

# Appendix F

## Noise Calculations



existing arelious walker north of gilman.txt  
\* \* \* \* CASE INFORMATION \* \* \* \*

\* \* \* \* Results calculated with TNM Version 2.5 \* \* \* \*

existing arelious walker north of gilman

\* \* \* \* TRAFFIC VOLUME/SPEED INFORMATION \* \* \* \*

Automobile volume (v/h):	95.0
Average automobile speed (mph):	25.0
Medium truck volume (v/h):	2.0
Average medium truck speed (mph):	25.0
Heavy truck volume (v/h):	1.0
Average heavy truck speed (mph):	25.0
Bus volume (v/h):	0.0
Average bus speed (mph):	0.0
Motorcycle volume (v/h):	0.0
Average Motorcycle speed (mph):	0.0

\* \* \* \* TERRAIN SURFACE INFORMATION \* \* \* \*

Terrain surface: hard

\* \* \* \* RECEIVER INFORMATION \* \* \* \*

DESCRIPTION OF RECEIVER # 1

Distance from center of 12-ft wide, single lane roadway (ft):	50.0
A-weighted Hourly Equivalent Sound Level without Barrier (dBA):	51.9

existing gilman west of arelious walker.txt  
\* \* \* \* CASE INFORMATION \* \* \* \*

\* \* \* \* Results calculated with TNM Version 2.5 \* \* \* \*

existing gilman west of arelious walker

\* \* \* \* TRAFFIC VOLUME/SPEED INFORMATION \* \* \* \*

Automobile volume (v/h):	67.0
Average automobile speed (mph):	25.0
Medium truck volume (v/h):	1.0
Average medium truck speed (mph):	25.0
Heavy truck volume (v/h):	1.0
Average heavy truck speed (mph):	25.0
Bus volume (v/h):	0.0
Average bus speed (mph):	0.0
Motorcycle volume (v/h):	0.0
Average Motorcycle speed (mph):	0.0

\* \* \* \* TERRAIN SURFACE INFORMATION \* \* \* \*

Terrain surface: hard

\* \* \* \* RECEIVER INFORMATION \* \* \* \*

DESCRIPTION OF RECEIVER # 1

Distance from center of 12-ft wide, single lane roadway (ft):	100.0
A-weighted Hourly Equivalent Sound Level without Barrier (dBA):	47.5

existing plus project arelious walker north of gilman.txt  
\* \* \* \* \* CASE INFORMATION \* \* \* \* \*

\* \* \* \* \* Results calculated with TNM Version 2.5 \* \* \* \* \*

existing plus project arelious walker north of gilman

\* \* \* \* \* TRAFFIC VOLUME/SPEED INFORMATION \* \* \* \* \*

Automobile volume (v/h):	210.0
Average automobile speed (mph):	25.0
Medium truck volume (v/h):	4.0
Average medium truck speed (mph):	25.0
Heavy truck volume (v/h):	2.0
Average heavy truck speed (mph):	25.0
Bus volume (v/h):	0.0
Average bus speed (mph):	0.0
Motorcycle volume (v/h):	0.0
Average Motorcycle speed (mph):	0.0

\* \* \* \* \* TERRAIN SURFACE INFORMATION \* \* \* \* \*

Terrain surface: hard

\* \* \* \* \* RECEIVER INFORMATION \* \* \* \* \*

DESCRIPTION OF RECEIVER # 1

Distance from center of 12-ft wide, single lane roadway (ft):	50.0
A-weighted Hourly Equivalent Sound Level without Barrier (dBA):	55.1

existing plus project gilman west of arelious walker.txt  
\* \* \* \* CASE INFORMATION \* \* \* \*

\* \* \* \* Results calculated with TNM Version 2.5 \* \* \* \*

existing plus project gilman west of arelious walker

\* \* \* \* TRAFFIC VOLUME/SPEED INFORMATION \* \* \* \*

Automobile volume (v/h):	125.0
Average automobile speed (mph):	25.0
Medium truck volume (v/h):	3.0
Average medium truck speed (mph):	25.0
Heavy truck volume (v/h):	1.0
Average heavy truck speed (mph):	25.0
Bus volume (v/h):	0.0
Average bus speed (mph):	0.0
Motorcycle volume (v/h):	0.0
Average Motorcycle speed (mph):	0.0

\* \* \* \* TERRAIN SURFACE INFORMATION \* \* \* \*

Terrain surface: hard

\* \* \* \* RECEIVER INFORMATION \* \* \* \*

DESCRIPTION OF RECEIVER # 1

Distance from center of 12-ft wide, single lane roadway (ft):	100.0
A-weighted Hourly Equivalent Sound Level without Barrier (dBA):	49.8

cumulative areious walker north of gilman.txt  
\* \* \* \* CASE INFORMATION \* \* \* \*

\* \* \* \* Results calculated with TNM Version 2.5 \* \* \* \*

cumulative areious walker north of gilman

\* \* \* \* TRAFFIC VOLUME/SPEED INFORMATION \* \* \* \*

Automobile volume (v/h):	1921.0
Average automobile speed (mph):	25.0
Medium truck volume (v/h):	40.0
Average medium truck speed (mph):	25.0
Heavy truck volume (v/h):	20.0
Average heavy truck speed (mph):	25.0
Bus volume (v/h):	0.0
Average bus speed (mph):	0.0
Motorcycle volume (v/h):	0.0
Average Motorcycle speed (mph):	0.0

\* \* \* \* TERRAIN SURFACE INFORMATION \* \* \* \*

Terrain surface: hard

\* \* \* \* RECEIVER INFORMATION \* \* \* \*

DESCRIPTION OF RECEIVER # 1

Distance from center of 12-ft wide, single lane roadway (ft):	50.0
A-weighted Hourly Equivalent Sound Level without Barrier (dBA):	64.9

cumulative gilman west of arelious walk.txt  
\* \* \* \* CASE INFORMATION \* \* \* \*

\* \* \* \* Results calculated with TNM Version 2.5 \* \* \* \*

cumulative gilman west of arelious walker

\* \* \* \* TRAFFIC VOLUME/SPEED INFORMATION \* \* \* \*

Automobile volume (v/h):	1768.0
Average automobile speed (mph):	25.0
Medium truck volume (v/h):	36.0
Average medium truck speed (mph):	25.0
Heavy truck volume (v/h):	18.0
Average heavy truck speed (mph):	25.0
Bus volume (v/h):	0.0
Average bus speed (mph):	0.0
Motorcycle volume (v/h):	0.0
Average Motorcycle speed (mph):	0.0

\* \* \* \* TERRAIN SURFACE INFORMATION \* \* \* \*

Terrain surface: hard

\* \* \* \* RECEIVER INFORMATION \* \* \* \*

DESCRIPTION OF RECEIVER # 1

Distance from center of 12-ft wide, single lane roadway (ft):	100.0
A-weighted Hourly Equivalent Sound Level without Barrier (dBA):	61.4



cum plus p arelious walker north of gilman.txt  
\* \* \* \* CASE INFORMATION \* \* \* \*

\* \* \* \* Results calculated with TNM Version 2.5 \* \* \* \*

cumulative plus p arelious walker north of gilman

\* \* \* \* TRAFFIC VOLUME/SPEED INFORMATION \* \* \* \*

Automobile volume (v/h):	1940.0
Average automobile speed (mph):	25.0
Medium truck volume (v/h):	40.0
Average medium truck speed (mph):	25.0
Heavy truck volume (v/h):	20.0
Average heavy truck speed (mph):	25.0
Bus volume (v/h):	0.0
Average bus speed (mph):	0.0
Motorcycle volume (v/h):	0.0
Average Motorcycle speed (mph):	0.0

\* \* \* \* TERRAIN SURFACE INFORMATION \* \* \* \*

Terrain surface: hard

\* \* \* \* RECEIVER INFORMATION \* \* \* \*

DESCRIPTION OF RECEIVER # 1

Distance from center of 12-ft wide, single lane roadway (ft):	50.0
A-weighted Hourly Equivalent Sound Level without Barrier (dBA):	64.9

cumulative plus project gilman west of arelious walker.txt  
\* \* \* \* CASE INFORMATION \* \* \* \*

\* \* \* \* Results calculated with TNM Version 2.5 \* \* \* \*

cumulative plus project gilman west of arelious walker

\* \* \* \* TRAFFIC VOLUME/SPEED INFORMATION \* \* \* \*

Automobile volume (v/h):	1785.0
Average automobile speed (mph):	25.0
Medium truck volume (v/h):	37.0
Average medium truck speed (mph):	25.0
Heavy truck volume (v/h):	18.0
Average heavy truck speed (mph):	25.0
Bus volume (v/h):	0.0
Average bus speed (mph):	0.0
Motorcycle volume (v/h):	0.0
Average Motorcycle speed (mph):	0.0

\* \* \* \* TERRAIN SURFACE INFORMATION \* \* \* \*

Terrain surface: hard

\* \* \* \* RECEIVER INFORMATION \* \* \* \*

DESCRIPTION OF RECEIVER # 1

Distance from center of 12-ft wide, single lane roadway (ft):	100.0
A-weighted Hourly Equivalent Sound Level without Barrier (dBA):	61.5