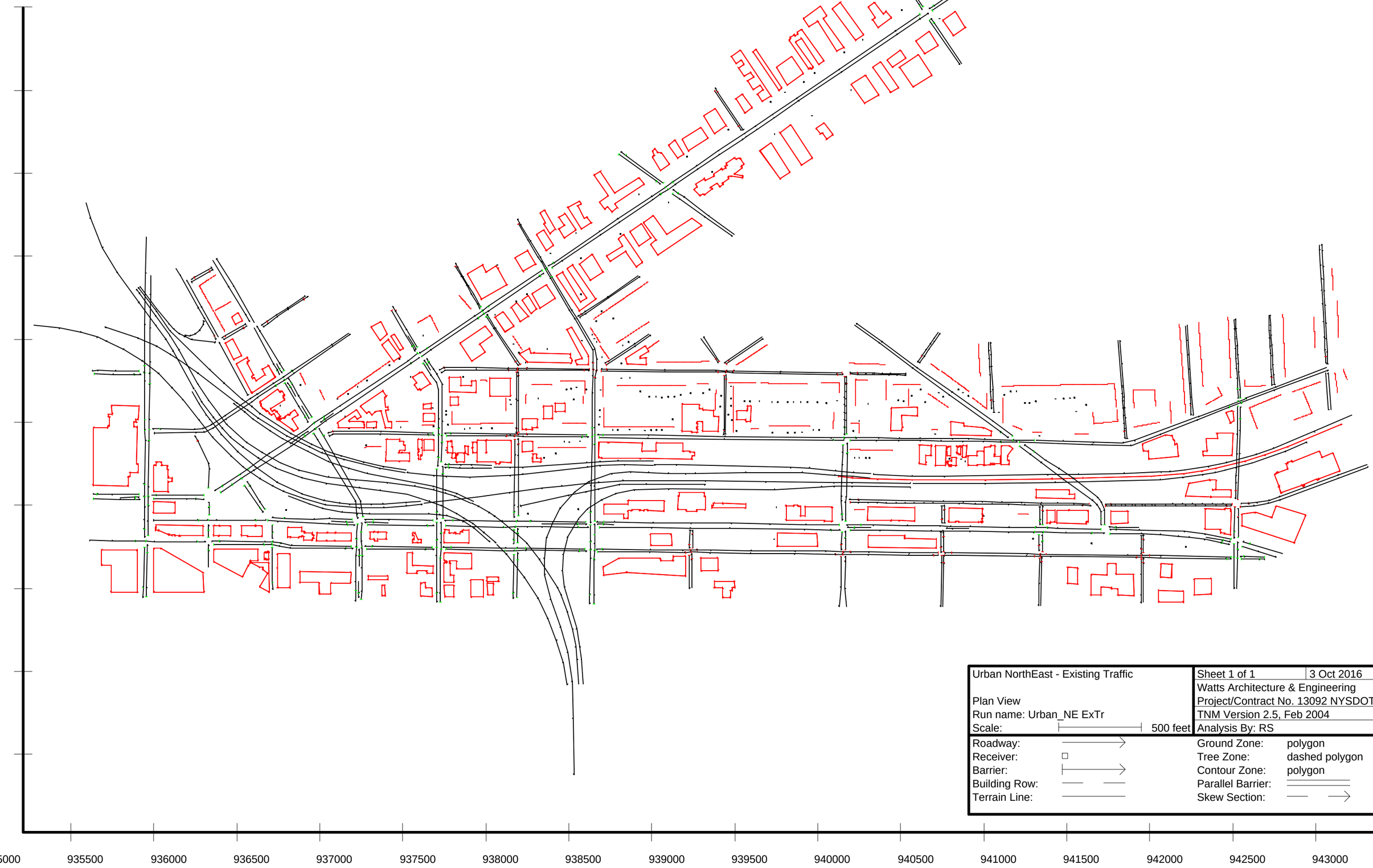


Urban East - Existing Traffic		Sheet 1 of 1	3 Oct 2016
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: Urban_East ExTr		TNM Version 2.5, Feb 2004	
Scale:	500 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



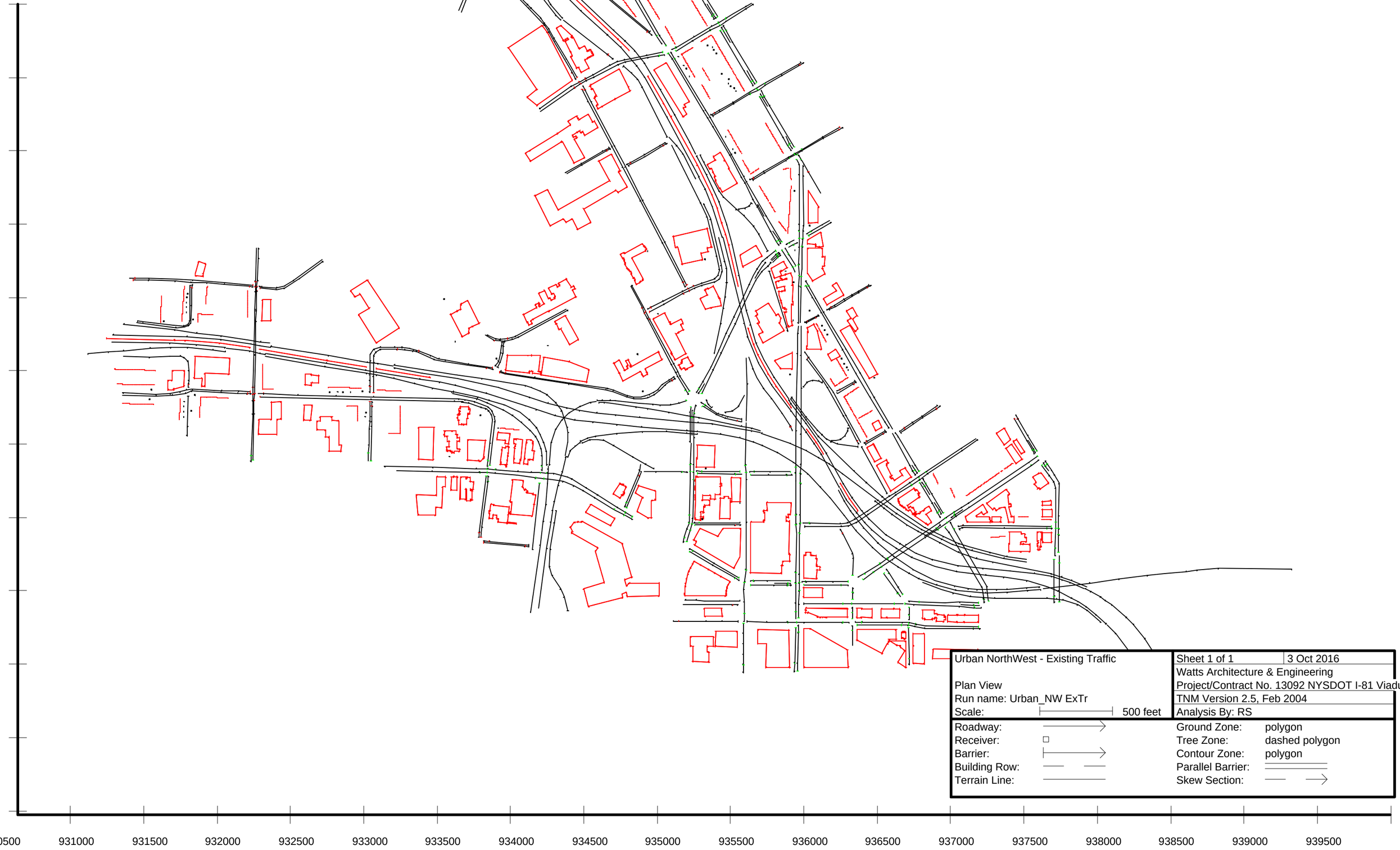
Urban Middle - Existing Traffic	Sheet 1 of 1 | 3 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Urban_Middle ExTr	TNM Version 2.5, Feb 2004
Scale:	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



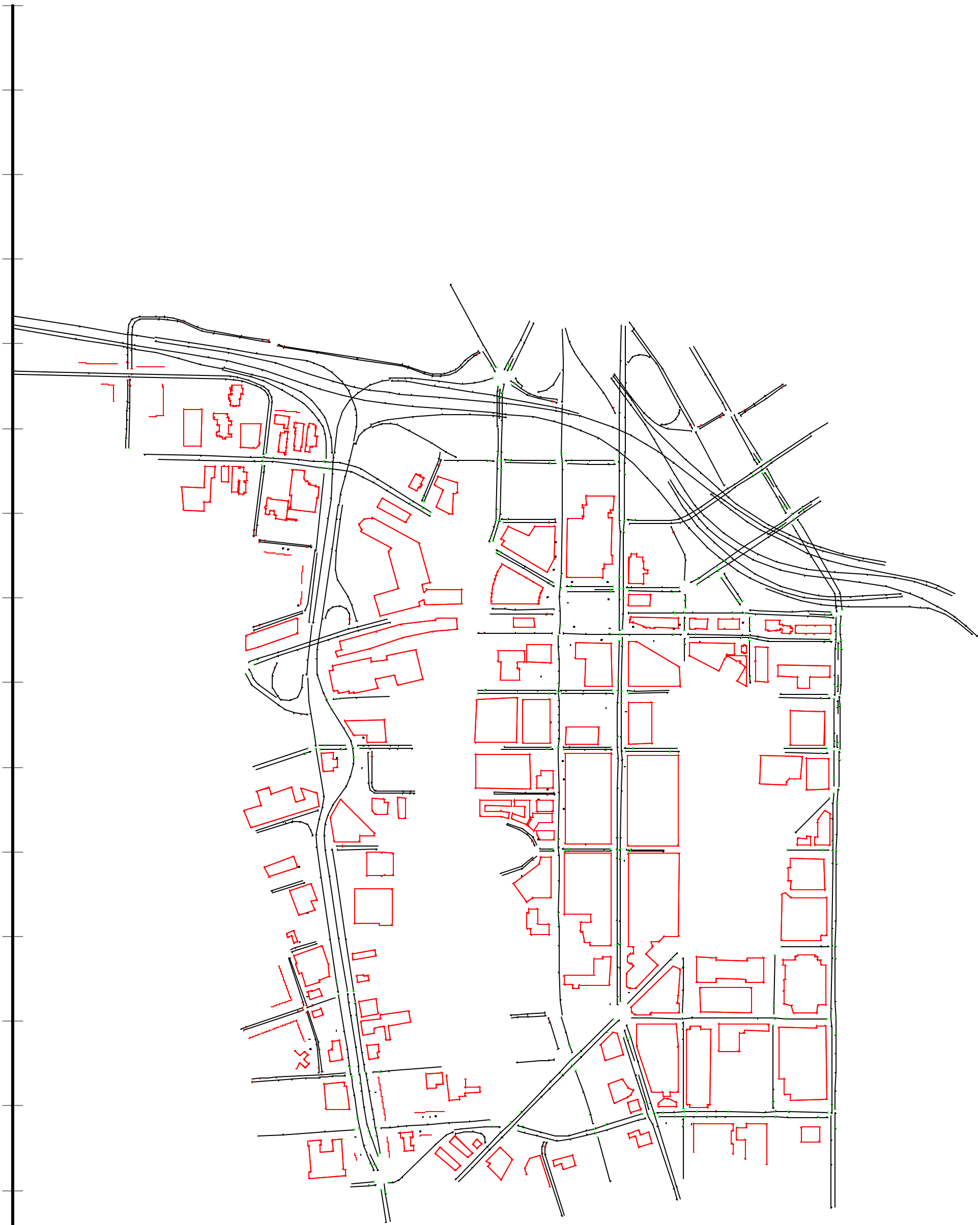
Urban NorthEast - Existing Traffic		Sheet 1 of 1	3 Oct 2016
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: Urban_NE ExTr		TNM Version 2.5, Feb 2004	
Scale:	500 feet	Analysis By: RS	

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Urban NorthWest - Existing Traffic	Sheet 1 of 1 | 3 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Urban_NW ExTr	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



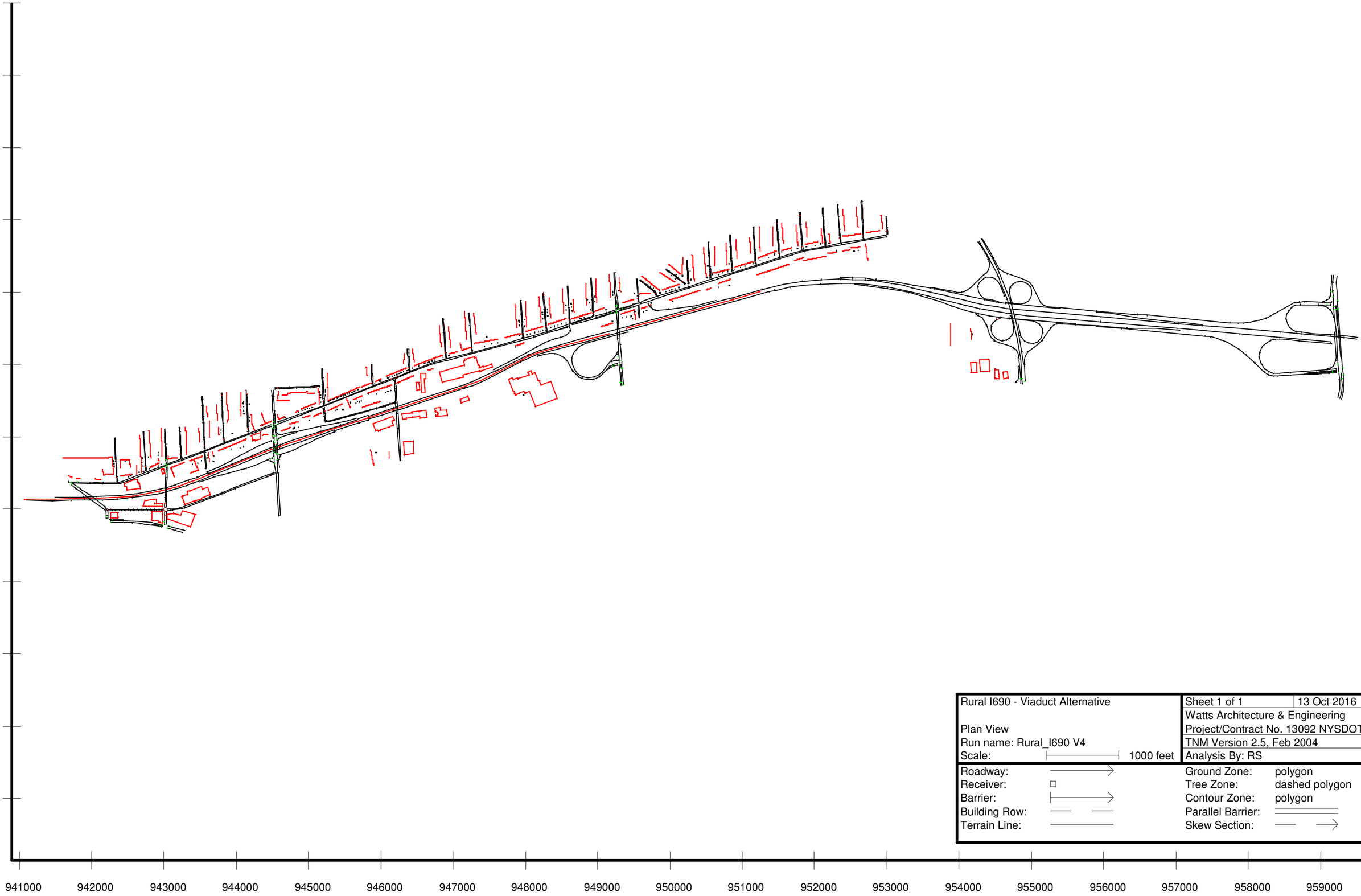
Urban West - Existing Traffic	Sheet 1 of 1 | 3 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Urban_West ExTr	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

2000 932500 933000 933500 934000 934500 935000 935500 936000 936500 937000 937500

ATTACHMENT M

2050 Viaduct Alternative – Option 4 (V4) Conditions TNM Model Plan Views



Rural I690 - Viaduct Alternative	Sheet 1 of 1 | 13 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_I690 V4	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural NorthEast - Viaduct Alternative	Sheet 1 of 1 | 13 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_NE V4	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

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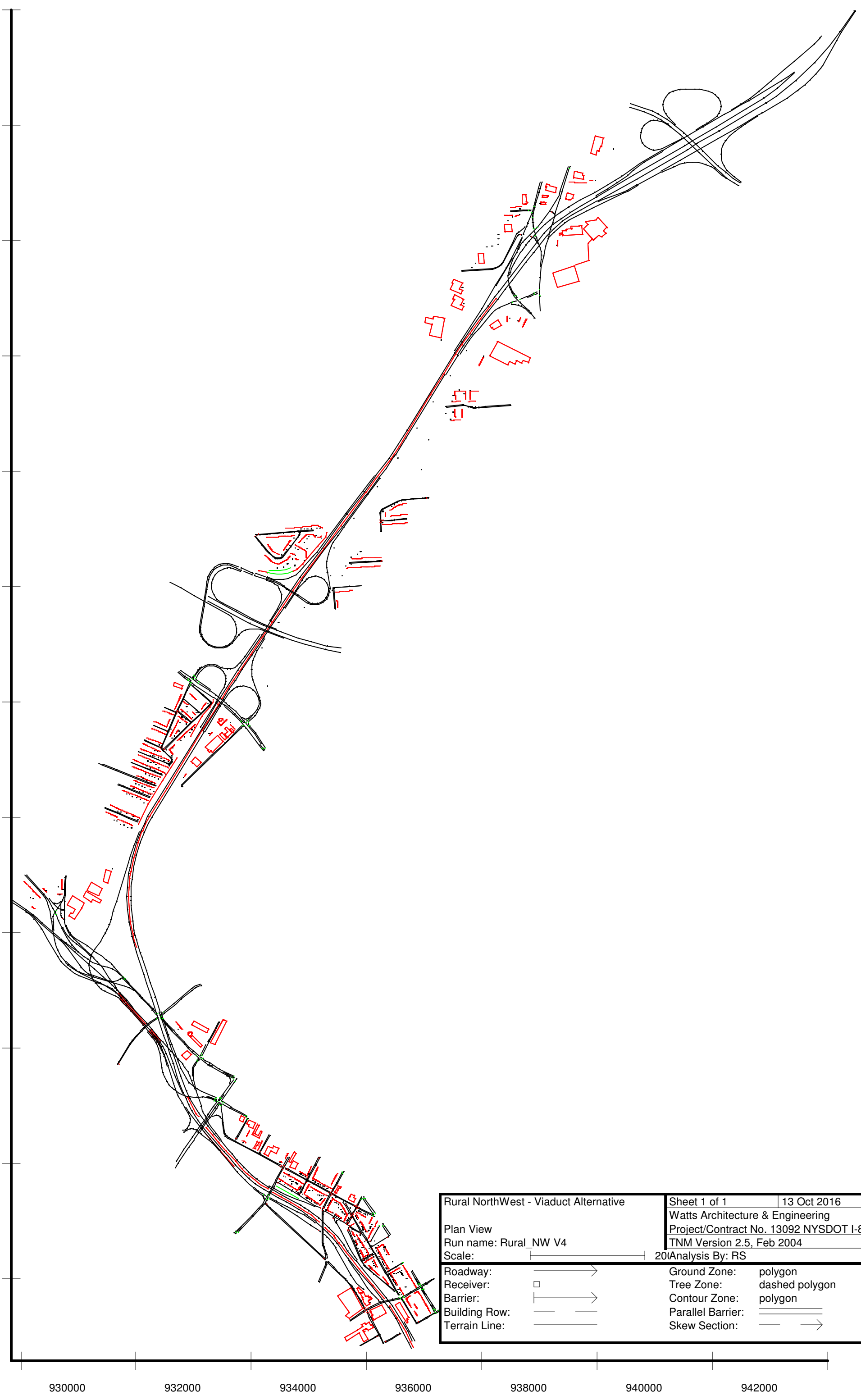
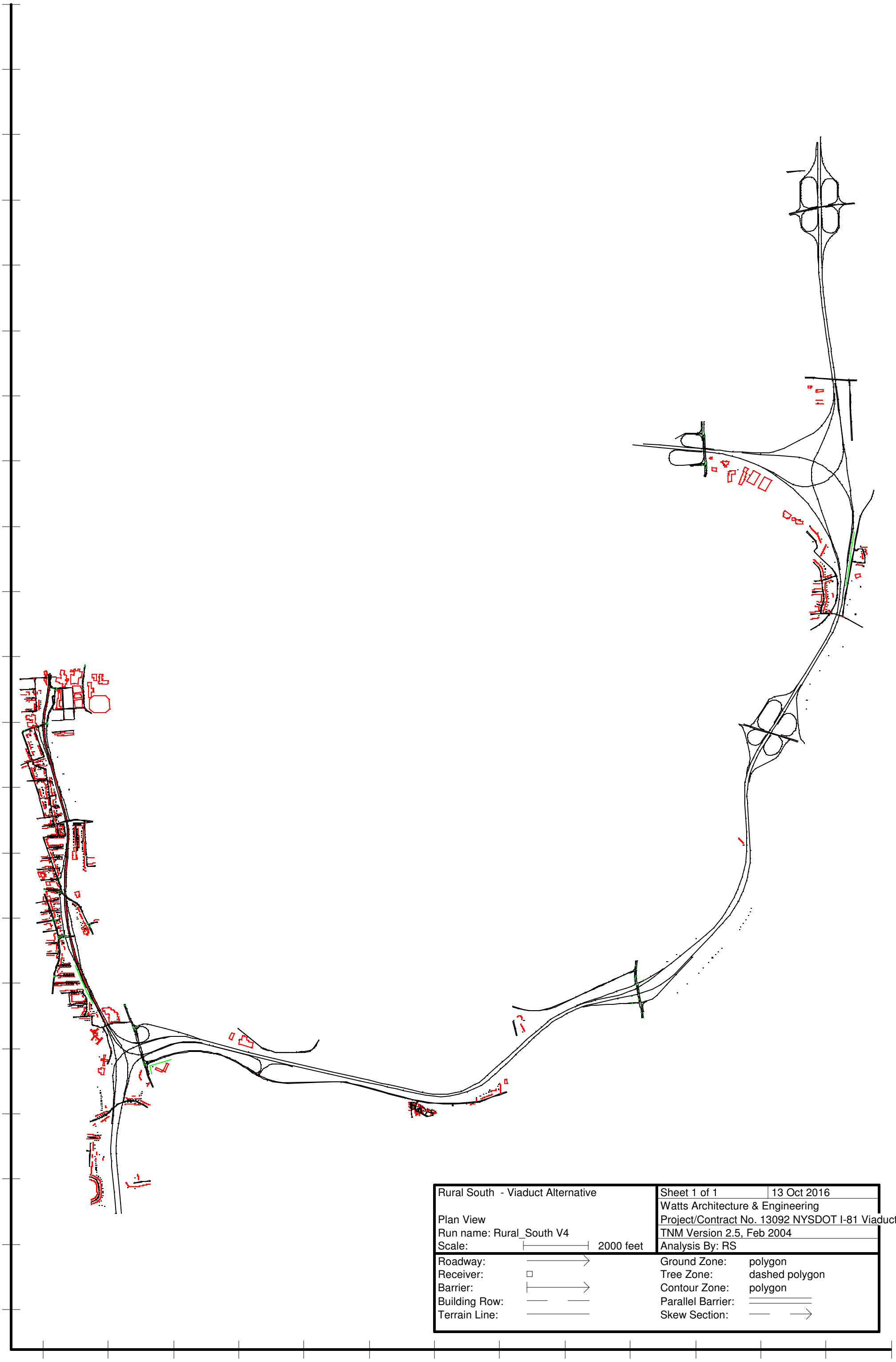


Rural NorthWest - Viaduct Alternative	Sheet 1 of 1 | 13 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_NW V4	TNM Version 2.5, Feb 2004
Scale: 20(	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural South - Viaduct Alternative	Sheet 1 of 1 | 13 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_South V4	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

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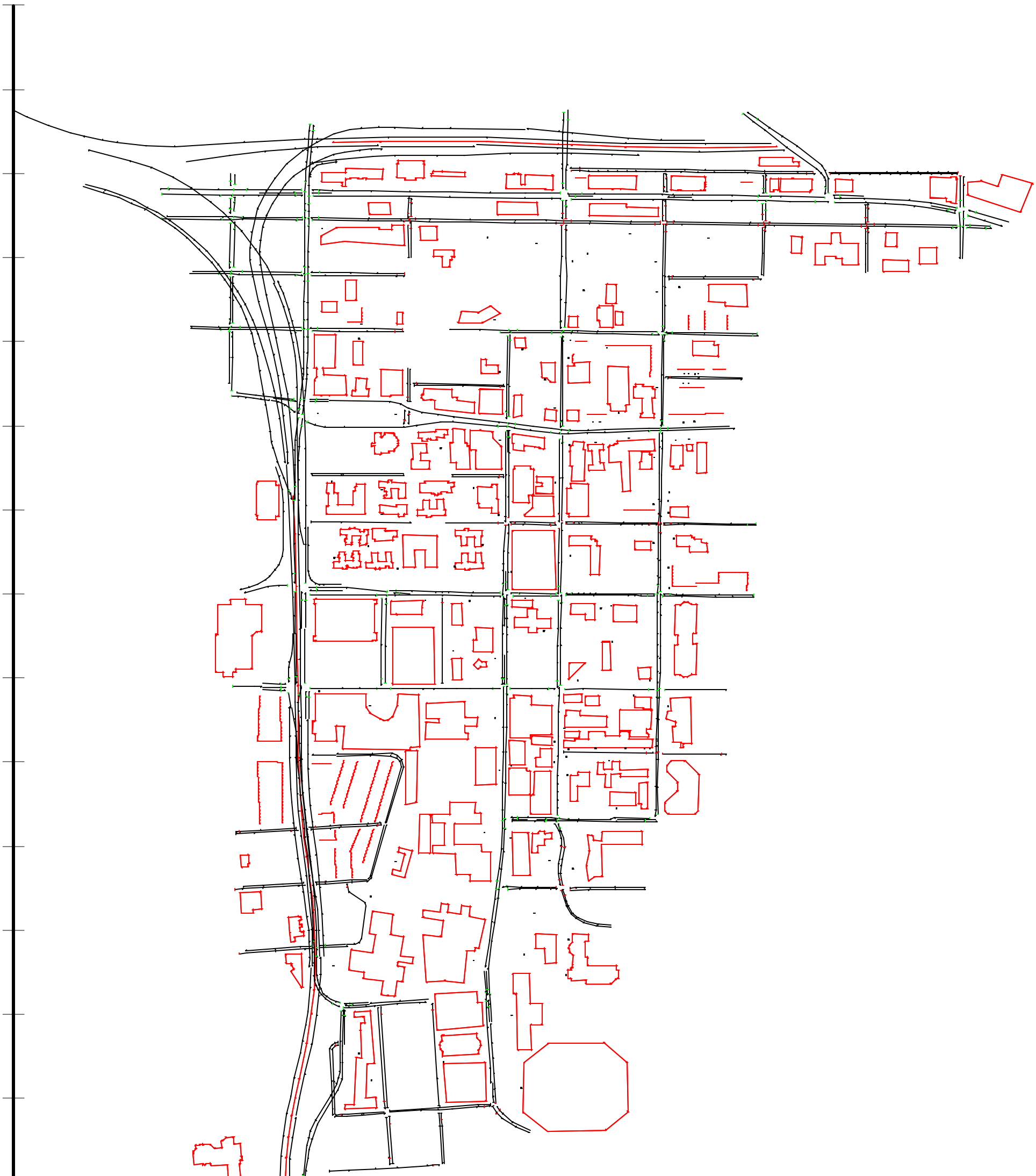

Urban East - Viaduct Alternative		Sheet 1 of 1	13 Oct 2016
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: Urban_East V4		TNM Version 2.5, Feb 2004	
Scale:	500 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

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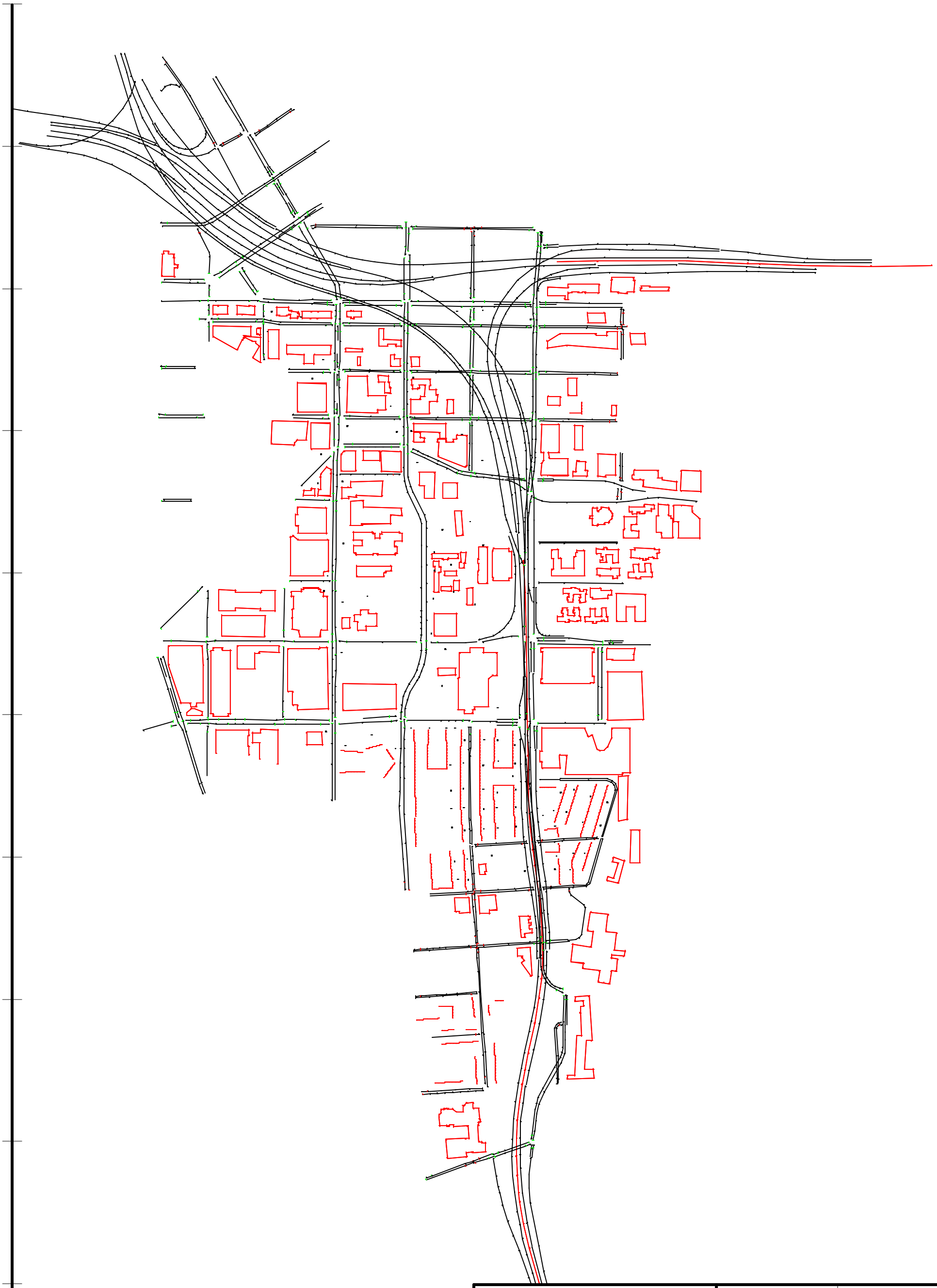

Urban Middle - Viaduct Alternative

Plan View

Run name: Urban_Middle V4

Scale:

Sheet 1 of 1 | 13 Oct 2016

Watts Architecture & Engineering

Project/Contract No. 13092 NYSDOT I-81 Viaduct

TNM Version 2.5, Feb 2004

Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

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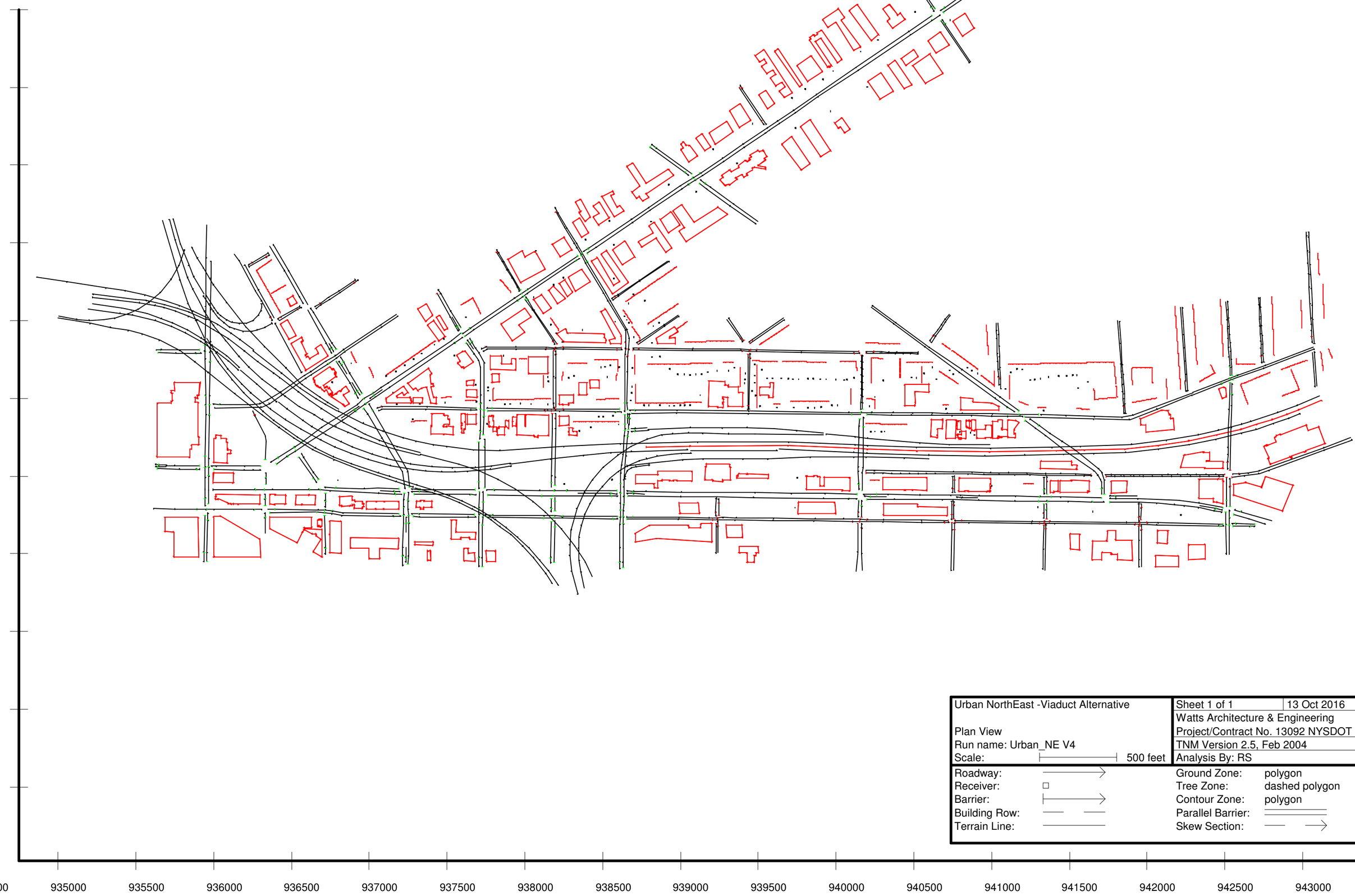

Urban NorthEast -Viaduct Alternative		Sheet 1 of 1	13 Oct 2016
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: Urban_NE V4		TNM Version 2.5, Feb 2004	
Scale:	500 feet	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Urban NorthWest - Viaduct Alternative		Sheet 1 of 1	13 Oct 2016
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: Urban_NW V4		TNM Version 2.5, Feb 2004	
Scale:	100	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

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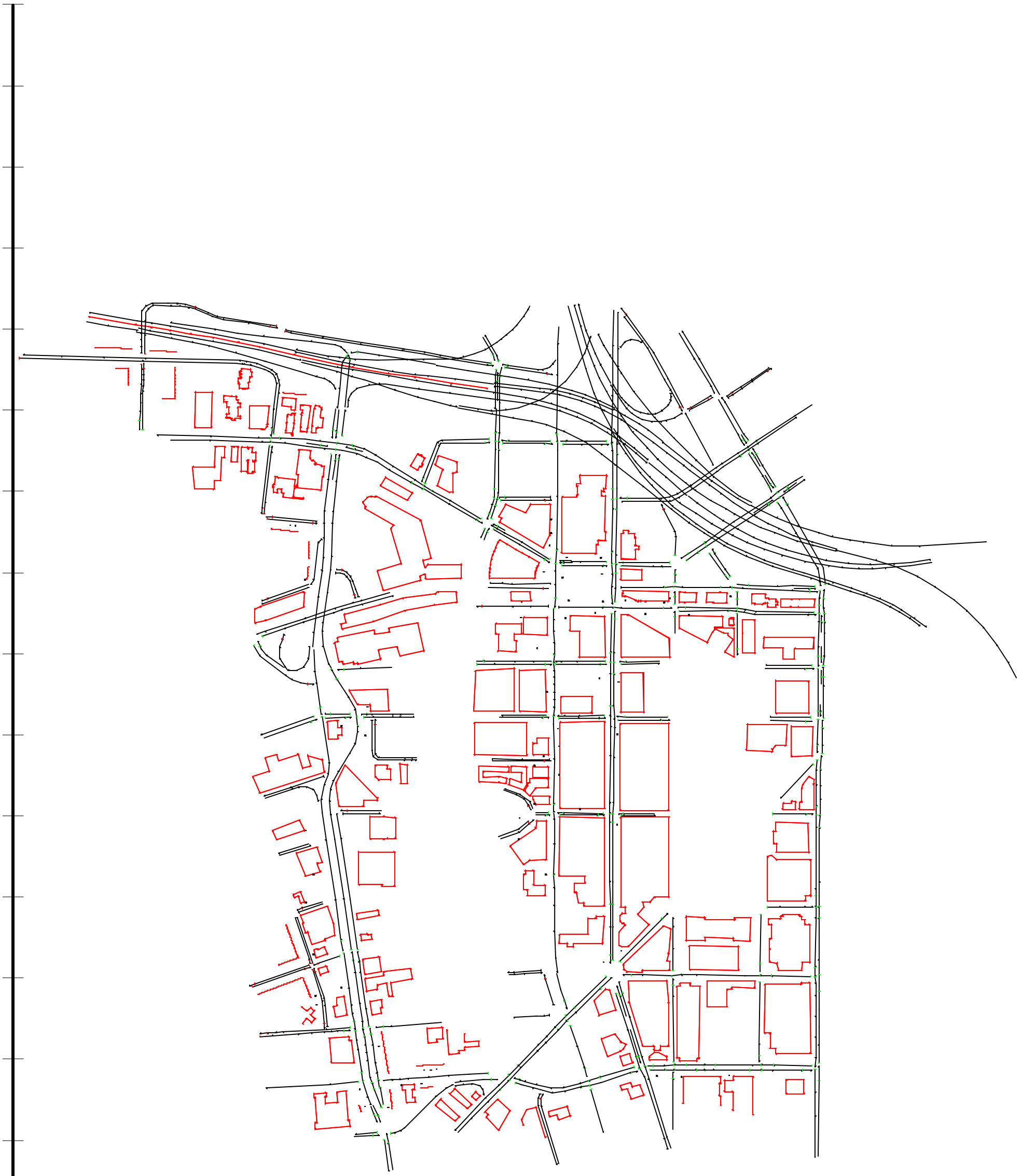


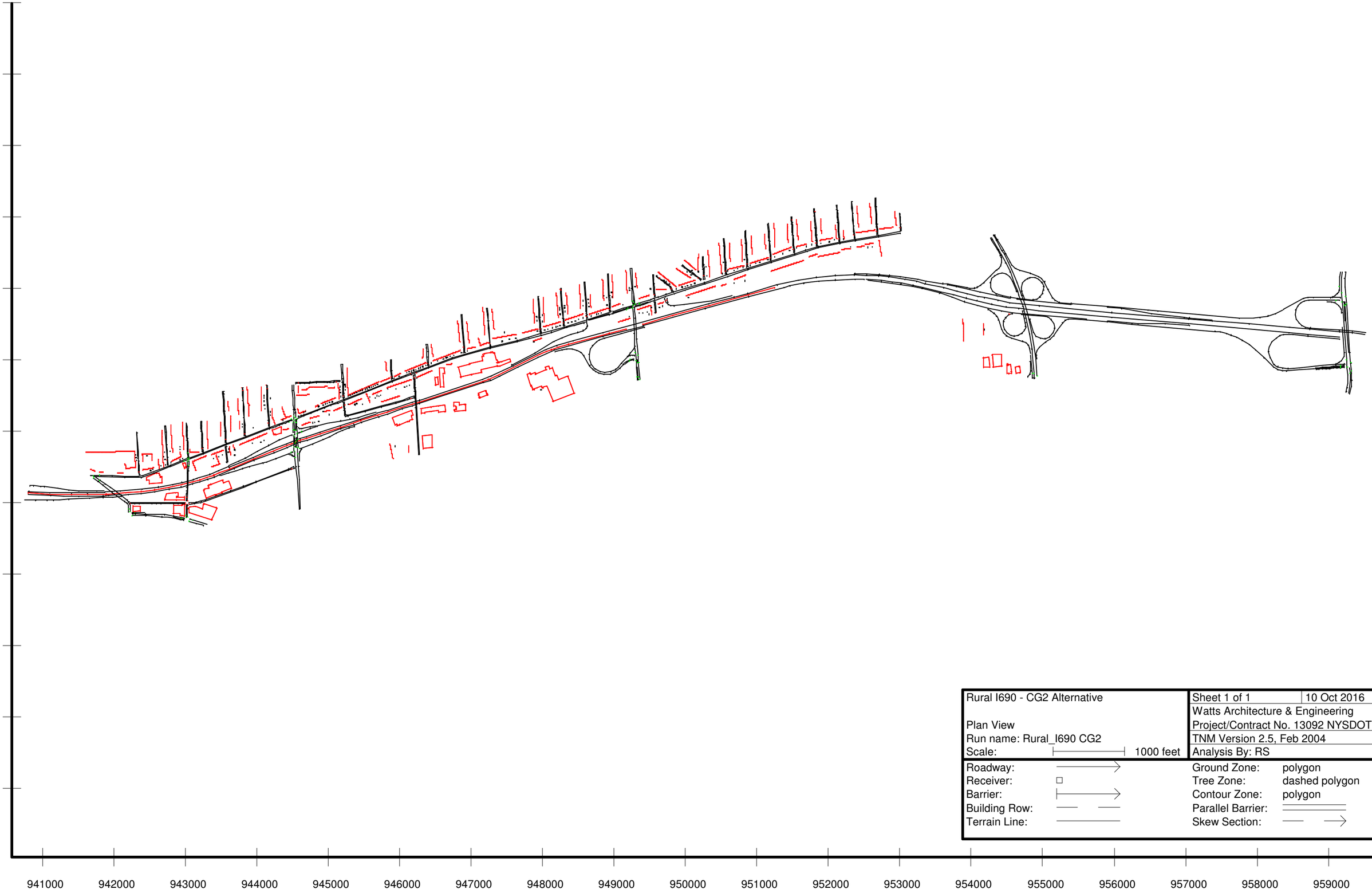
Urban West - Viaduct Alternative	Sheet 1 of 1 | 13 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Urban_West V4	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

932000 932500 933000 933500 934000 934500 935000 935500 936000 936500 937000 937500 938000

ATTACHMENT N

2050 Community Grid Alternative – Option 2 Conditions (CG2) TNM Model Plan Views



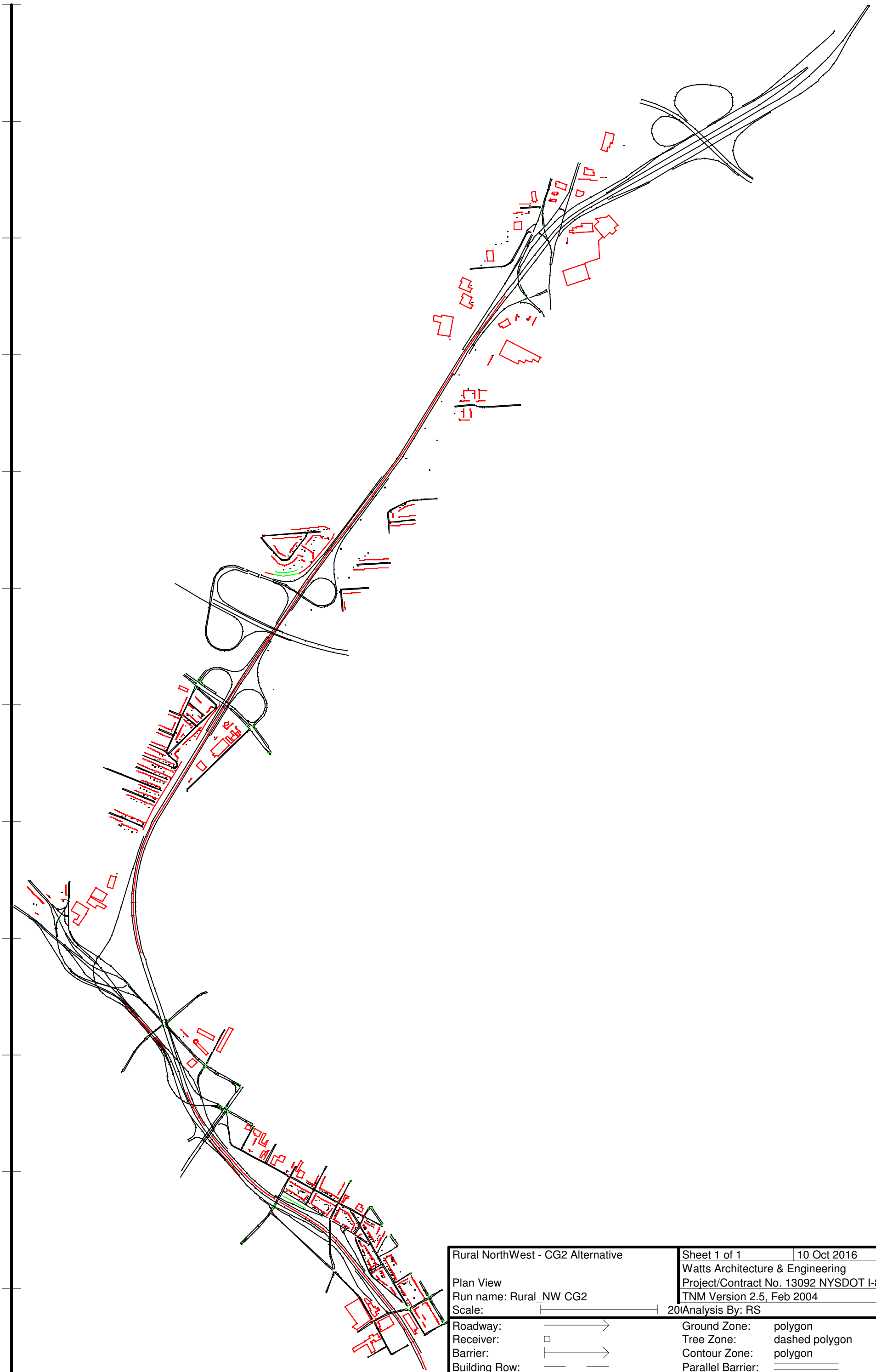
Rural I690 - CG2 Alternative	Sheet 1 of 1 | 10 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_I690 CG2	TNM Version 2.5, Feb 2004
Scale: 1000 feet	Analysis By: RS

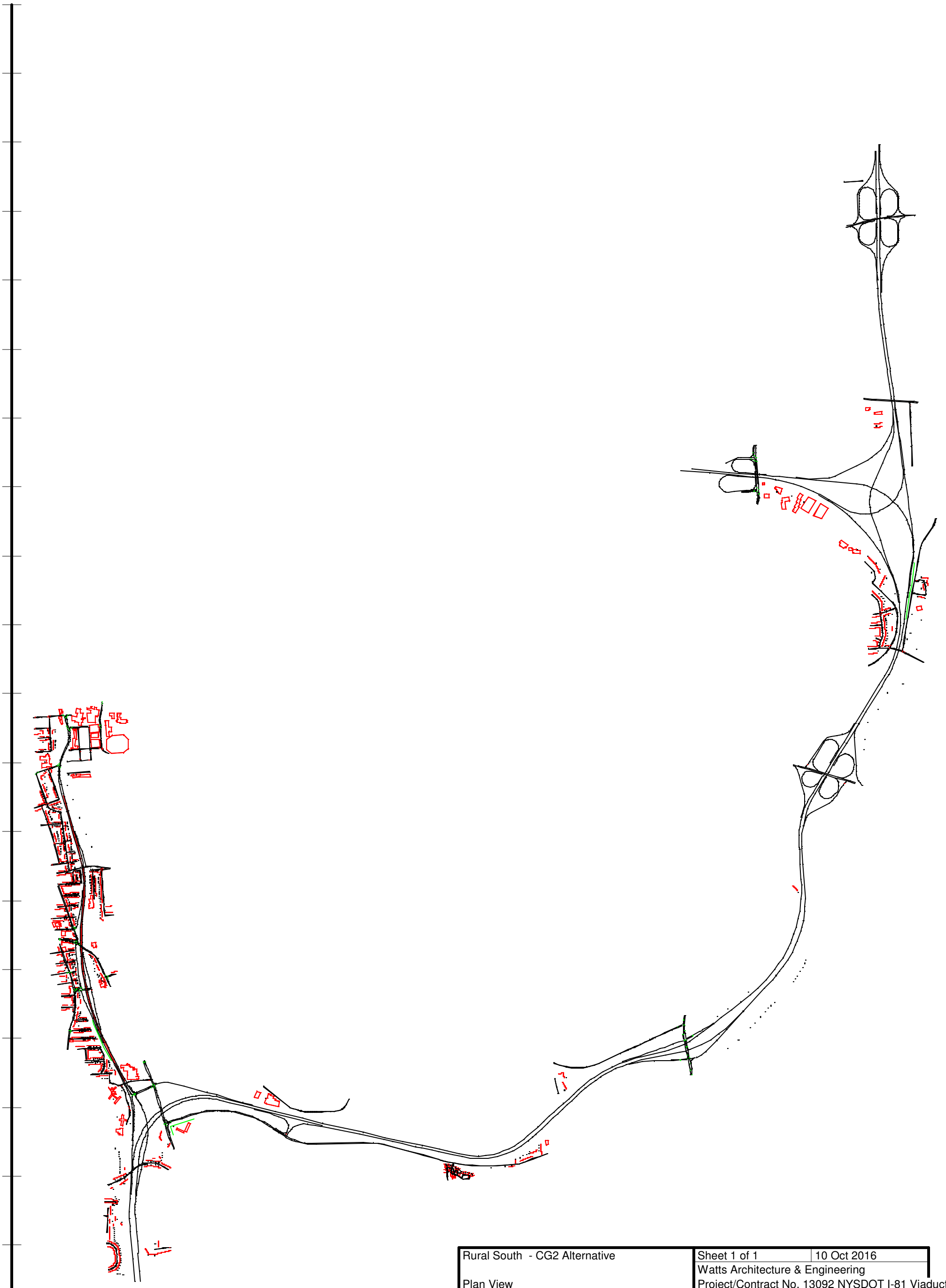
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	



Rural NorthEast - Alternative CG2	Sheet 1 of 1 | 10 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_NE CG2	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

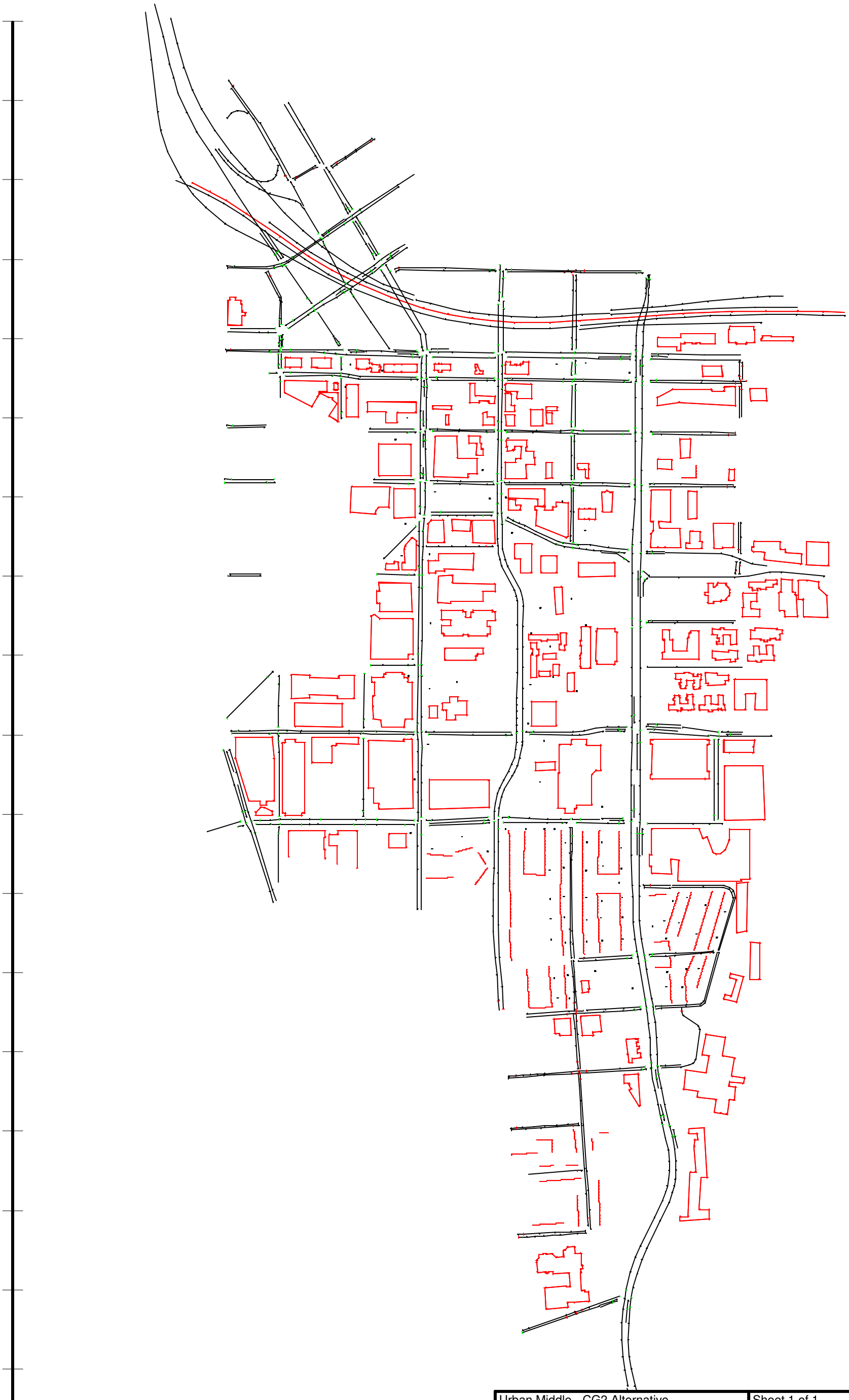

Rural NorthWest - CG2 Alternative
Plan View
Run name: Rural_NW CG2
Scale:
Sheet 1 of 1
10 Oct 2016
Watts Architecture & Engineering
Project/Contract No. 13092 NYSDOT I-81 Viaduct
TNM Version 2.5, Feb 2004
Analysis By: RS
Roadway:
Receiver:
Barrier:
Building Row:
Terrain Line:
Ground Zone: polygon
Tree Zone: dashed polygon
Contour Zone: polygon
Parallel Barrier:
Skew Section:
930000
932000
934000
936000
938000
940000
942000



Rural South - CG2 Alternative	Sheet 1 of 1 | 10 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Rural_South CG2	TNM Version 2.5, Feb 2004
Scale: 2000 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

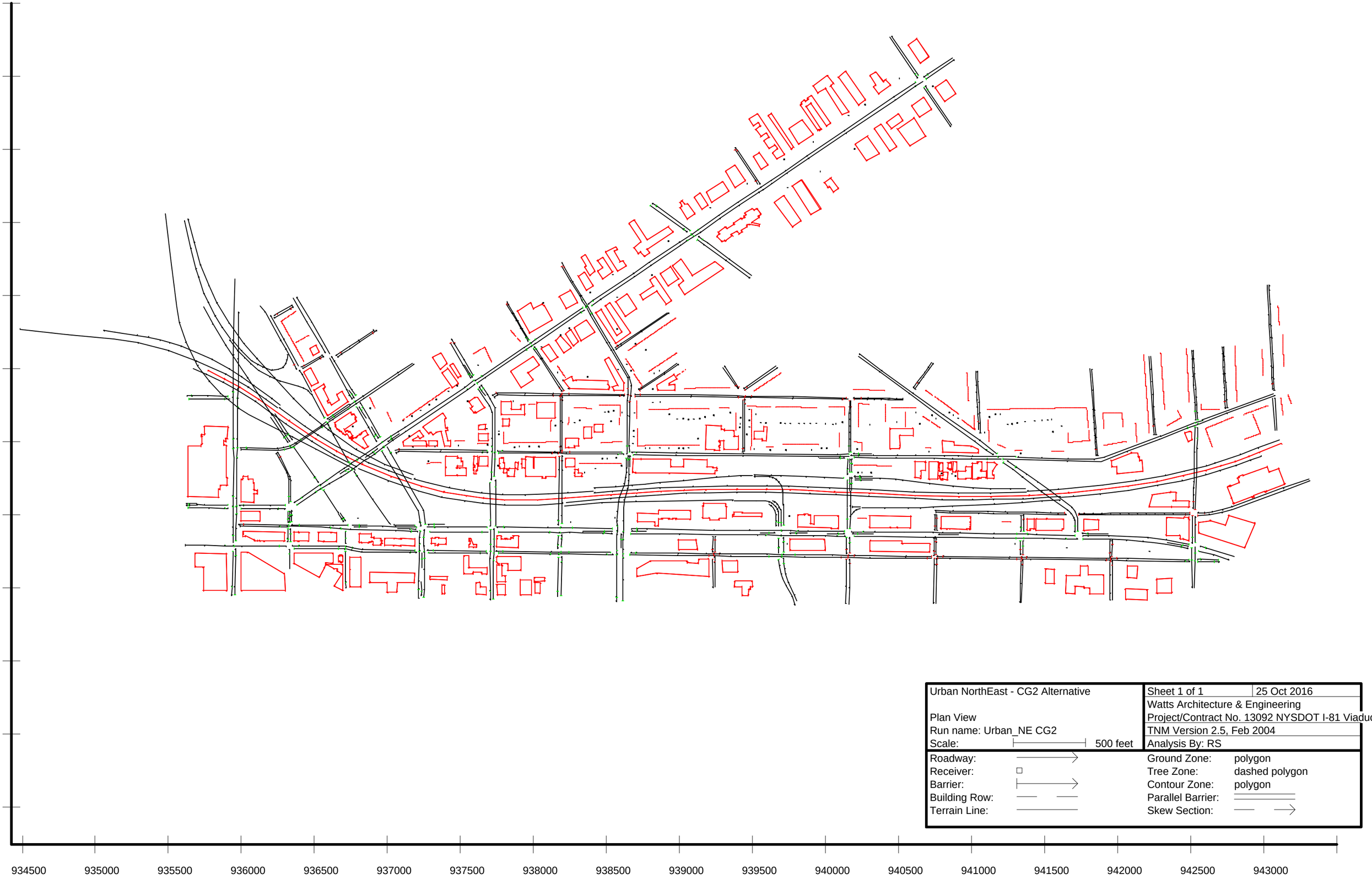

Urban East - CG2 Alternative
Plan View
Run name: Urban_East CG2
Scale: 500 feet
Sheet 1 of 1
10 Oct 2016
Watts Architecture & Engineering
Project/Contract No. 13092 NYSDOT I-81 Viaduct
TNM Version 2.5, Feb 2004
Analysis By: RS
Roadway:
Receiver:
Barrier:
Building Row:
Terrain Line:
Ground Zone: polygon
Tree Zone: dashed polygon
Contour Zone: polygon
Parallel Barrier:
Skew Section:
937500
938000
938500
939000
939500
940000
940500
941000
941500
942000



Urban Middle - CG2 Alternative	Sheet 1 of 1 | 10 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Urban_Middle CG2	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

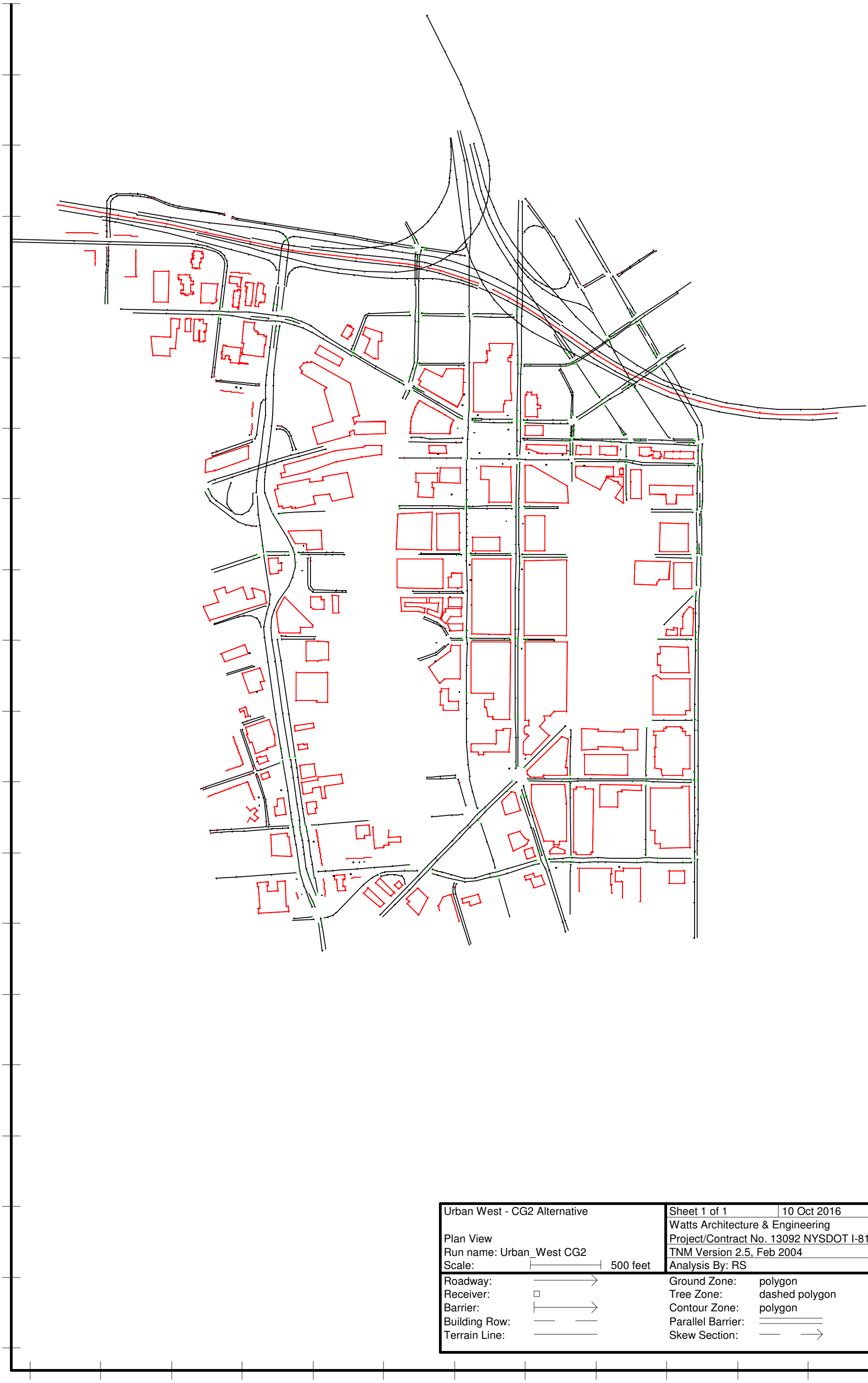
934500 935000 935500 936000 936500 937000 937500 938000 938500 939000 939500 940000 940500


Urban NorthEast - CG2 Alternative
Plan View
Run name: Urban_NE CG2
Scale: 500 feet
Sheet 1 of 1
25 Oct 2016
Watts Architecture & Engineering
Project/Contract No. 13092 NYSDOT I-81 Viaduct
TNM Version 2.5, Feb 2004
Analysis By: RS
Roadway:
Receiver:
Barrier:
Building Row:
Terrain Line:
Ground Zone: polygon
Tree Zone: dashed polygon
Contour Zone: polygon
Parallel Barrier:
Skew Section:
934500
935000
935500
936000
936500
937000
937500
938000
938500
939000
939500
940000
940500
941000
941500
942000
942500
943000



Urban NorthWest - CG2 Alternative		Sheet 1 of 1	10 Oct 2016
		Watts Architecture & Engineering	
Plan View		Project/Contract No. 13092 NYSDOT I-81 Viaduct	
Run name: Urban_NW CG2		TNM Version 2.5, Feb 2004	
Scale:	1C	Analysis By: RS	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

931000 932000 933000 934000 935000 936000 937000 938000



Urban West - CG2 Alternative	Sheet 1 of 1 | 10 Oct 2016
	Watts Architecture & Engineering
Plan View	Project/Contract No. 13092 NYSDOT I-81 Viaduct
Run name: Urban_West CG2	TNM Version 2.5, Feb 2004
Scale: 500 feet	Analysis By: RS

Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

2000 932500 933000 933500 934000 934500 935000 935500 936000 936500 937000 937500 938000

ATTACHMENT O

2050 Viaduct Alternative – Option 4 (V4) Conditions
FHWA Roadway Construction Noise Model (RCNM) Tables

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver A Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site A					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	76.2	81.1	76.2	78.1	---
Pumps	66.8	63.8	58.8	55.8	8
Pumps	66.8	63.8	58.8	55.8	8
Vibratory Concrete Mixer	65.9	58.9	57.9	50.9	8
Vibratory Concrete Mixer	65.9	58.9	57.9	50.9	8
Vibratory Concrete Mixer	65.9	58.9	57.9	50.9	8
Vibratory Concrete Mixer	65.9	58.9	57.9	50.9	8
Excavator	66.6	62.6	66.6	62.6	0
Excavator	66.6	62.6	66.6	62.6	0
Excavator	66.6	62.6	66.6	62.6	0
Excavator	66.6	62.6	66.6	62.6	0
Excavator	66.6	62.6	66.6	62.6	0
Backhoe	63.4	59.5	63.4	59.5	0
Backhoe	63.4	59.5	63.4	59.5	0
Compactor (ground)	69.1	62.1	69.1	62.1	0
Mounted Impact Hammer (hoe ram)	76.2	69.2	76.2	69.2	0
Mounted Impact Hammer (hoe ram)	76.2	69.2	76.2	69.2	0
Jackhammer	74.8	67.8	66.8	59.8	8
Jackhammer	74.8	67.8	66.8	59.8	8
Roller	65.9	58.9	65.9	58.9	0
Dozer	67.6	63.6	67.6	63.6	0
Front End Loader	65.0	61.0	65.0	61.0	0
Dump Truck	62.3	58.4	62.3	58.4	0
Dump Truck	62.3	58.4	62.3	58.4	0
Dump Truck	62.3	58.4	62.3	58.4	0
Dump Truck	62.3	58.4	62.3	58.4	0
Welder / Torch	59.9	55.9	51.9	47.9	8
Welder / Torch	59.9	55.9	51.9	47.9	8
Pickup Truck	60.9	56.9	60.9	56.9	0
Pickup Truck	60.9	56.9	60.9	56.9	0
Welder / Torch	59.9	55.9	51.9	47.9	8
Welder / Torch	59.9	55.9	51.9	47.9	8
Crane	66.4	58.5	66.4	58.5	0
Crane	66.4	58.5	66.4	58.5	0
Crane	66.4	58.5	66.4	58.5	0
Crane	66.4	58.5	66.4	58.5	0
Crane	66.4	58.5	66.4	58.5	0
Welder / Torch	59.9	55.9	51.9	47.9	8
Welder / Torch	59.9	55.9	51.9	47.9	8
Flat Bed Truck	60.1	56.2	60.1	56.2	0
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver A Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site A					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5

Notes:

Receiver A is 254 feet from the center of construction at Site A. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver A without shielding is above the noise limit of 80 dBA by 1.1 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 1.9 dBA.

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver B Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site B					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	78.1	83.6	75.1	79.2	---
Pumps	68.8	65.8	60.8	57.8	8
Pumps	68.8	65.8	60.8	57.8	8
Vibratory Concrete Mixer	67.8	60.8	59.8	52.8	8
Vibratory Concrete Mixer	67.8	60.8	59.8	52.8	8
Vibratory Concrete Mixer	67.8	60.8	59.8	52.8	8
Vibratory Concrete Mixer	67.8	60.8	59.8	52.8	8
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Backhoe	65.4	61.4	62.4	58.4	3
Backhoe	65.4	61.4	62.4	58.4	3
Backhoe	65.4	61.4	62.4	58.4	3
Backhoe	65.4	61.4	62.4	58.4	3
Flat Bed Truck	62.1	58.1	59.1	55.1	3
Compactor (ground)	71.1	64.1	68.1	61.1	3
Compactor (ground)	71.1	64.1	68.1	61.1	3
Mounted Impact Hammer (hoe ram)	78.1	71.1	75.1	68.1	3
Mounted Impact Hammer (hoe ram)	78.1	71.1	75.1	68.1	3
Jackhammer	76.7	69.7	68.7	61.7	8
Jackhammer	76.7	69.7	68.7	61.7	8
Roller	67.8	60.8	64.8	57.8	3
Roller	67.8	60.8	64.8	57.8	3
Dozer	69.5	65.5	66.5	62.5	3
Dozer	69.5	65.5	66.5	62.5	3
Front End Loader	66.9	63.0	63.9	60.0	3
Front End Loader	66.9	63.0	63.9	60.0	3
Dump Truck	64.3	60.3	61.3	57.3	3
Dump Truck	64.3	60.3	61.3	57.3	3
Dump Truck	64.3	60.3	61.3	57.3	3
Dump Truck	64.3	60.3	61.3	57.3	3
Dump Truck	64.3	60.3	61.3	57.3	3
Dump Truck	64.3	60.3	61.3	57.3	3
Dump Truck	64.3	60.3	61.3	57.3	3
Dump Truck	64.3	60.3	61.3	57.3	3
Welder / Torch	61.8	57.9	53.8	49.9	8
Welder / Torch	61.8	57.9	53.8	49.9	8

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver B Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site B					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pickup Truck	62.8	58.9	59.8	55.9	3
Pickup Truck	62.8	58.9	59.8	55.9	3
Pickup Truck	62.8	58.9	59.8	55.9	3
Pickup Truck	62.8	58.9	59.8	55.9	3
Welder / Torch	61.8	57.9	53.8	49.9	8
Welder / Torch	61.8	57.9	53.8	49.9	8
Crane	68.4	60.4	65.4	57.4	3
Crane	68.4	60.4	65.4	57.4	3
Crane	68.4	60.4	65.4	57.4	3
Crane	68.4	60.4	65.4	57.4	3
Crane	68.4	60.4	65.4	57.4	3
Welder / Torch	61.8	57.9	53.8	49.9	8
Welder / Torch	61.8	57.9	53.8	49.9	8
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5

Notes:

Receiver B is 203 feet from the center of construction at Site B. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver B without shielding is above the noise limit of 80 dBA by 3.6 dBA. However, with shielding the total Leq is below the nosie limit of 80 dBA by 0.8 dBA.

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver C Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site C					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	77.1	82.0	77.1	79.3	---
Pumps	67.8	64.8	62.8	59.8	5
Pumps	67.8	64.8	62.8	59.8	5
Vibratory Concrete Mixer	66.8	59.8	61.8	54.8	5
Vibratory Concrete Mixer	66.8	59.8	61.8	54.8	5
Vibratory Concrete Mixer	66.8	59.8	61.8	54.8	5
Vibratory Concrete Mixer	66.8	59.8	61.8	54.8	5
Excavator	67.5	63.6	67.5	63.6	0
Excavator	67.5	63.6	67.5	63.6	0
Excavator	67.5	63.6	67.5	63.6	0
Excavator	67.5	63.6	67.5	63.6	0
Excavator	67.5	63.6	67.5	63.6	0
Backhoe	64.4	60.4	64.4	60.4	0
Backhoe	64.4	60.4	64.4	60.4	0
Compactor (ground)	70.1	63.1	70.1	63.1	0
Mounted Impact Hammer (hoe ram)	77.1	70.1	77.1	70.1	0
Mounted Impact Hammer (hoe ram)	77.1	70.1	77.1	70.1	0
Jackhammer	75.7	68.7	70.7	63.7	5
Jackhammer	75.7	68.7	70.7	63.7	5
Roller	66.8	59.8	66.8	59.8	0
Dozer	68.5	64.5	68.5	64.5	0
Front End Loader	65.9	62.0	65.9	62.0	0
Dump Truck	63.3	59.3	63.3	59.3	0
Dump Truck	63.3	59.3	63.3	59.3	0
Dump Truck	63.3	59.3	63.3	59.3	0
Dump Truck	63.3	59.3	63.3	59.3	0
Welder / Torch	60.8	56.8	55.8	51.8	5
Welder / Torch	60.8	56.8	55.8	51.8	5
Pickup Truck	61.8	57.8	61.8	57.8	0
Pickup Truck	61.8	57.8	61.8	57.8	0
Welder / Torch	60.8	56.8	55.8	51.8	5
Welder / Torch	60.8	56.8	55.8	51.8	5
Crane	67.4	59.4	67.4	59.4	0
Crane	67.4	59.4	67.4	59.4	0
Crane	67.4	59.4	67.4	59.4	0
Crane	67.4	59.4	67.4	59.4	0
Crane	67.4	59.4	67.4	59.4	0
Welder / Torch	60.8	56.8	55.8	51.8	5
Welder / Torch	60.8	56.8	55.8	51.8	5
Flat Bed Truck	61.1	57.1	61.1	57.1	0
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver C Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site C					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5

Notes:

Receiver C is 228 feet from the center of construction at Site C. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver C without shielding is above the noise limit of 80 dBA by 2.0 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 0.7 dBA.

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver D Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site D					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	78.3	83.2	78.3	80.5	---
Pumps	69.0	66.0	64.0	61.0	5
Pumps	69.0	66.0	64.0	61.0	5
Vibratory Concrete Mixer	68.0	61.1	63.0	56.1	5
Vibratory Concrete Mixer	68.0	61.1	63.0	56.1	5
Vibratory Concrete Mixer	68.0	61.1	63.0	56.1	5
Vibratory Concrete Mixer	68.0	61.1	63.0	56.1	5
Excavator	68.8	64.8	68.8	64.8	0
Excavator	68.8	64.8	68.8	64.8	0
Excavator	68.8	64.8	68.8	64.8	0
Excavator	68.8	64.8	68.8	64.8	0
Excavator	68.8	64.8	68.8	64.8	0
Backhoe	65.6	61.6	65.6	61.6	0
Backhoe	65.6	61.6	65.6	61.6	0
Compactor (ground)	71.3	64.3	71.3	64.3	0
Mounted Impact Hammer (hoe ram)	78.3	71.3	78.3	71.3	0
Mounted Impact Hammer (hoe ram)	78.3	71.3	78.3	71.3	0
Jackhammer	76.9	69.9	71.9	64.9	5
Jackhammer	76.9	69.9	71.9	64.9	5
Roller	68.0	61.1	68.0	61.1	0
Dozer	69.7	65.7	69.7	65.7	0
Front End Loader	67.2	63.2	67.2	63.2	0
Dump Truck	64.5	60.5	64.5	60.5	0
Dump Truck	64.5	60.5	64.5	60.5	0
Dump Truck	64.5	60.5	64.5	60.5	0
Dump Truck	64.5	60.5	64.5	60.5	0
Welder / Torch	62.0	58.1	57.0	53.1	5
Welder / Torch	62.0	58.1	57.0	53.1	5
Pickup Truck	63.0	59.1	63.0	59.1	0
Pickup Truck	63.0	59.1	63.0	59.1	0
Welder / Torch	62.0	58.1	57.0	53.1	5
Welder / Torch	62.0	58.1	57.0	53.1	5
Crane	68.6	60.6	68.6	60.6	0
Crane	68.6	60.6	68.6	60.6	0
Crane	68.6	60.6	68.6	60.6	0
Crane	68.6	60.6	68.6	60.6	0
Crane	68.6	60.6	68.6	60.6	0
Welder / Torch	62.0	58.1	57.0	53.1	5
Welder / Torch	62.0	58.1	57.0	53.1	5
Flat Bed Truck	62.3	58.3	62.3	58.3	0
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver D Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site D					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5

Notes:

Receiver D is 198 feet from the center of construction at Site D. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver D without shielding is above the noise limit of 80 dBA by 3.2 dBA. With shielding the total Leq is still above the noise limit of 80 dBA by 0.5 dBA.

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver E Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site E					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	83.9	88.4	83.9	85.9	---
Pumps	74.6	71.6	69.6	66.6	5
Vibratory Concrete Mixer	73.6	66.6	68.6	61.6	5
Vibratory Concrete Mixer	73.6	66.6	68.6	61.6	5
Excavator	74.3	70.4	74.3	70.4	0
Excavator	74.3	70.4	74.3	70.4	0
Excavator	74.3	70.4	74.3	70.4	0
Excavator	74.3	70.4	74.3	70.4	0
Excavator	74.3	70.4	74.3	70.4	0
Backhoe	71.2	67.2	71.2	67.2	0
Backhoe	71.2	67.2	71.2	67.2	0
Compactor (ground)	76.9	69.9	76.9	69.9	0
Mounted Impact Hammer (hoe ram)	83.9	76.9	83.9	76.9	0
Mounted Impact Hammer (hoe ram)	83.9	76.9	83.9	76.9	0
Jackhammer	82.5	75.5	77.5	70.5	5
Roller	73.6	66.6	73.6	66.6	0
Dozer	75.3	71.3	75.3	71.3	0
Front End Loader	72.7	68.8	72.7	68.8	0
Welder / Torch	67.6	63.7	62.6	58.7	5
Welder / Torch	67.6	63.7	62.6	58.7	5
Dump Truck	70.1	66.1	70.1	66.1	0
Dump Truck	70.1	66.1	70.1	66.1	0
Dump Truck	70.1	66.1	70.1	66.1	0
Dump Truck	70.1	66.1	70.1	66.1	0
Pickup Truck	68.6	64.7	68.6	64.7	0
Pickup Truck	68.6	64.7	68.6	64.7	0
Welder / Torch	67.6	63.7	62.6	58.7	5
Welder / Torch	67.6	63.7	62.6	58.7	5
Crane	74.2	66.2	74.2	66.2	0
Crane	74.2	66.2	74.2	66.2	0
Crane	74.2	66.2	74.2	66.2	0
Crane	74.2	66.2	74.2	66.2	0
Crane	74.2	66.2	74.2	66.2	0
Welder / Torch	67.6	63.7	62.6	58.7	5
Welder / Torch	67.6	63.7	62.6	58.7	5
Flat Bed Truck	67.9	63.9	67.9	63.9	0
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5

Table: Construction Equipment Noise Summary - Viaduct Alternative Receiver E Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Viaduct Alternative - Noise Receiver Site E					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5

Notes:

Receiver E is 104 feet from the center of construction at Site E. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver E without shielding is above the noise limit of 80 dBA by 8.4 dBA. With shielding the total Leq is still above the noise limit of 80 dBA by 5.9 dBA.

ATTACHMENT P

2050 Community Grid Alternative – Option 2 (CG2) Conditions
FHWA Roadway Construction Noise Model (RCNM) Tables

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver A Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site A					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	76.2	81.1	76.2	78.3	---
Pumps	66.8	63.8	58.8	55.8	8
Pumps	66.8	63.8	58.8	55.8	8
Vibratory Concrete Mixer	65.9	58.9	57.9	50.9	8
Vibratory Concrete Mixer	65.9	58.9	57.9	50.9	8
Vibratory Concrete Mixer	65.9	58.9	57.9	50.9	8
Vibratory Concrete Mixer	65.9	58.9	57.9	50.9	8
Excavator	66.6	62.6	66.6	62.6	0
Excavator	66.6	62.6	66.6	62.6	0
Excavator	66.6	62.6	66.6	62.6	0
Excavator	66.6	62.6	66.6	62.6	0
Excavator	66.6	62.6	66.6	62.6	0
Backhoe	63.4	59.5	63.4	59.5	0
Backhoe	63.4	59.5	63.4	59.5	0
Compactor (ground)	69.1	62.1	69.1	62.1	0
Mounted Impact Hammer (hoe ram)	76.2	69.2	76.2	69.2	0
Mounted Impact Hammer (hoe ram)	76.2	69.2	76.2	69.2	0
Jackhammer	74.8	67.8	66.8	59.8	8
Jackhammer	74.8	67.8	66.8	59.8	8
Roller	65.9	58.9	65.9	58.9	0
Dozer	67.6	63.6	67.6	63.6	0
Front End Loader	65.0	61.0	65.0	61.0	0
Front End Loader	65.0	61.0	65.0	61.0	0
Front End Loader	65.0	61.0	65.0	61.0	0
Front End Loader	65.0	61.0	65.0	61.0	0
Dump Truck	62.3	58.4	62.3	58.4	0
Dump Truck	62.3	58.4	62.3	58.4	0
Welder / Torch	59.9	55.9	51.9	47.9	8
Welder / Torch	59.9	55.9	51.9	47.9	8
Pickup Truck	60.9	56.9	60.9	56.9	0
Pickup Truck	60.9	56.9	60.9	56.9	0
Welder / Torch	59.9	55.9	51.9	47.9	8
Crane	66.4	58.5	66.4	58.5	0
Crane	66.4	58.5	66.4	58.5	0
Crane	66.4	58.5	66.4	58.5	0
Crane	66.4	58.5	66.4	58.5	0
Crane	66.4	58.5	66.4	58.5	0
Welder / Torch	59.9	55.9	51.9	47.9	8
Welder / Torch	59.9	55.9	51.9	47.9	8
Flat Bed Truck	60.1	56.2	60.1	56.2	0
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver A Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site A					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5
Pneumatic Tools	71.1	68.1	66.1	63.1	5

Notes:

Receiver A is 254 feet from the center of construction at Site A. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver A without shielding is above the noise limit of 80 dBA by 1.1 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 1.7 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver B Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site B					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	78.1	83.7	75.1	79.4	---
Pumps	68.8	65.8	60.8	57.8	8
Pumps	68.8	65.8	60.8	57.8	8
Vibratory Concrete Mixer	67.8	60.8	59.8	52.8	8
Vibratory Concrete Mixer	67.8	60.8	59.8	52.8	8
Vibratory Concrete Mixer	67.8	60.8	59.8	52.8	8
Vibratory Concrete Mixer	67.8	60.8	59.8	52.8	8
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Excavator	68.5	64.6	65.5	61.6	3
Backhoe	65.4	61.4	62.4	58.4	3
Backhoe	65.4	61.4	62.4	58.4	3
Backhoe	65.4	61.4	62.4	58.4	3
Backhoe	65.4	61.4	62.4	58.4	3
Flat Bed Truck	62.1	58.1	59.1	55.1	3
Compactor (ground)	71.1	64.1	68.1	61.1	3
Compactor (ground)	71.1	64.1	68.1	61.1	3
Mounted Impact Hammer (hoe ram)	78.1	71.1	75.1	68.1	3
Mounted Impact Hammer (hoe ram)	78.1	71.1	75.1	68.1	3
Jackhammer	76.7	69.7	68.7	61.7	8
Jackhammer	76.7	69.7	68.7	61.7	8
Roller	67.8	60.8	64.8	57.8	3
Roller	67.8	60.8	64.8	57.8	3
Dozer	69.5	65.5	66.5	62.5	3
Dozer	69.5	65.5	66.5	62.5	3
Front End Loader	66.9	63.0	63.9	60.0	3
Front End Loader	66.9	63.0	63.9	60.0	3
Front End Loader	66.9	63.0	63.9	60.0	3
Front End Loader	66.9	63.0	63.9	60.0	3
Front End Loader	66.9	63.0	63.9	60.0	3
Front End Loader	66.9	63.0	63.9	60.0	3
Front End Loader	66.9	63.0	63.9	60.0	3
Front End Loader	66.9	63.0	63.9	60.0	3
Dump Truck	64.3	60.3	61.3	57.3	3
Dump Truck	64.3	60.3	61.3	57.3	3
Welder / Torch	61.8	57.9	53.8	49.9	8
Welder / Torch	61.8	57.9	53.8	49.9	8

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver B Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site B					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Welder / Torch	61.8	57.9	53.8	49.9	8
Welder / Torch	61.8	57.9	53.8	49.9	8
Pickup Truck	62.8	58.9	59.8	55.9	3
Pickup Truck	62.8	58.9	59.8	55.9	3
Welder / Torch	61.8	57.9	53.8	49.9	8
Crane	68.4	60.4	65.4	57.4	3
Crane	68.4	60.4	65.4	57.4	3
Crane	68.4	60.4	65.4	57.4	3
Crane	68.4	60.4	65.4	57.4	3
Crane	68.4	60.4	65.4	57.4	3
Welder / Torch	61.8	57.9	53.8	49.9	8
Welder / Torch	61.8	57.9	53.8	49.9	8
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5
Pneumatic Tools	73.0	70.0	68.0	65.0	5

Notes:

Receiver B is 203 feet from the center of construction at Site B. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver B without shielding is above the noise limit of 80 dBA by 3.7 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 0.6 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver C Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site C					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	77.1	82.1	77.1	79.2	---
Pumps	67.8	64.8	59.8	56.8	8
Pumps	67.8	64.8	59.8	56.8	8
Vibratory Concrete Mixer	66.8	59.8	58.8	51.8	8
Vibratory Concrete Mixer	66.8	59.8	58.8	51.8	8
Vibratory Concrete Mixer	66.8	59.8	58.8	51.8	8
Vibratory Concrete Mixer	66.8	59.8	58.8	51.8	8
Excavator	67.5	63.6	67.5	63.6	0
Excavator	67.5	63.6	67.5	63.6	0
Excavator	67.5	63.6	67.5	63.6	0
Excavator	67.5	63.6	67.5	63.6	0
Excavator	67.5	63.6	67.5	63.6	0
Backhoe	64.4	60.4	64.4	60.4	0
Backhoe	64.4	60.4	64.4	60.4	0
Compactor (ground)	70.1	63.1	70.1	63.1	0
Mounted Impact Hammer (hoe ram)	77.1	70.1	77.1	70.1	0
Mounted Impact Hammer (hoe ram)	77.1	70.1	77.1	70.1	0
Jackhammer	75.7	68.7	67.7	60.7	8
Jackhammer	75.7	68.7	67.7	60.7	8
Roller	66.8	59.8	66.8	59.8	0
Dozer	68.5	64.5	68.5	64.5	0
Front End Loader	65.9	62.0	65.9	62.0	0
Front End Loader	65.9	62.0	65.9	62.0	0
Front End Loader	65.9	62.0	65.9	62.0	0
Front End Loader	65.9	62.0	65.9	62.0	0
Dump Truck	63.3	59.3	63.3	59.3	0
Dump Truck	63.3	59.3	63.3	59.3	0
Welder / Torch	60.8	56.8	52.8	48.8	8
Welder / Torch	60.8	56.8	52.8	48.8	8
Pickup Truck	61.8	57.8	61.8	57.8	0
Pickup Truck	61.8	57.8	61.8	57.8	0
Welder / Torch	60.8	56.8	52.8	48.8	8
Crane	67.4	59.4	67.4	59.4	0
Crane	67.4	59.4	67.4	59.4	0
Crane	67.4	59.4	67.4	59.4	0
Crane	67.4	59.4	67.4	59.4	0
Crane	67.4	59.4	67.4	59.4	0
Welder / Torch	60.8	56.8	52.8	48.8	8
Welder / Torch	60.8	56.8	52.8	48.8	8
Flat Bed Truck	61.1	57.1	61.1	57.1	0
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver C Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site C					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5
Pneumatic Tools	72.0	69.0	67.0	64.0	5

Notes:

Receiver C is 228 feet from the center of construction at Site C. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver C without shielding is above the noise limit of 80 dBA by 2.1 dBA. However, with shielding the total Leq is below the noise limit of 80 dBA by 0.8 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver D Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site D					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	78.3	83.3	78.3	80.4	---
Pumps	69.0	66.0	61.0	58.0	8
Pumps	69.0	66.0	61.0	58.0	8
Vibratory Concrete Mixer	68.0	61.1	60.0	53.1	8
Vibratory Concrete Mixer	68.0	61.1	60.0	53.1	8
Vibratory Concrete Mixer	68.0	61.1	60.0	53.1	8
Vibratory Concrete Mixer	68.0	61.1	60.0	53.1	8
Excavator	68.8	64.8	68.8	64.8	0
Excavator	68.8	64.8	68.8	64.8	0
Excavator	68.8	64.8	68.8	64.8	0
Excavator	68.8	64.8	68.8	64.8	0
Excavator	68.8	64.8	68.8	64.8	0
Backhoe	65.6	61.6	65.6	61.6	0
Backhoe	65.6	61.6	65.6	61.6	0
Compactor (ground)	71.3	64.3	71.3	64.3	0
Mounted Impact Hammer (hoe ram)	78.3	71.3	78.3	71.3	0
Mounted Impact Hammer (hoe ram)	78.3	71.3	78.3	71.3	0
Jackhammer	76.9	69.9	68.9	61.9	8
Jackhammer	76.9	69.9	68.9	61.9	8
Roller	68.0	61.1	68.0	61.1	0
Dozer	69.7	65.7	69.7	65.7	0
Front End Loader	67.2	63.2	67.2	63.2	0
Front End Loader	67.2	63.2	67.2	63.2	0
Front End Loader	67.2	63.2	67.2	63.2	0
Front End Loader	67.2	63.2	67.2	63.2	0
Dump Truck	64.5	60.5	64.5	60.5	0
Dump Truck	64.5	60.5	64.5	60.5	0
Welder / Torch	62.0	58.1	54.0	50.1	8
Welder / Torch	62.0	58.1	54.0	50.1	8
Pickup Truck	63.0	59.1	63.0	59.1	0
Pickup Truck	63.0	59.1	63.0	59.1	0
Welder / Torch	62.0	58.1	54.0	50.1	8
Crane	68.6	60.6	68.6	60.6	0
Crane	68.6	60.6	68.6	60.6	0
Crane	68.6	60.6	68.6	60.6	0
Crane	68.6	60.6	68.6	60.6	0
Crane	68.6	60.6	68.6	60.6	0
Welder / Torch	62.0	58.1	54.0	50.1	8
Welder / Torch	62.0	58.1	54.0	50.1	8
Flat Bed Truck	62.3	58.3	62.3	58.3	0
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver D Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site D					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5
Pneumatic Tools	73.2	70.2	68.2	65.2	5

Notes:

Receiver D is 198 feet from the center of construction at Site D. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver D without shielding is above the noise limit of 80 dBA by 3.3 dBA. With shielding the total Leq is still above the noise limit of 80 dBA by 0.4 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver E Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site E					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	83.9	88.5	83.9	85.9	---
Pumps	74.6	71.6	66.6	63.6	8
Vibratory Concrete Mixer	73.6	66.6	65.6	58.6	8
Vibratory Concrete Mixer	73.6	66.6	65.6	58.6	8
Excavator	74.3	70.4	74.3	70.4	0
Excavator	74.3	70.4	74.3	70.4	0
Excavator	74.3	70.4	74.3	70.4	0
Excavator	74.3	70.4	74.3	70.4	0
Excavator	74.3	70.4	74.3	70.4	0
Backhoe	71.2	67.2	71.2	67.2	0
Backhoe	71.2	67.2	71.2	67.2	0
Compactor (ground)	76.9	69.9	76.9	69.9	0
Mounted Impact Hammer (hoe ram)	83.9	76.9	83.9	76.9	0
Mounted Impact Hammer (hoe ram)	83.9	76.9	83.9	76.9	0
Jackhammer	82.5	75.5	74.5	67.5	8
Roller	73.6	66.6	73.6	66.6	0
Dozer	75.3	71.3	75.3	71.3	0
Front End Loader	72.7	68.8	72.7	68.8	0
Front End Loader	72.7	68.8	72.7	68.8	0
Front End Loader	72.7	68.8	72.7	68.8	0
Front End Loader	72.7	68.8	72.7	68.8	0
Dump Truck	70.1	66.1	70.1	66.1	0
Dump Truck	70.1	66.1	70.1	66.1	0
Welder / Torch	67.6	63.7	59.6	55.7	8
Welder / Torch	67.6	63.7	59.6	55.7	8
Pickup Truck	68.6	64.7	68.6	64.7	0
Pickup Truck	68.6	64.7	68.6	64.7	0
Welder / Torch	67.6	63.7	59.6	55.7	8
Crane	74.2	66.2	74.2	66.2	0
Crane	74.2	66.2	74.2	66.2	0
Crane	74.2	66.2	74.2	66.2	0
Crane	74.2	66.2	74.2	66.2	0
Crane	74.2	66.2	74.2	66.2	0
Welder / Torch	67.6	63.7	59.6	55.7	8
Welder / Torch	67.6	63.7	59.6	55.7	8
Flat Bed Truck	67.9	63.9	67.9	63.9	0
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver E Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site E					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5
Pneumatic Tools	78.8	75.8	73.8	70.8	5

Notes:

Receiver E is 104 feet from the center of construction at Site E. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver E without shielding is above the noise limit of 80 dBA by 8.5 dBA. With shielding the total Leq is still above the noise limit of 80 dBA by 5.9 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver F Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site F					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	72.0	76.5	72.0	73.7	---
Pumps	62.6	59.6	54.6	51.6	8
Vibratory Concrete Mixer	61.7	54.7	53.7	46.7	8
Vibratory Concrete Mixer	61.7	54.7	53.7	46.7	8
Excavator	62.4	58.4	62.4	58.4	0
Excavator	62.4	58.4	62.4	58.4	0
Excavator	62.4	58.4	62.4	58.4	0
Excavator	62.4	58.4	62.4	58.4	0
Excavator	62.4	58.4	62.4	58.4	0
Backhoe	59.3	55.3	59.3	55.3	0
Backhoe	59.3	55.3	59.3	55.3	0
Compactor (ground)	64.9	57.9	64.9	57.9	0
Mounted Impact Hammer (hoe ram)	72.0	65.0	72.0	65.0	0
Mounted Impact Hammer (hoe ram)	72.0	65.0	72.0	65.0	0
Jackhammer	70.6	63.6	62.6	55.6	8
Roller	61.7	54.7	61.7	54.7	0
Dozer	63.4	59.4	63.4	59.4	0
Front End Loader	60.8	56.8	60.8	56.8	0
Dump Truck	58.2	54.2	58.2	54.2	0
Dump Truck	58.2	54.2	58.2	54.2	0
Flat Bed Truck	56.0	52.0	56.0	52.0	0
Welder / Torch	55.7	51.7	47.7	43.7	8
Welder / Torch	55.7	51.7	47.7	43.7	8
Pickup Truck	56.7	52.7	56.7	52.7	0
Pickup Truck	56.7	52.7	56.7	52.7	0
Welder / Torch	55.7	51.7	47.7	43.7	8
Welder / Torch	55.7	51.7	47.7	43.7	8
Crane	62.3	54.3	62.3	54.3	0
Crane	62.3	54.3	62.3	54.3	0
Crane	62.3	54.3	62.3	54.3	0
Crane	62.3	54.3	62.3	54.3	0
Crane	62.3	54.3	62.3	54.3	0
Welder / Torch	55.7	51.7	47.7	43.7	8
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5
Pneumatic Tools	66.9	63.9	61.9	58.9	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver F Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site F					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)

Notes:

Receiver F is 411 feet from the center of construction at Site F. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver F without shielding is below the noise limit of 80 dBA by 3.5 dBA. With shielding the total Leq is still below the noise limit of 80 dBA by 6.3 dBA.

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver G Results

PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site G					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)
Total	74.8	79.3	74.8	76.5	---
Pumps	65.4	62.4	57.4	54.4	8
Vibratory Concrete Mixer	64.5	57.5	56.5	49.5	8
Vibratory Concrete Mixer	64.5	57.5	56.5	49.5	8
Excavator	65.2	61.2	65.2	61.2	0
Excavator	65.2	61.2	65.2	61.2	0
Excavator	65.2	61.2	65.2	61.2	0
Excavator	65.2	61.2	65.2	61.2	0
Excavator	65.2	61.2	65.2	61.2	0
Backhoe	62.1	58.1	62.1	58.1	0
Backhoe	62.1	58.1	62.1	58.1	0
Compactor (ground)	67.7	60.7	67.7	60.7	0
Mounted Impact Hammer (hoe ram)	74.8	67.8	74.8	67.8	0
Mounted Impact Hammer (hoe ram)	74.8	67.8	74.8	67.8	0
Jackhammer	73.4	66.4	65.4	58.4	8
Roller	64.5	57.5	64.5	57.5	0
Dozer	66.2	62.2	66.2	62.2	0
Front End Loader	63.6	59.6	63.6	59.6	0
Dump Truck	60.9	57.0	60.9	57.0	0
Dump Truck	60.9	57.0	60.9	57.0	0
Flat Bed Truck	58.7	54.8	58.7	54.8	0
Welder / Torch	58.5	54.5	50.5	46.5	8
Welder / Torch	58.5	54.5	50.5	46.5	8
Pickup Truck	59.5	55.5	59.5	55.5	0
Pickup Truck	59.5	55.5	59.5	55.5	0
Welder / Torch	58.5	54.5	50.5	46.5	8
Welder / Torch	58.5	54.5	50.5	46.5	8
Crane	65.0	57.1	65.0	57.1	0
Crane	65.0	57.1	65.0	57.1	0
Crane	65.0	57.1	65.0	57.1	0
Crane	65.0	57.1	65.0	57.1	0
Crane	65.0	57.1	65.0	57.1	0
Welder / Torch	58.5	54.5	50.5	46.5	8
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5
Pneumatic Tools	69.7	66.7	64.7	61.7	5

Table: Construction Equipment Noise Summary - Community Grid Alternative Receiver G Results
PIN 3501.60 - I-81 Viaduct Project , Contract D031085, City of Syracuse, Onondaga County, New York

Community Grid Alternative - Noise Receiver Site G					
Equipment	No Shielding (dBA)		Shielding (dBA)		Shielding Factor
	Lmax	Leq	Lmax	Leq	(dBA)

Notes:
Recevier G is 298 feet from the center of construction at Site G. According to NYSDOT's TEM, "A construction noise impact will not normally occur at levels under Leq=80 dB(A)." The total Leq at Receiver G without shielding is below the noise limit of 80 dBA by 0.7 dBA. With shielding the total Leq is still below the noise limit of 80 dBA by 3.5 dBA.