Appendix J

Noise

Noise (EA Level Reviews) – PARTNER

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

General requirements	Legislation	Regulation
HUD's noise regulations protect residential properties from excessive noise exposure. HUD encourages mitigation as appropriate.	Noise Control Act of 1972 General Services Administration Federal Management Circular 75-2: "Compatible Land Uses at Federal Airfields"	Title 24 CFR 51 Subpart B
References		
https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control		

1. **What activities does your project involve? Check all that apply:**

☐ New construction for residential use
NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.
→ *Continue to Question 2.*

☒ Rehabilitation of an existing residential property
NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. For major rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.
→ *Continue to Question 2.*

☐ A research demonstration project which does not result in new construction or reconstruction, interstate, land sales registration, or any timely emergency assistance under disaster assistance provisions or appropriations which are provided to save lives, protect property, protect public health and safety, remove debris and wreckage, or assistance that has the effect of restoring facilities substantially as they existed prior to the disaster
→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section Continue to the Worksheet Summary below.*

☐ None of the above
→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. **Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport). Indicate the findings of the Preliminary Screening below:**

☒ There are no noise generators found within the threshold distances above.
→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.*

☐ Noise generators were found within the threshold distances.
→ *Continue to Question 3.*

3. **Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:**

☒ Acceptable: (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a))

Indicate noise level here: De minimus. The Highland Manor project is not located within 1000' from a major road or 3000' from a railroad. The project is located within 15 miles from an airport. However, according to the results of the Airport Noise Worksheet, it is assumed that the noise attributed to the airplanes will not extend beyond the boundaries of the airport. The Airport Noise Worksheet and other supporting data is included in this section of Highland Manor's environmental report. Due to the project's location, no road noise source or railroad noise source was entered into HUD's DNL calculator. A noise level of zero was entered into the DNL Calculator's airport section due to the findings of the Airport Noise Worksheet. Therefore, the calculator shows a noise level of zero. While the actual noise level at the project site is undoubtedly above zero, it is clear that the noise level at the project site does not exceed 65 decibels.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.*

☐ Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a))

Indicate noise level here: Click here to enter text.

<u>If project is rehabilitation:</u>

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.*

If project is new construction:

Is the project in a largely undeveloped area[1]?

☐ No

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.*

☐ Yes

→*The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). Work with the Re/HUD to elevate this review to an EIS-level review.*

☐ Unacceptable: (Above 75 decibels)

Indicate noise level here: Click here to enter text.

If project is rehabilitation:

HUD strongly encourages conversion of noise-exposed sites to land uses compatible with high noise levels. Consider converting this property to a non-residential use compatible with high noise levels.

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.*

If project is new construction:

The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). You may either complete an EIS or provide a waiver signed by the appropriate authority. Indicate your choice:

☐ Convert to an EIS

→ *Provide noise analysis, including noise level and data used to complete the analysis.*
Continue to Question 4.

☐ Provide waiver

→ *Work with the RE/HUD to prepare an Environmental Impact Statement waiver from the Certifying Officer or the Assistant Secretary for*

[1] A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses and does not have water and sewer capacity to serve the project.

Community Planning and Development per 24 CFR 51.104(b)(2) and noise analysis, including noise level and data used to complete the analysis. Continue to Question 4.

4. **HUD strongly encourages mitigation be used to eliminate adverse noise impacts. Work with the RE/HUD to develop mitigation measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation. This information will be automatically included in the Mitigation summary for the environmental review.**

☐ Mitigation as follows will be implemented:
Click here to enter text.

→ *Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures. Continue to the Worksheet Summary.*

☐ No mitigation is necessary.
Explain why mitigation will not be made here:
Click here to enter text.

→ *Continue to the Worksheet Summary.*

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The project site is not located within 1000' for a major road or 300' of a railroad. It is assumed the noise attributed to the single airport located within 15 miles of the project site will not extend beyond the boundaries of the airport, as demonstrated in this section's supporting documentation. The noise level at the project site is less than 65 dB. Therefore, the interior noise levels will be no more than 45 dB.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

Airport Noise Worksheet

Use this worksheet to identify information needed to evaluate a site's exposure to aircraft noise.

Name and Location of Project: Highland Manor
1325 & 1315 Jefferson Ave Havre, MT
Name of Airport: Havre City-County Airport

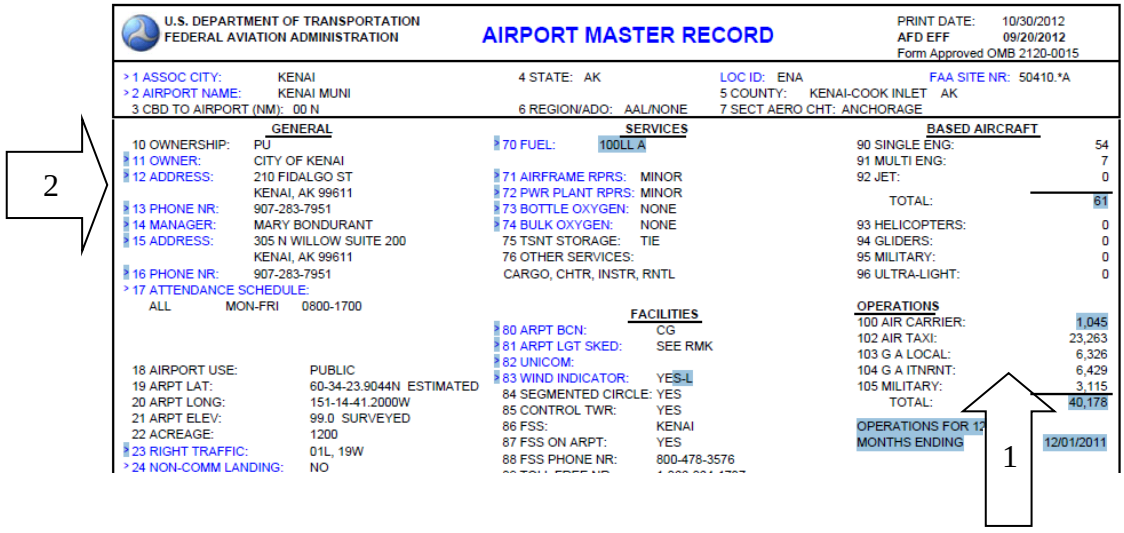
Date: January 13, 2021
Person completing worksheet: Andrew Chanania

1. Determine if the proposed site/project is within 15 miles of a civil or military airport.

☐ No. Attach a map identifying the location of the proposed project site and the location of any airports. This worksheet is not required.

☒ Yes. Attach a map identifying the location of the proposed project site and the location of any airports. Continue

2. Determine the number of operations at the airport by:
   - Going to: http://www.gcr1.com/5010web/
   - Type in the name of the city press search
   - Find your airport.
   - Open the report under "Print 5010"
   - Complete section 3 below by using the information found in the report (see arrow #1 in the example below)



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AIRPORT MASTER RECORD

PRINT DATE: 10/30/2012
AFD EFF 09/20/2012
Form Approved OMB 2120-0015

> 1 ASSOC CITY: KENAI
> 2 AIRPORT NAME: KENAI MUNI
3 CBD TO AIRPORT (NM): 00 N
4 STATE: AK
6 REGION/ADO: AAL/NONE
LOC ID: ENA
5 COUNTY: KENAI-COOK INLET AK
7 SECT AERO CHT: ANCHORAGE
FAA SITE NR: 50410.*A

GENERAL

10 OWNERSHIP: PU
> 11 OWNER: CITY OF KENAI
> 12 ADDRESS: 210 FIDALGO ST
KENAI, AK 99611
> 13 PHONE NR: 907-283-7951
> 14 MANAGER: MARY BONDURANT
> 15 ADDRESS: 305 N WILLOW SUITE 200
KENAI, AK 99611
> 16 PHONE NR: 907-283-7951
> 17 ATTENDANCE SCHEDULE:
ALL MON-FRI 0800-1700

18 AIRPORT USE: PUBLIC
19 ARPT LAT: 60-34-23.9044N ESTIMATED
20 ARPT LONG: 151-14-41.2000W
21 ARPT ELEV: 99.0 SURVEYED
22 ACREAGE: 1200
> 23 RIGHT TRAFFIC: 01L, 19W
> 24 NON-COMM LANDING: NO

SERVICES

> 70 FUEL: 100LL A
> 71 AIRFRAME RPRS: MINOR
> 72 PWR PLANT RPRS: MINOR
> 73 BOTTLE OXYGEN: NONE
> 74 BULK OXYGEN: NONE
75 TSNT STORAGE: TIE
76 OTHER SERVICES:
CARGO, CHTR, INSTR, RNTL

FACILITIES

> 80 ARPT BCN: CG
> 81 ARPT LGT SKED: SEE RMK
> 82 UNICOM:
> 83 WIND INDICATOR: YES-L
84 SEGMENTED CIRCLE: YES
85 CONTROL TWR: YES
86 FSS: KENAI
87 FSS ON ARPT: YES
88 FSS PHONE NR: 800-478-3576

BASED AIRCRAFT

90 SINGLE ENG:	54
91 MULTI ENG:	7
92 JET:	0
TOTAL:	61
93 HELICOPTERS:	0
94 GLIDERS:	0
95 MILITARY:	0
96 ULTRA-LIGHT:	0

OPERATIONS

100 AIR CARRIER:	1,045
102 AIR TAXI:	23,263
103 G A LOCAL:	6,326
104 G A ITNRNT:	6,429
105 MILITARY:	3,115
TOTAL:	40,178
OPERATIONS FOR 12 MONTHS ENDING	12/01/2011

2

1

3. Determine if the annual number of operations for air carriers #100, air taxis #102, military #105, and general aviation #103 plus #104 exceeds thresholds.

Annual air carrier operations	1,460	Is this 9000 or more	Yes ___ No X
Annual air taxi operations	1,450	Is this 18,000 or more	Yes____No_X__
Annual military operations	25	Is this 18,000 or more	Yes____No_X__
Annual general aviation operations	5,355	Is this 72,000 or more	Yes____No_X__

1. If you answer "No" on each of the questions above, it is assumed that the noise attributed to the airplanes will not extend beyond the boundaries of the airport. Maintain the documentation in your Environmental Review Record. You are finished with the evaluation of airport noise for this airport. If you have marked any question in #3 with "Yes," continue to 5.

2. Contact the airport manager, (see arrow #2 above) and ask them if the airport has noise contour maps. Are contour maps available?

☐ Yes. Locate your project on the noise contour map. If there are no roads or railroads that are being considered for noise, utilize the information from the contour map to determine if the site is acceptable. If roads or railroads are being considered input the information obtained from the airport noise contours, along with the road and railroad information in the HUD Noise Assessment Guidelines (NAG) or the online tool at https://www.hudexchange.info/environmental-review/dnl-calculator.

☐ No. Construct the approximate DNL contours by using the guidance on page 52 and 53 of the NAG. You will need to obtain the following information from the airport: 1). The number of nighttime jet operations (10pm to 7 am) 2). The number of daytime jet operations (7 am to 10 pm) 3). The flight paths of the major runways. 4). Any available information about expected changes in airport traffic (e.g. will the number of operations increase or decrease in the next 10 to 15 years).

Contact your HUD Representative if you need assistance

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AIRPORT MASTER RECORD

PRINT DATE: 1/13/2021 Highland Manor Environmental Review
AFD EFF 12/31/2020 Appendix J 8
FORM APPROVED OMB 2120-0015

> 1 ASSOC CITY:	HAVRE	4 STATE: MT	LOC ID: HVR	FAA SITE NR:	12399.*A
> 2 AIRPORT NAME:	HAVRE CITY-COUNTY		5 COUNTY: HILL MT		
3 CBD TO AIRPORT (NM):	03 W	6 REGION/ADO: ANM/HLN	7 SECT AERO CHT: GREAT FALLS		

GENERAL

10 OWNERSHIP:	PUBLIC
> 11 OWNER:	CITY OF HAVRE & HILL CO
> 12 ADDRESS:	520 4 TH ST, PO BOX 231 HAVRE, MT 59501
> 13 PHONE NR:	(406) 265-6719
> 14 MANAGER:	TONY DOLPHAY
> 15 ADDRESS:	5180 9TH ST W, P.O. BOX 231 HAVRE, MT 59501
> 16 PHONE NR:	(406) 256-4326

> 17 ATTENDANCE SCHEDULE:

ALL	ALL	0600-2000

18 AIRPORT USE:	PUBLIC
19 ARPT LAT:	48-32-34.7000N ESTIMATED
20 ARPT LONG:	109-45-44.4000W
21 ARPT ELEV:	2591.3 SURVEYED
22 ACREAGE:	720
> 23 RIGHT TRAFFIC:	NO
> 24 NON-COMM LANDING:	NO
25 NPIAS/FED AGREEMENTS:	NGY3
> 26 FAR 139 INDEX:	

SERVICES

> 70 FUEL:	100LL A+
> 71 AIRFRAME RPRS:	MINOR
> 72 PWR PLANT RPRS:	MINOR
> 73 BOTTLE OXYGEN:	NONE
> 74 BULK OXYGEN:	NONE
75 TSNT STORAGE:	HGR, TIE
76 OTHER SERVICES:	AFRT, AGRI, AMB, CARGO

FACILITIES

> 80 ARPT BCN:	CG
> 81 ARPT LGT SKED :	SEE RMK
BCN LGT SKED:	SS-SR
> 82 UNICOM:	122.800
> 83 WIND INDICATOR:	YES-L
84 SEGMENTED CIRCLE:	YES
85 CONTROL TWR:	NO
86 FSS:	GREAT FALLS
87 FSS ON ARPT:	NO
88 FSS PHONE NR:	
89 TOLL FREE NR:	1-800-WX-BRIEF

BASED AIRCRAFT

90 SINGLE ENG:	14
91 MULTI ENG:	1
92 JET:	0
93 HELICOPTERS:	0
TOTAL:	15
94 GLIDERS:	0
95 MILITARY:	0
96 ULTRA-LIGHT:	0

OPERATIONS

100 AIR CARRIER:	1,460
102 AIR TAXI:	1,450
103 G A LOCAL:	3,855
104 G A ITNRNT:	1,500
105 MILITARY:	25
TOTAL:	8,290
OPERATIONS FOR 12 MONTHS ENDING:	07/26/2017

RUNWAY DATA

	03/21	**08/26**		
> 30 RUNWAY INDENT:				
> 31 LENGTH:	3,699	5,205		
> 32 WIDTH:	60	100		
> 33 SURF TYPE-COND:	ASPH-E	ASPH-E		
> 34 SURF TREATMENT:				
35 GROSS WT: S	12.5	30.0		
36 (IN THSDS) D		40.0		
37 2D		50.0		
38 2D/2D2				
> 39 PCN:				

LIGHTING/APCH AIDS

> 40 EDGE INTENSITY:	MED	MED		
> 42 RWY MARK TYPE-COND:	BSC - G / BSC - G	NPI - G / NPI - G	- / -	- / -
> 43 VGSI:	/ P2R	V4L / V4L	/	/
44 THR CROSSING HGT	/ 21	40 / 37	/	/
45 VISUAL GLIDE ANGLE:	/ 3.00	3.00 / 3.00	/	/
> 46 CNTRLN-TDZ:	- / -	- / -	- / -	- / -
> 47 RVR-RVV:	- / -	- / -	- / -	- / -
> 48 REIL:	/	Y / Y	/	/
> 49 APCH LIGHTS:	/	/	/	/

OBSTRUCTION DATA

50 FAR 77 CATEGORY	A(V) / A(V)	C / C	/	/
> 51 DISPLACED THR:	/	/	/	/
> 52 CTLG OBSTN:	/	/	/	/
> 53 OBSTN MARKED/LGTD:	/	/	/	/
> 54 HGT ABOVE RWY END:	/	/	/	/
> 55 DIST FROM RWY END:	/	/	/	/
> 56 CNTRLN OFFSET:	/	/	/	/
57 OBSTN CLNC SLOPE:	20:1 / 20:1	34:1 / 34:1	/	/
58 CLOSE-IN OBSTN:	N / N	N / N	/	/

DECLARED DISTANCES

> 60 TAKE OFF RUN AVBL (TORA):	3,699 / 3,699	5,205 / 5,205	/	/
> 61 TAKE OFF DIST AVBL (TODA):	3,699 / 3,699	5,205 / 5,205	/	/
> 62 ACLT STOP DIST AVBL (ASDA):	3,699 / 3,699	5,205 / 5,205	/	/
> 63 LNDG DIST AVBL (LDA):	3,699 / 3,699	5,205 / 5,205	/	/

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS

A 016	CELL NUMBER 406-390-5689
A 017	AFLD SFC COND CALL 24/7 406-390-5689
A 081	ACTVT REIL RWY 08 & 26; PAPI RWY 21; VASI RWY 08 & 26; MIRL RWY 03/21 - CTAF
A 110	THIS AIRPORT HAS BEEN SURVEYED BY THE NATIONAL GEODETIC SURVEY.
A 110-001	POTENTIAL LARGE FLOCKS OF WATERFOWL NEAR APPROACH END RY 26.
A 110-003	COLD TEMPERATURE RESTRICTED AIRPORT. ALTITUDE CORRECTION REQUIRED AT OR BELOW -30C.
A 110-004	FOR CD IF UNA TO CTC ON FSS FREQ, CTC SALT LAKE ARTCC AT 801-320-2568.

111 INSPECTOR: (S) 112 LAST INSP: 04/20/2020 113 LAST INFO REQ:

NEPAssist

https://nepassisttool.epa.gov/nepassist/nepamap.aspx

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United States Environmental Protection Agency

Find address or place | Basemap | Imagery | Draw | Erase | Save Session | Tools | More Data

Measure

Click one of the following buttons to start measuring:

Unit Feet (US)

Mode Auto

Distance
9,328.46 ft

New Measurement

9,328.46 ft

Select Map Contents

- EPA Facilities
- Water Monitoring Stations
- Boundaries
- Nonattainment Areas
- Water Features
- Transportation
  - Airport Points
  - Airport Polygons
  - Railroads
- Places
- Soil Survey Map
- Critical Habitat
- NWI Wetlands
- FEMA Flood
- Land Cover

EnviroMapper

USDA FSA, GeoEye, Maxar | EPA OEI | U.S. EPA Office of Air and Radiation (OAR) - Office of Air Quality Planning and Standards (OAQPS) | EPA OEI, OFA

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NEPAssist

https://nepassisttool.epa.gov/nepassist/nepamap.aspx

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United States Environmental Protection Agency

Find address or place

Basemap | Imagery | Draw | Erase | Save Session | Tools | More Data

Measure

Click one of the following buttons to start measuring:

Unit Feet (US)

Mode Auto

Distance
8,575.84 ft

New Measurement

8,575.84 ft

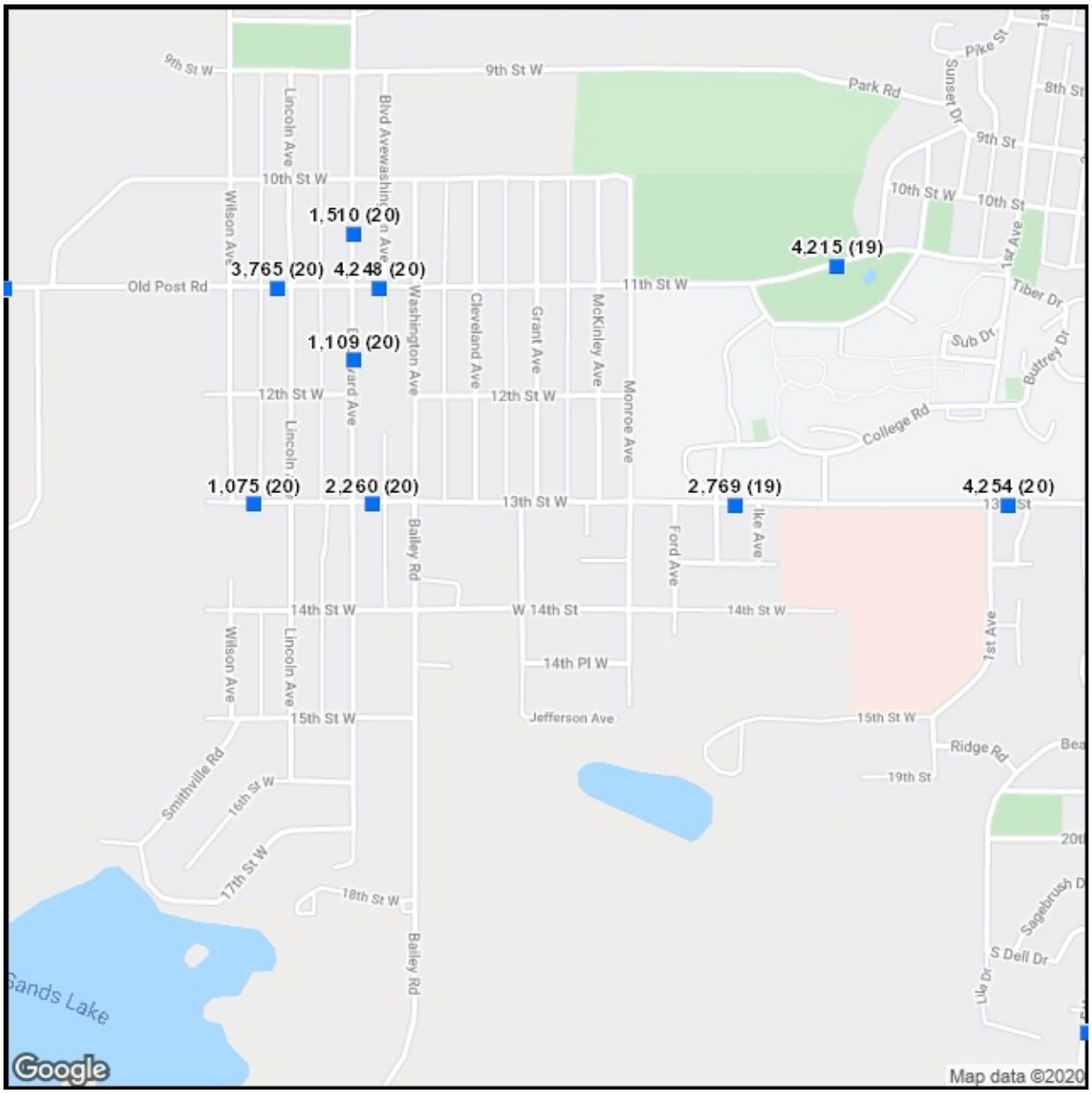
Select Map Contents

- EPA Facilities
- Water Monitoring Stations
- Boundaries
- Nonattainment Areas
- Water Features
- Transportation
  - Airport Points
  - Airport Polygons
  - Railroads
- Places
- Soil Survey Map
- Critical Habitat
- NWI Wetlands
- FEMA Flood
- Land Cover

EnviroMapper

USDA FSA, GeoEye, Maxar | EPA OEI | U.S. EPA Office of Air and Radiation (OAR) - Office of Air Quality Planning and Standards (OAQPS) | EPA OEI, OFA

Powered by Esri



0 1500 3000

Feet

N

TCDS Locations

- Short
- Continuous
- WIM
- Located Short
- Located Continuous
- Located WIM
- Inactive Location

MONTANA MDT DEPARTMENT OF TRANSPORTATION

https://mdt.maps.arcgis.com/home/webmap/viewer.html?webmap=8a0308abed8846b6b533781e7a96eedd&extent=-116.2848,43.1

MONTANA RESPONSE... | COVID-19 Cases in our... | GMAIL | Montana Housing Offi... | Community Develop... | HOME CFR | HTF CFR | RD CFR | HUD HUSM | NWE Rate Tariff | MBOH Funding Portal | Cadastral

Home | Montana Traffic Data

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Details | Basemap | Share | Print | Measure | Find address or place

About | Content | Legend

Legend

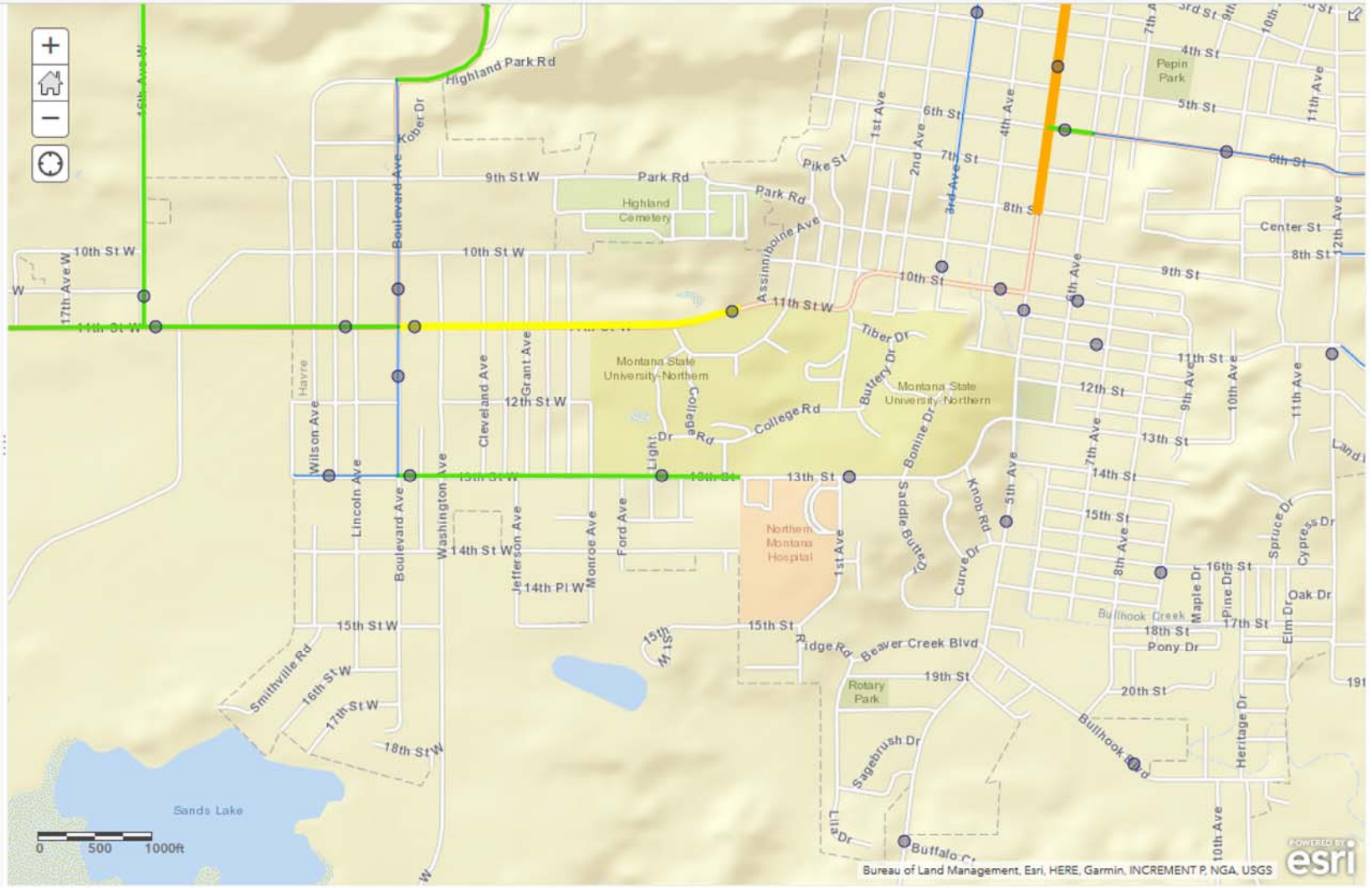
Traffic Counts

- CCS Site
- Short Term Count Site

Traffic Segments

2019 AADT

- > 22,324 - 42,130
- > 13,735 - 22,324
- > 8,096 - 13,735
- > 4,158 - 8,096
- > 1,508 - 4,158
- 0 - 1,508



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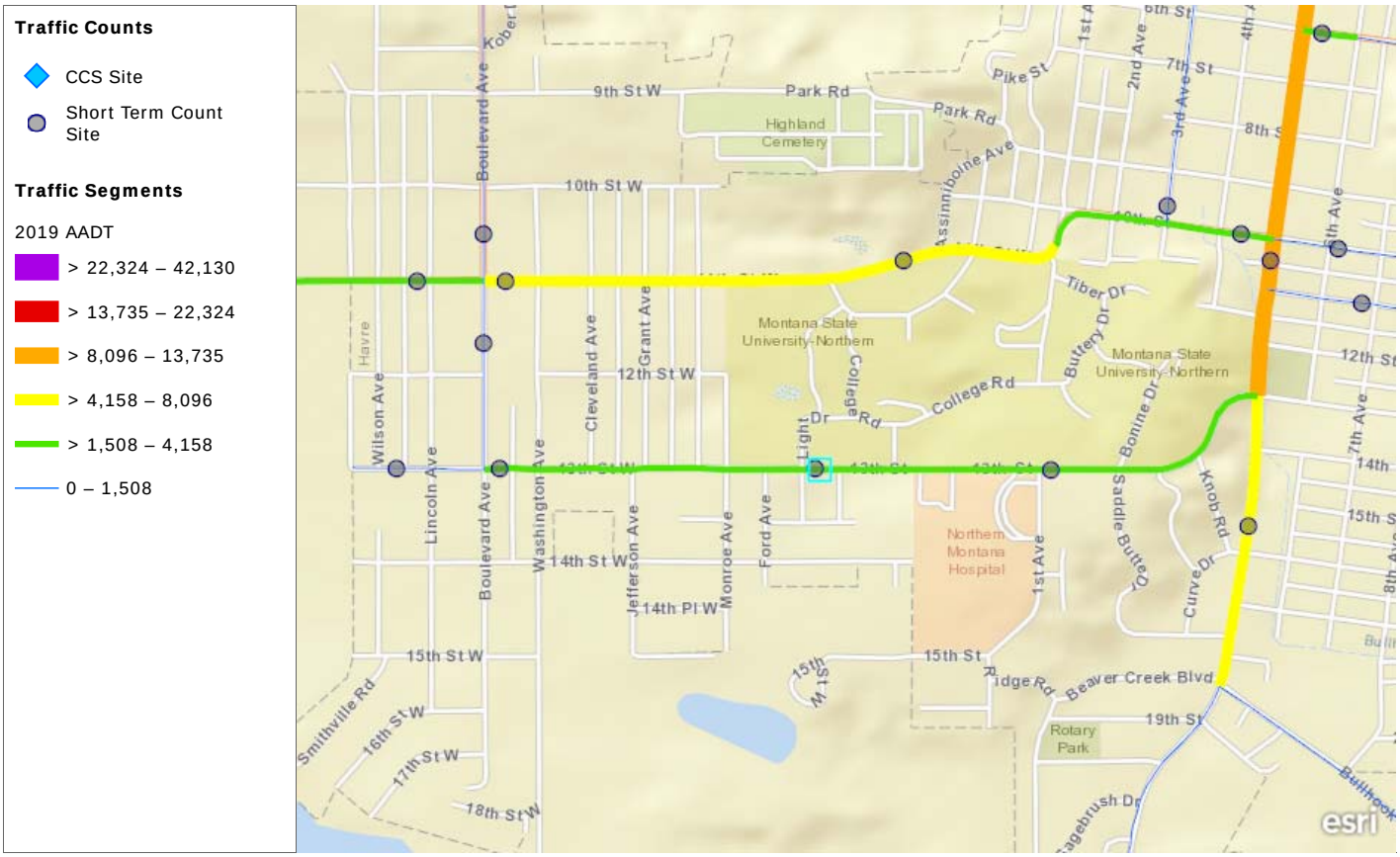
Montana Traffic Data



Montana Traffic Data - Zoom to Metropolitan level to see counts

Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, NGA, USGS

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the **Day/Night Noise Level Calculator Electronic Assessment Tool Overview (/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/)**.

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	Highland Manor
Record Date	01/13/2021
User's Name	Andrew Chanania

Add Road Source | Add Rail Source

Airport Noise Level 0

Loud Impulse Sounds?	○Yes ◉No
Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	**N/A**
Site DNL with Loud Impulse Sound	

Calculate Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
  - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
  - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
  - Incorporate natural or man-made barriers. See ***The Noise Guidebook (/resource/313/hud-noise-guidebook/)***
  - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-

assessment-tool-flowcharts/)