

Mapilary at the Alaska Railroad

Alaska Smart Communities - November 2019 Aaron Butterer - Manager, Geospatial Programs

4015

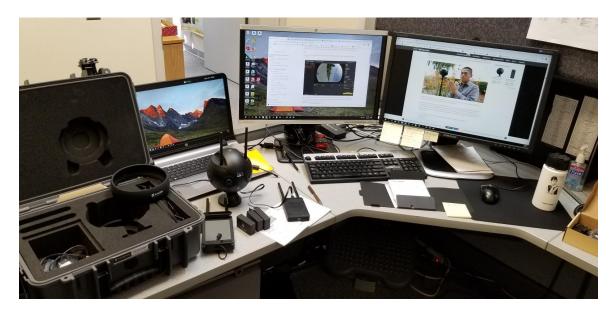




360 Camera Details

Needs

- GPS
- High Resolution
- Changeable batteries
- Removeable storage



Camera - Insta360 Pro2

 Looked at Streetview
 compatible cameras (link)



Hosting

• Hosting/Widget - Mapillary







Cost Breakdown

• \$37,000 Total spent for 525 ± miles of track

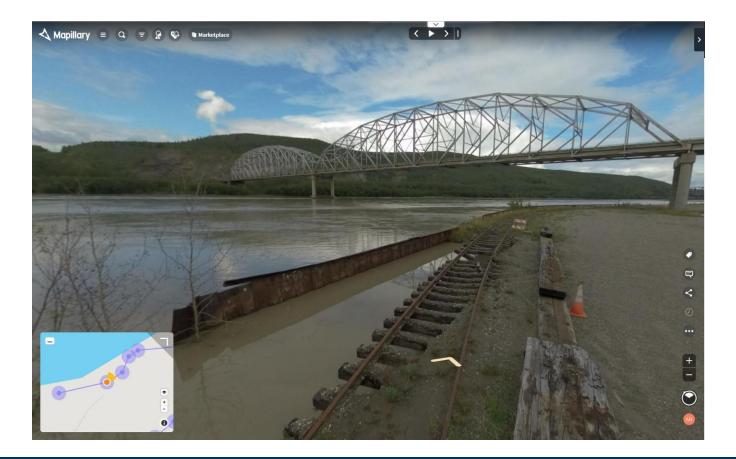
– Camera	- \$5,000
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- Collecting Imagery \$17,350
 - Hyrail/driver/intern
- Widget \$4,000/yr
- Hosting \$9,000/yr
 - 70,000± images (800Gb)
- Initial Setup \$1,650

	Panoramas (360° images)
Up to 10,000 images	\$200 per month
10,001 st to 100,000 th image	\$10 per 1,000 images per month
100,001 st to 500,000 th image	\$5 per 1,000 images per month
500,001 st to 1,000,000 th image	\$4 per 1,000 images per month
1,000,001 st image onwards	\$3.5 per 1,000 images per month



360° Imagery <u>360° Imagery Demo</u>





Problems

• Weather

Camera not weatherproof

- Trains
- Speed

– Could only go 15 mph

- Data Storage
- Network Connectivity

