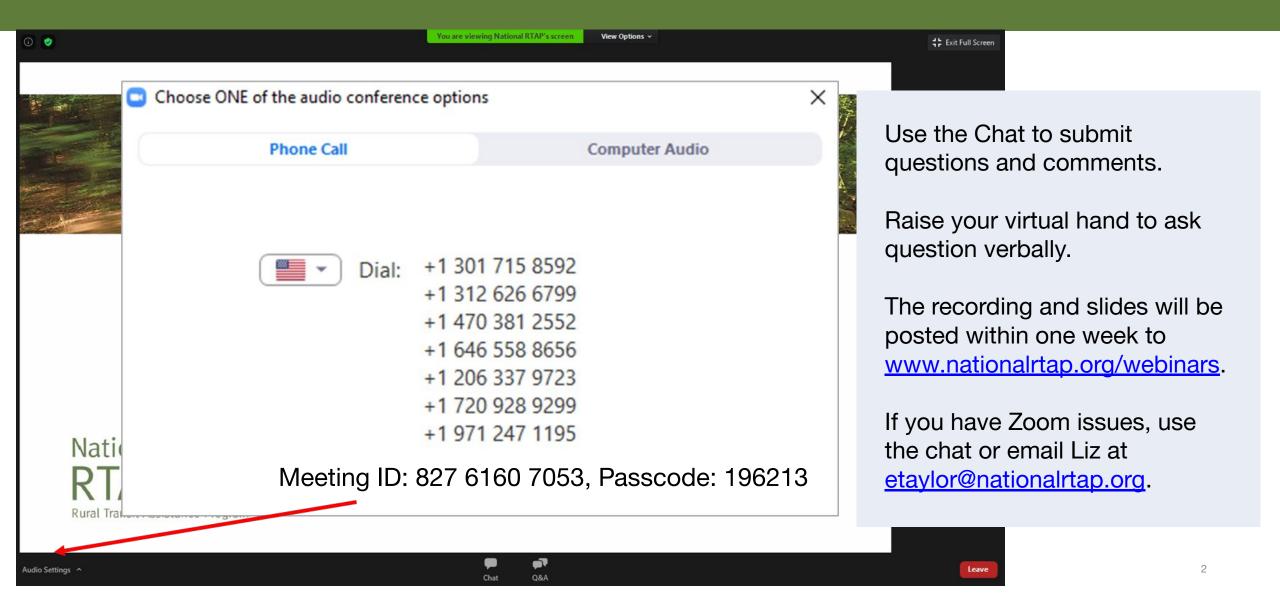


Tools for Marketing & Trip Planning: Website Builder and GTFS Builder

April 20, 2022, 2:00-3:15 EST

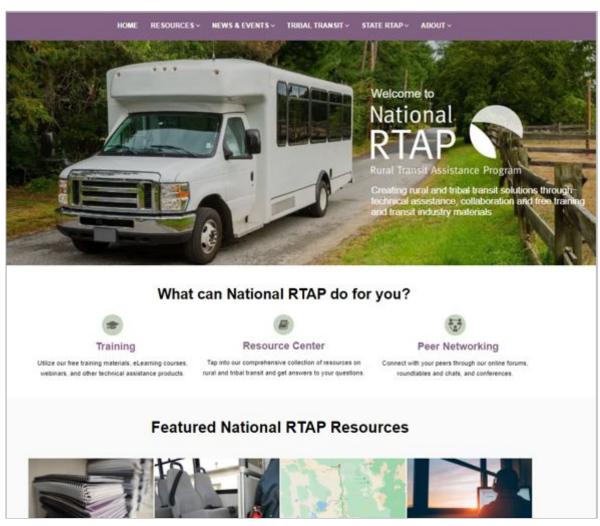


Webinar Information



National Rural Transit Assistance Program

- Technical assistance center funded by FTA through the Section 5311 Program.
- Provides free training materials, tools, and technical assistance to rural and tribal transit providers and state RTAPs.
- Review Board 14 state DOT and rural and tribal transit agency staff.
 - Deadline for nominations is June 30.
 Learn more on our News page.
- Learn more at <u>nationalrtap.org</u>.



Agenda

- Introduction
- Website Builder overview
- GTFS Builder overview
- Create a timetable/schedule and integrate with Website Builder
- Create a route or system-wide map and integrate with Website Builder
- Questions

Speaker Introduction





Justin Heavenridge Operations Manager DevObal Technologies Inc.

Marcy Jaffe
GTFS Consultant
Transnnovation, Inc.

Website Builder

What is Website Builder?

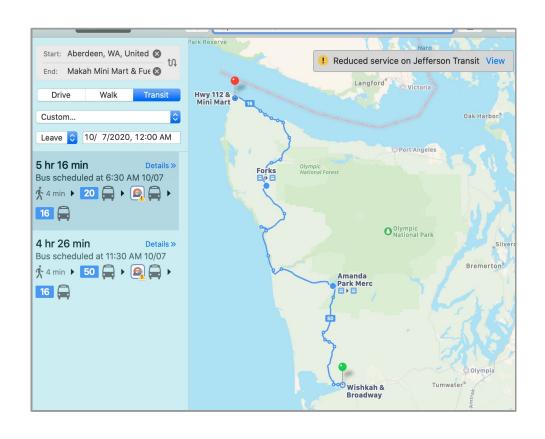
- A cloud-based CMS (content management system) that can be accessed from any desktop, tablet and mobile device.
- Website Builder allows you to create a free website with transit-specific content and features.
- Provides an easy-to-use editor that features a "drag and drop" interface that requires no experience to manipulate
- National RTAP has a technical support team that will help you setup, host, and manage your website for FREE.

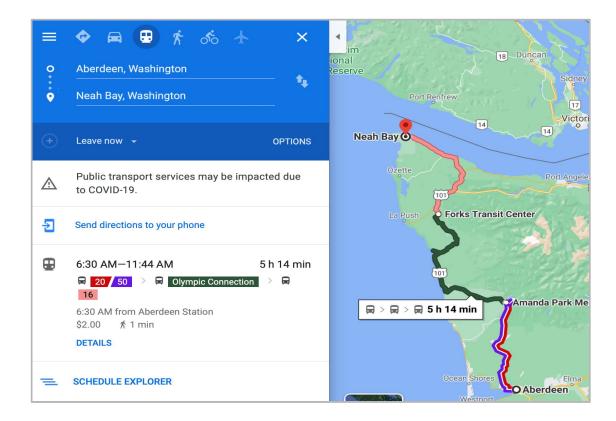
Demo/Intro: Website Builder

General Transit Feed Specifications (GTFS)

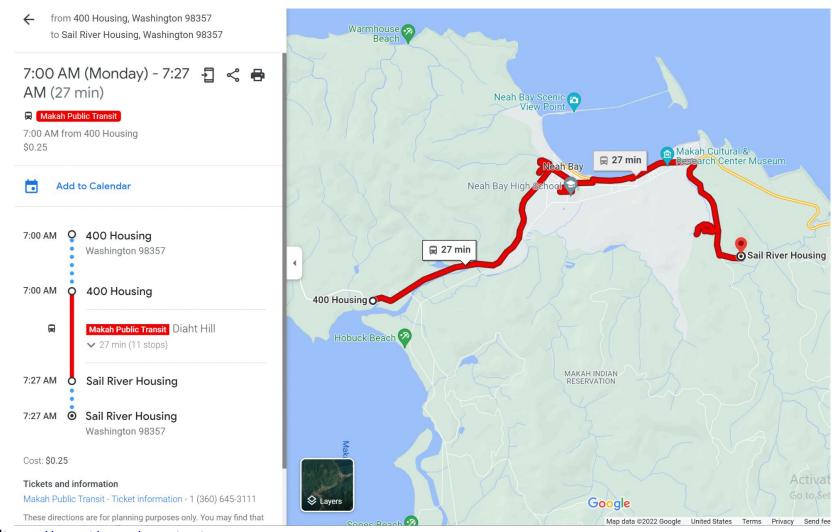
National RTAP's GTFS Builder

Global and Free Marketing! A billboard via Apple Maps, Google Maps and others

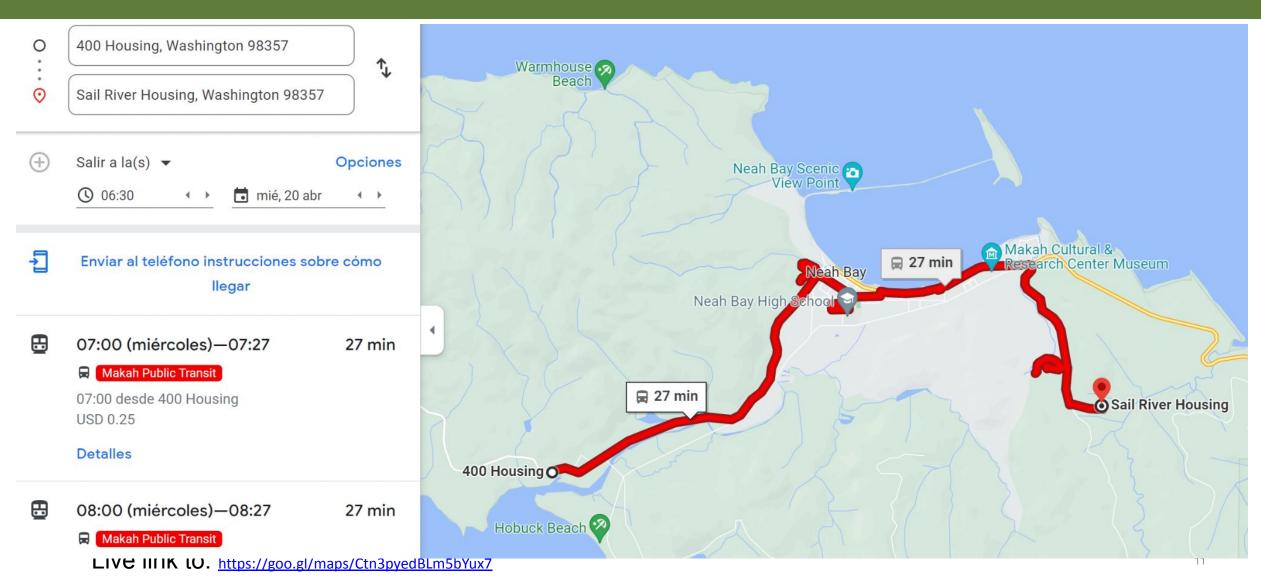




Online, Digitized Trip Planning Answers Many Rider?s



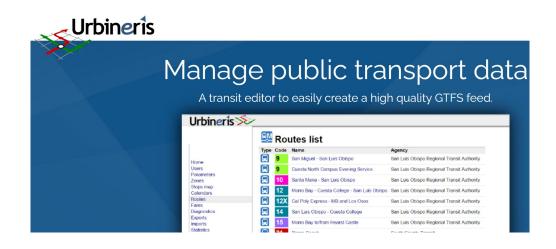
Title VI/ ADA / Low English Proficiency / Tourists: sample trip in Spanish

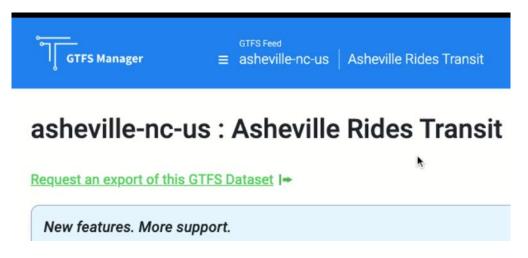


Options for GTFS & Requirements

Developing GTFS Data

- Procure, hire & manage <u>outside</u> <u>contractor</u>
- Partner with adjacent/regional transit providers
- Join a state sponsored trip planner
- Use National RTAP's GTFS Builder





What do you need to start?

Fixed Route: At least one fixed route available to public

Website: With fixed route timetables/schedules displayed

(No website - check out NRTAP Website Builder)

National RTAP's GTFS Builder

What do you need to start GTFS Builder?





Google Earth Pro Desktop Version



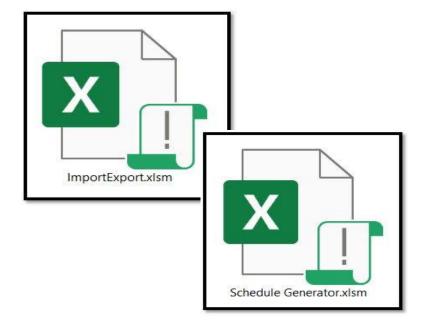


image courtesy: wikipedia

GTFS Builder Guidebook

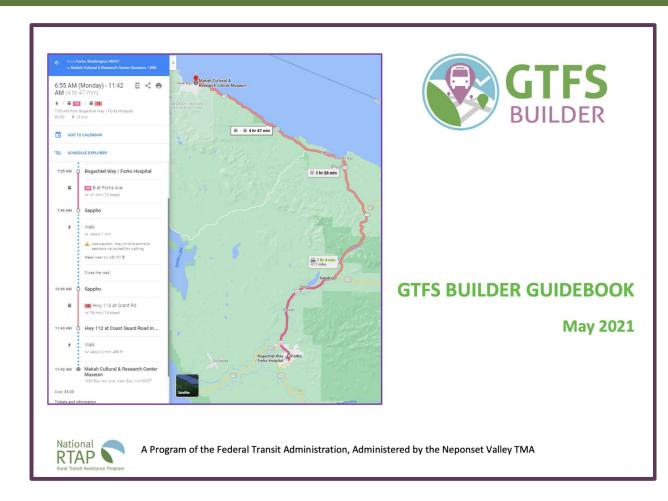
Step-by-step Guidebook

How-To Videos

No-costs & Technical support

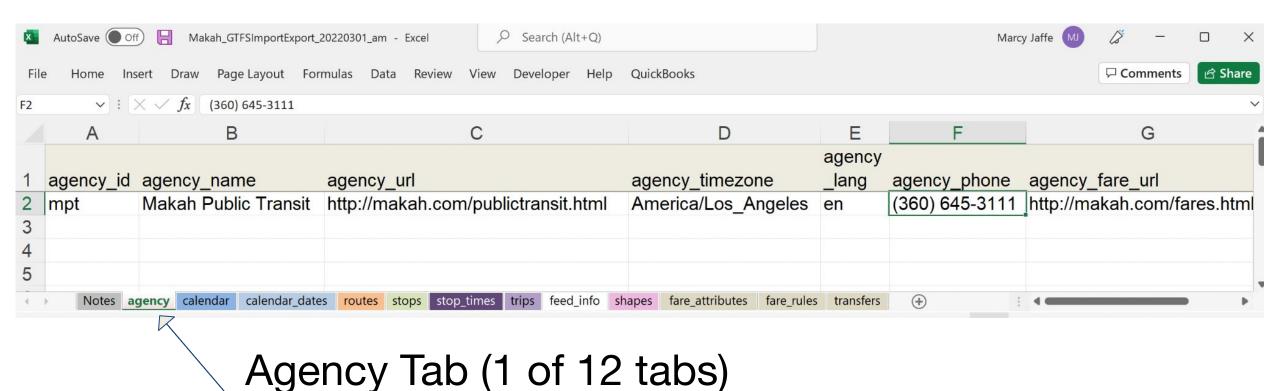
Continuous pick-up and drop-off (GTFS-Flex 1.0)

888-589-6821



https://www.nationalrtap.org/Technology-Tools/GTFS-Builder/Support

Two Excel Files - 1. Import Export



- 8 required
- 4 optional

Two Excel Files - 2. Schedule Generator

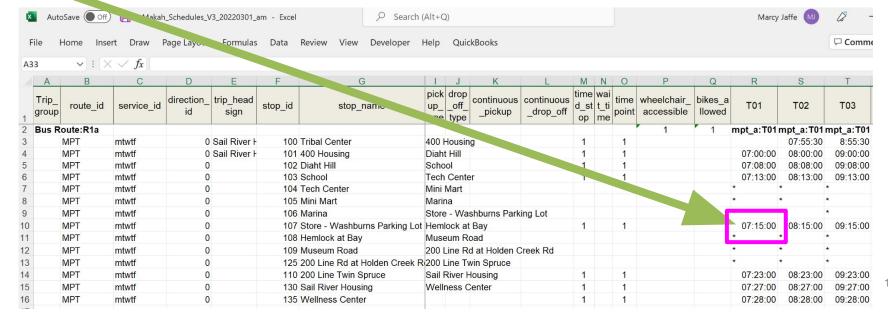
MAKAH PUBLIC TRANSIT

PLEASE NOTE: ALL TIMES ARE DEPARTURE TIMES EFFECTIVE: June 2021

ALSO NOTE: THAT ALL TIMES ARE APPROXIMATE

Sample Timetable

N/A = Not a scheduled stop								* = MTC EMPLOYEE PARK & RIDE								
1	400	DIAHT	SCHOOL	STORE	200	SAIL	Head	HSNG.	EAST	STORE	SCHOOL	SR.	CLINIC	DIAHT	400	TRIBAL
	HSNG.	HILL			LINE	RIVER	Start	DEPT.	NURS.			CTR.		HILL	HSNG.	CENTER
	7:00a	7:08a	7:13a	7:15a	7:23a	7:27a	7:31a	7:32a	7:33a	*7:35a	7:40a	7:45a	N/A	7:50a	N/A	7:55a
	8:00a	8:08a	8:13a	0.15a	8.20	8:27a	8:31a	8:32a	8:33a	8:35a	8:40a	8:45a	8:47a	8:50a	N/A	8:55a
	9:00a	9:08a	9:13a	9:15a	9:23a	9.277	9:31a	9:32a	9:33a	9:35a	9:40a	9:45a	9:47a	9:50a	N/A	9:55a



What Skills and Time Are Required?

- Beginner Microsoft Excel skills
- Familiarity or willingness to learn, Google's MyMaps
- Familiarity or willingness to learn, Google Earth
- Estimate: four hours per route

If you try - we'll help you succeed support@nationalrtap.org



Photo by Andrea Piacquadio: https://www.pexels.com/photo/happy-ethnic-woman-sitting-at-table-with-laptop-3769021/

Schedule Making Options - GTFS Builder

GTFS Builder - Generates Timetable

Tribal Center	400 Housing	g Diaht Hill		School	Store - Washburns Parking Lot	200 Line Twin Spruce	
		7:00	7:08	7:13	7:15	7:23	
7:55		8:00	8:08	8:13	8:15	8:23	
8:55		9:00	9:08	9:13	9:15	9:23	
Timetable (option	onal)	Housing		East Nursery at	Store - Washburns		
Wellness Center	Head Start	Authority		Shelter	Parking Lot	School	
7:28		7:30	7:31	7:33	7:35	7:40	
8:28		8:30	8:31	8:33	8:35	8:40	
9:28		9:30	9:31	9:33	9:35	9:40	

Consider Timetable (pivot)

Tribal Center		7:55	8:55
400 Housing	7:00	8:00	9:00
Diaht Hill	7:08	8:08	9:08
School	7:13	8:13	9:13
Store - Washburns Parking Lot	7:15	8:15	9:15
200 Line Twin Spruce	7:23	8:23	9:23
Sail River Housing	7:27	8:27	9:27
Wellness Center	7:28	8:28	9:28

Entering Data Manually (simple) & Airtable (from Excel or G Sheets)

Bus Route Map Making Options

Options to Create Bus Route Maps

1. MyMaps

2. MS Publisher - graphic with local points of interest

+ CREATE A NEW MAP

Untitled map
Apr 10, 2022 €

Google My Maps

3. Interactive Map *clickable* route map with published *GTFS*



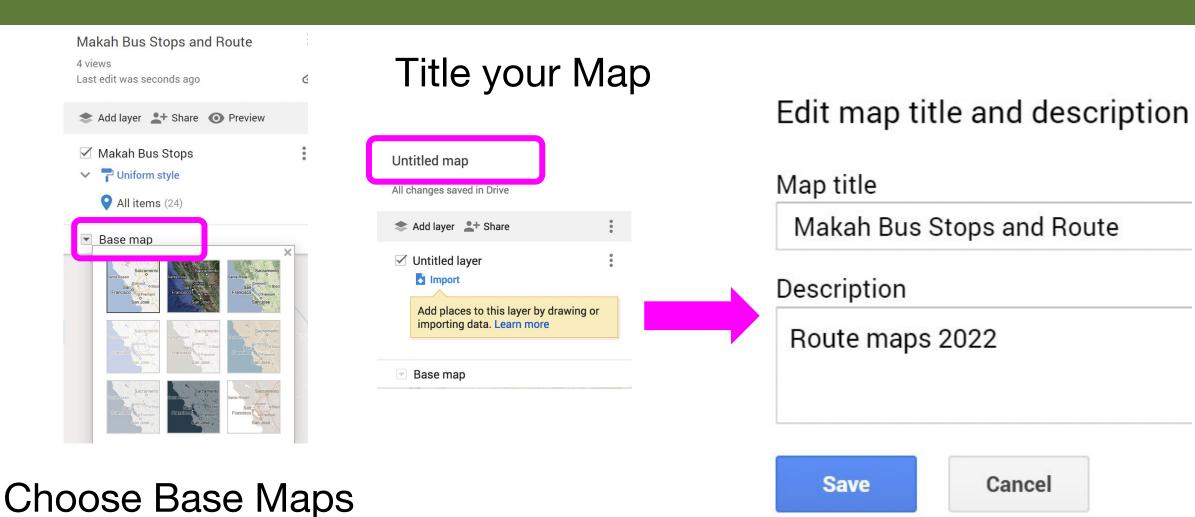


Option 1: MyMaps

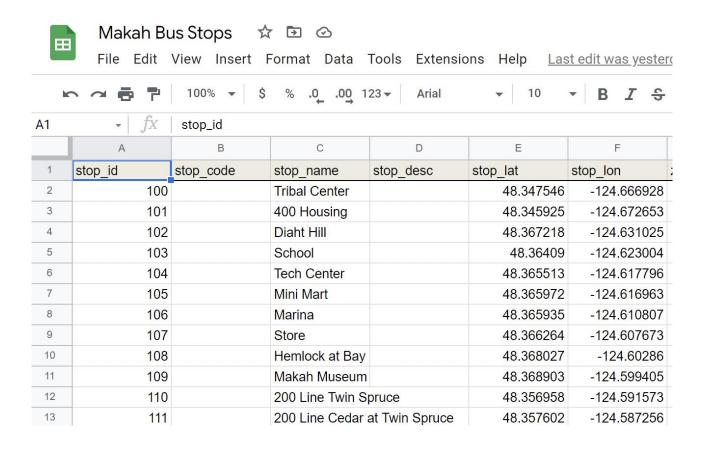
Live Demo MyMaps (mymaps.google.com, w/ Google acct)

- Bus stop list with address or latitude and longitude (optional & saves time)
- Establish route
 - using the "driving directions" tool or input a kml file
 - Trace the route with a line
- Limitations
 - Color palette is not infinite
 - Ten layers per map
 - kml file may exceed app capacity

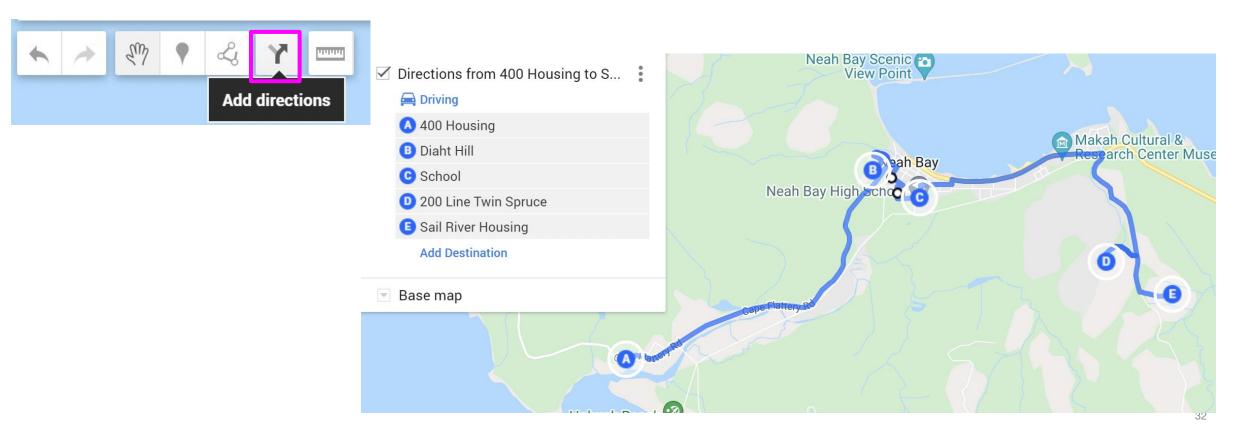
MyMaps: Create New Map visit mymaps.google.com



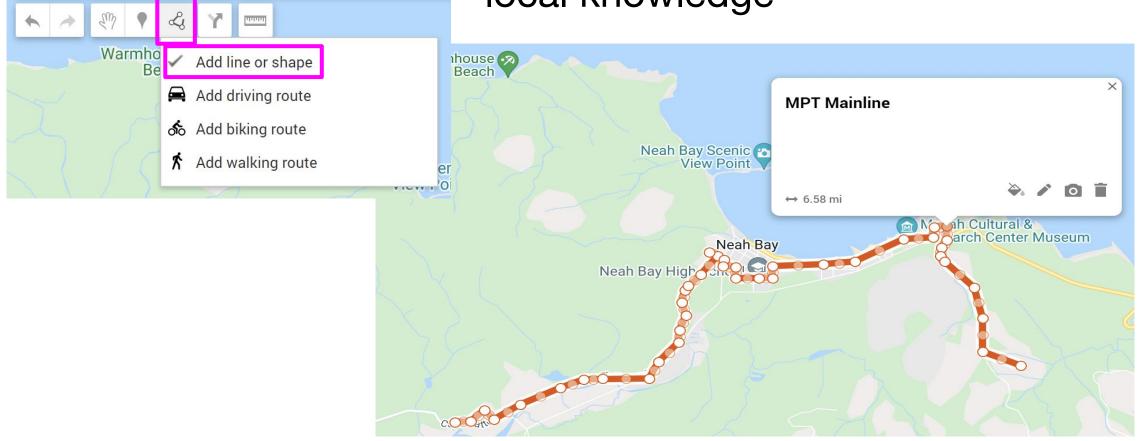
Google Sheets: If available latitude and longitude of bus stops



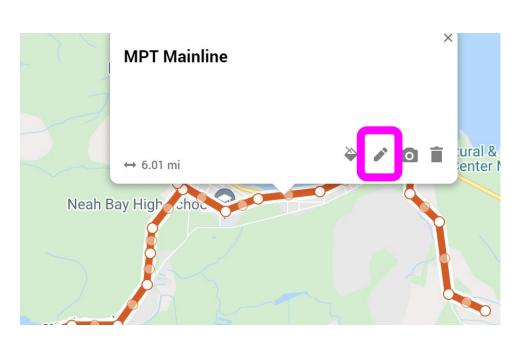
Choose Driving Directions: Sketches the route on the road (from stops or places)

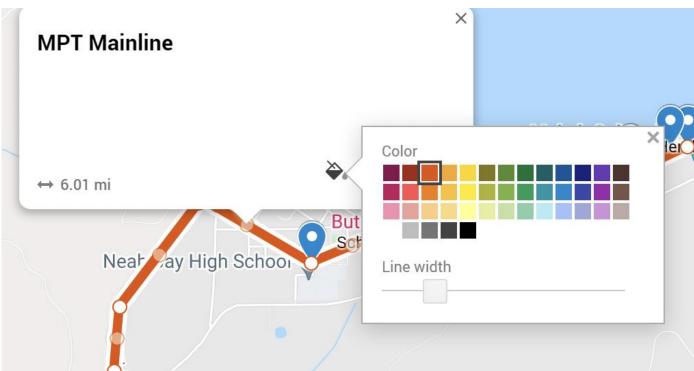


Add New Map Layer: Trace Driving Directions: Or draw from your local knowledge

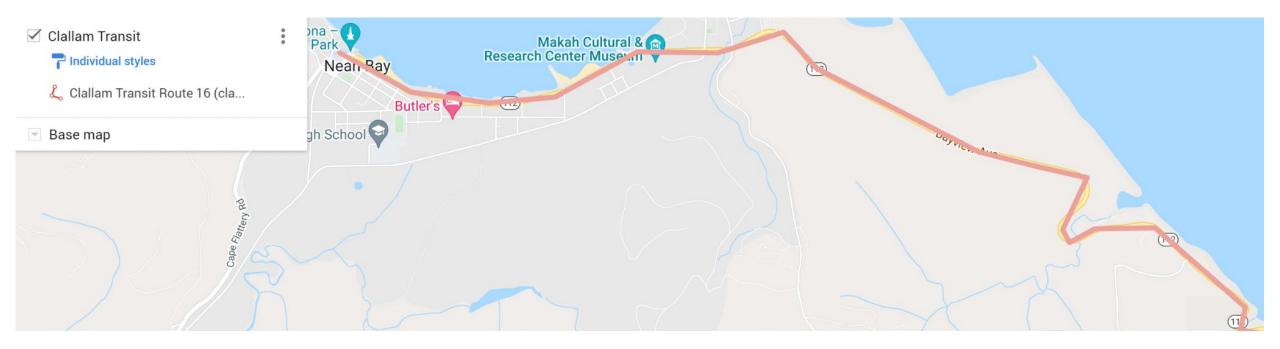


Select the "pencil" to edit line & fill-box for color, line width





Draw lines for other routes or Inter-agency routes & map layers - Clallam Transit connects to Makah Public Transit



MyMaps: System/Inter-agency Map



36

Clallam Transit Rt 16 (to Forks)

MyMaps: Timetable with System Map

Makah Public Transit – System Map



Proposed Route 3

Clallam Transit Rt 16 (to Forks)

Weekdays

Tribal Center		7:55	8:55
400 Housing	7:00	8:00	9:00
Diaht Hill	7:08	8:08	9:08
School	7:13	8:13	9:13
Store - Washburns Parking Lot	7:15	8:15	9:15
200 Line Twin Spruce	7:23	8:23	9:23
Sail River Housing	7:27	8:27	9:27
Wellness Center	7:28	8:28	9:28
Head Start	7:30	8:30	9:30
Housing Authority	7:31	8:31	9:31
East Nursery at Shelter	7:33	8:33	9:33
Store - Washburns Parking Lot	7:35	8:35	9:35
School	7:40	8:40	9:40
Senior Center	7:45	8:45	9:45
Clinic		8:47	9:47
Diaht Hill	7:50	8:50	9:50
Tribal Center	7:55	8:55	9:55

For more information call:

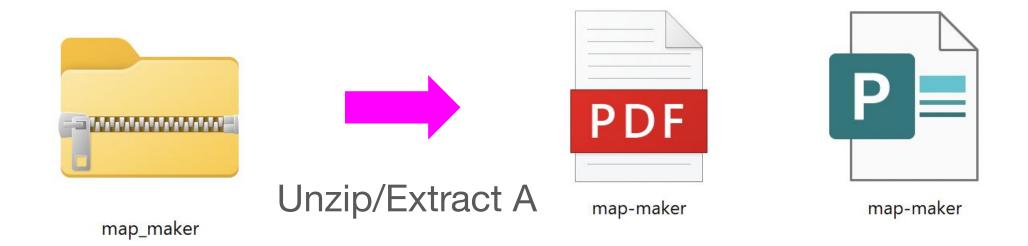
Updated: (date)

Option 2: MS Publisher

Live Demo: MS Publisher

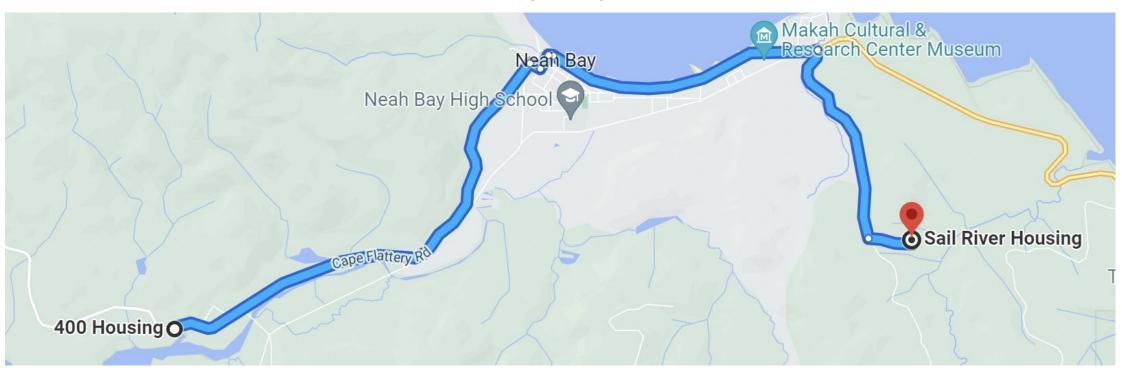
- Unzip MS Publisher Template
- Draw start to end (Driving Directions)
- Trace the route (a sketch) or just representation
- Add key road names, road sign, stops, times, and legend
- Limitations
 - May be a separate purchase for new versions of MS Office.
 - May be more graphic than to scale

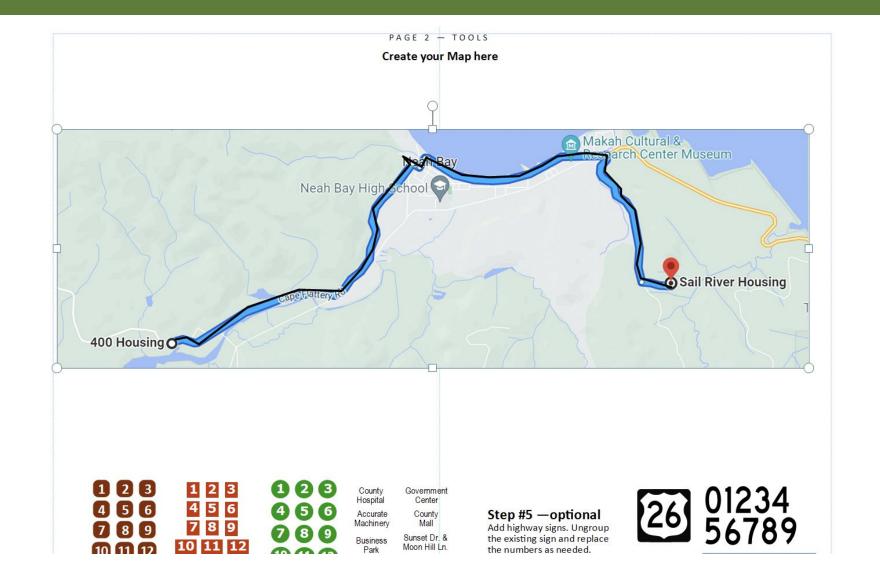
Map_maker: Template to Sketch Route, add features

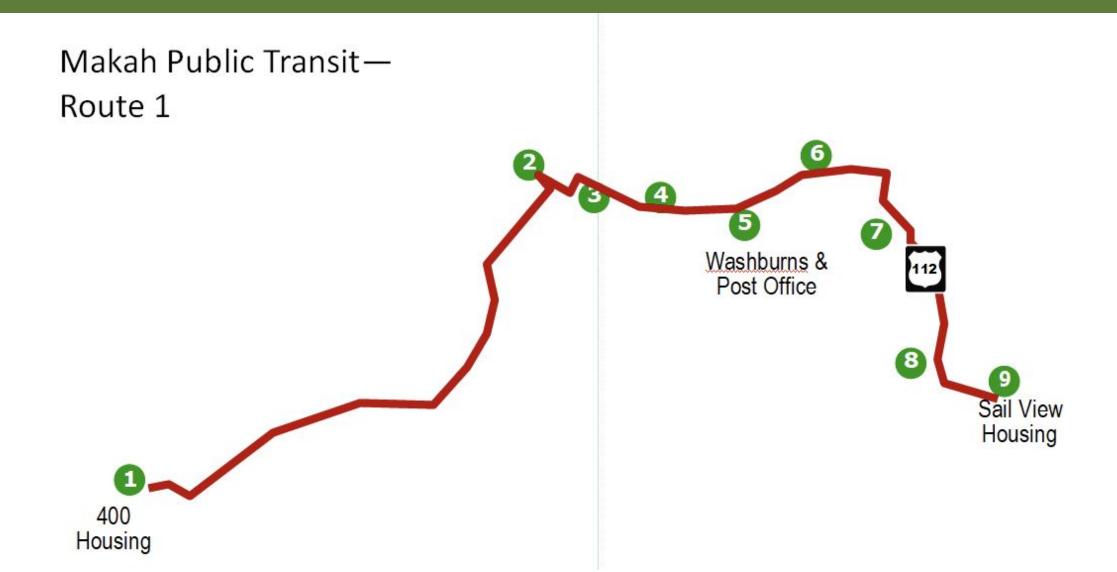


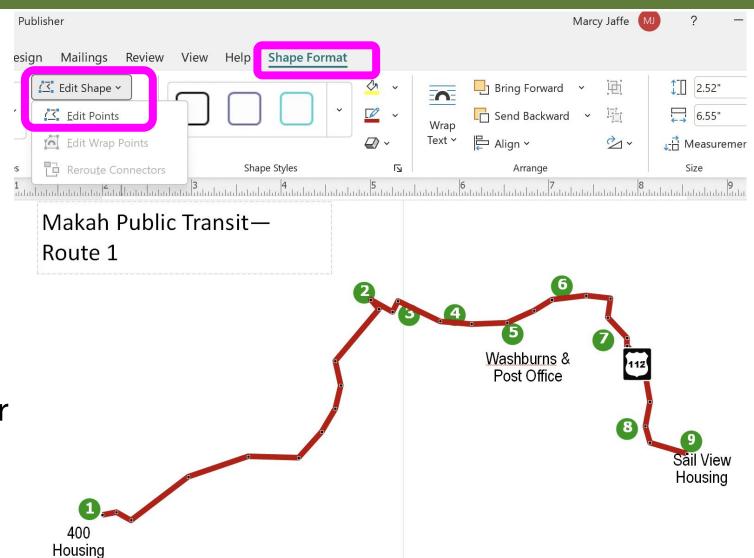
https://irp.cdn-website.com/270961f6/files/uploaded/Customizing Templates in Microsoft Publisher.pdf

Google Maps Driving Directions (maps.google.com)



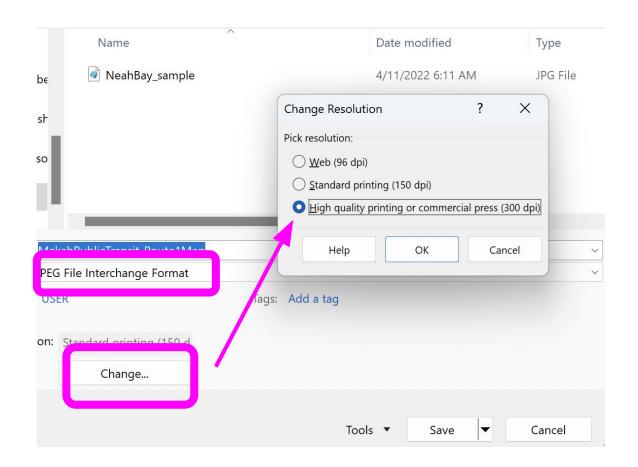






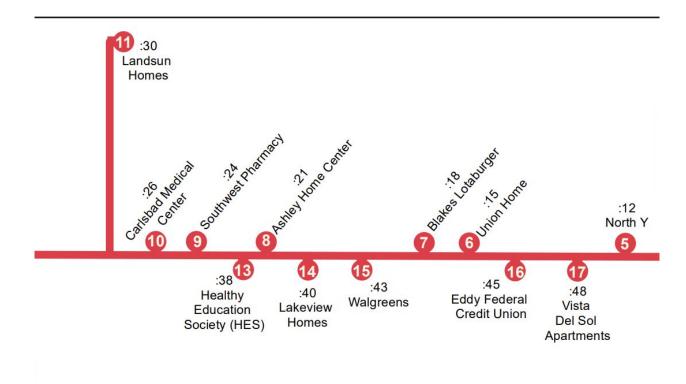
Save as jpeg for scaling, etc

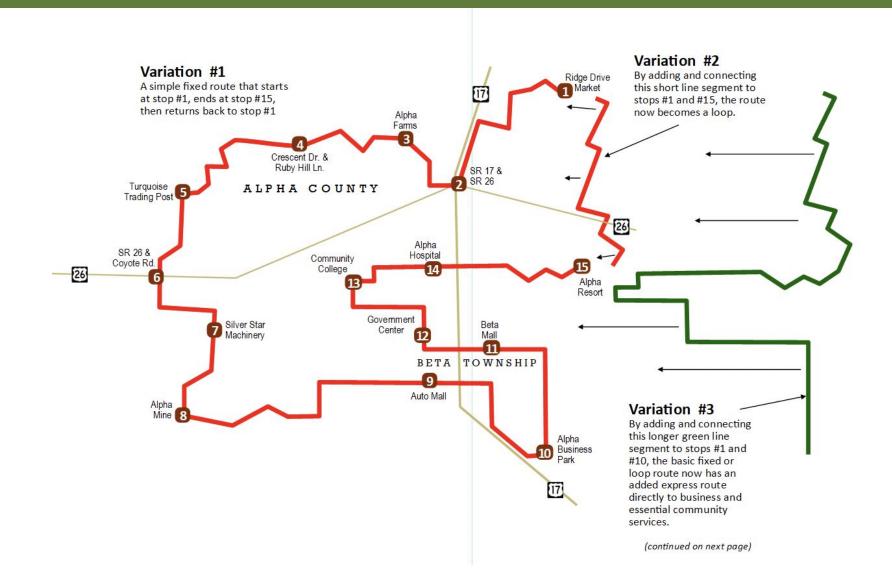
- 1. Select all elements of your map & named places, etc
- 2. On the File menu, click Save As.
- 3. In the File Type drop down, select JPEG File Interchange Format.
- 4. Change... High quality.
- 5. Save the file to a location you'll remember.



Sample Schematic
Map with departure
times at numbered
stops

Carlsbad Transit Fixed Route



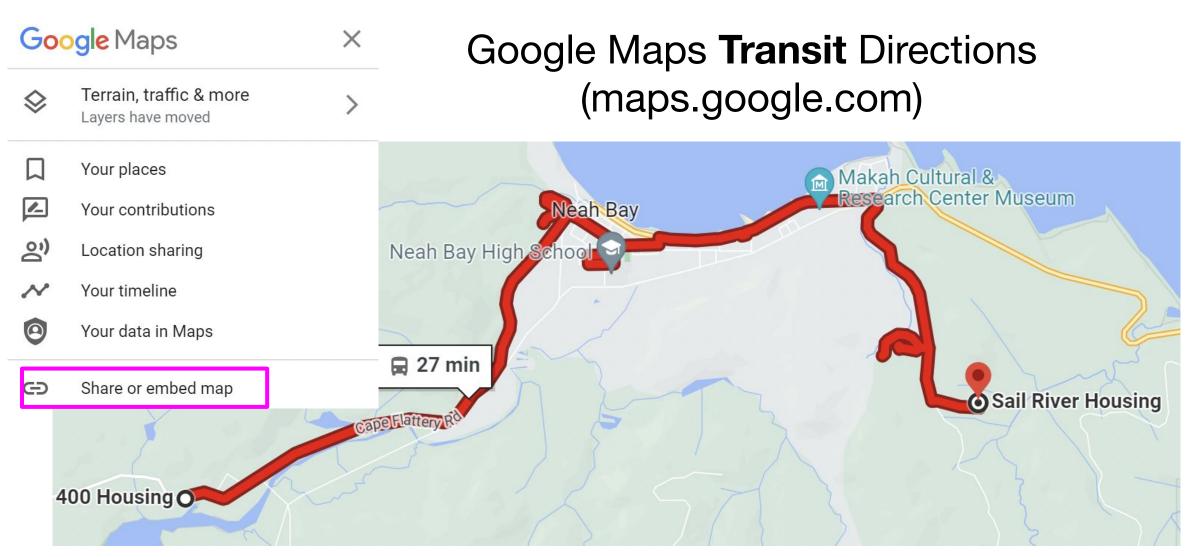


Option 3: Trip Plan "Live" Route

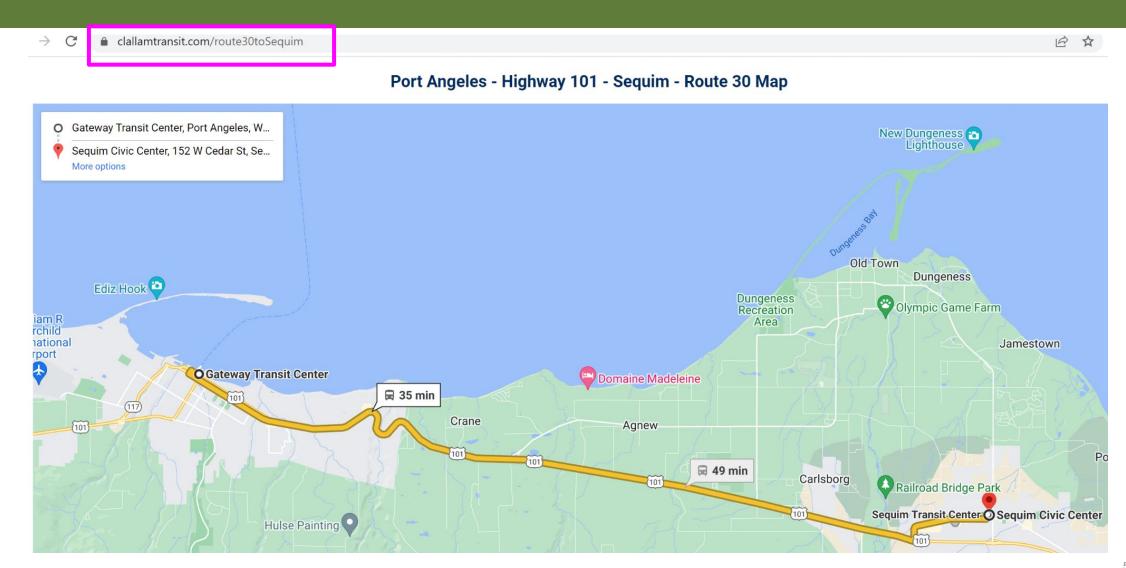
Live Demo Interactive Map: GTFS Builder - Published Route

- Route shapes displays the bus route on the roads
- Route shape can be any color (match website)
- Easy to modify as routes are updated
- Limitations
 - Requires publishing GTFS feed with optional "route shapes"
 - Loop routes may not display as desired

Interactive Route Map



Interactive Route Map



Import Route Map Image or Embed iFrame to Website

Questions?

Next steps: GTFS Builder Webinar or Download

Download and get started or join us for a deeper dive and hands-on training.

Download GTFS Builder & Guidebook from:

https://www.nationalrtap.org/Technology-Tools/GTFS-Builder/Support

GTFS: Three Steps to Online Trip Planning Training Series

May 19 & 26; June 9 (Thursdays) 1-2 EST

Upcoming Marketing Related Events

Marketing Workshop 5: Transit Passenger Research

May 24, 2:00-3:30 PM ET

Marketing Workshop 6: Improving the Passenger Experience

June 28, 2:00-3:30 PM ET

Register at: <u>nationalrtap.org/Webinars</u>

Rural Transit Day

July 16, 2022

Learn more at: nationalrtap.org/News/Rural-Transit-Day



Reach Out!

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U.S. Department of Transportation Federal Transit Administration