Maps for People Who Walk and Bike



Grand Region Pedestrian and Bicycle Committee Meeting Thursday, October 29, 2015

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- Walking ≠ Bicycling
 - Vastly different trip distances and scales
- Purpose
 - Sell a concept
 - Trip planning
 - Navigating
 - Education
 - Marketing

• Audience

- General public
- Expert



Maps lie – they distort the real word to promote a particular point of view

A good map has an aesthetic appeal that manipulates the reader into seeing the word from the map's perspective

Two General Types of Maps

- Prescriptive
 - Go here; trust me 😊
 - One size fits all
 - Simple and easy to understand
- Informational
 - This is what is here
 - You decide based on current conditions and your skills
 - Complex and can be overwhelming
 - May not have much to show



Also hybrid maps

Your liability may increase the more prescriptive the map is



• Print

- One scale
- Ultimate control of medium
- Doesn't run out of batteries
- Short useful life
- Digital
 - Can be unlimited scale
 - Limited control of medium
 - Something unexpected will happen
 - Easy to update
 - Constantly changing



You can print a digital map and post a printed map on-line

Both have their place – don't see either going away



Kiosk Version



Web Page Version



Google Maps Version





- So where are you walking or biking to?
- Can you see to the level you need to make a decision
- Maps are designed for different uses and may be sequential
 - An overview may help you pick a route or tour
 - A detailed map may help you navigate the actual route















MDOT Regional Bike Maps

- Informational
- Requires sourcing a number of different GIS datasets
- Challenging to maintain
- Dual purpose map
 - Promote bicycling
 - Identify gaps
- Uses "stop light" color scheme to for traffic



Is a multi-county map really a useful scale for navigation by bicycle?

NO! Better for trip planning and a foundation for planning



Russell St W Eudid St Samt Aubin St Hath St Û Z Harry Ford Hospital Medoury St and Linwood 3 bic Fue La Salla Park Sant Antoine St EFERNSI Q. Bursh St Grand River Ave Rosa Parks Blvd Debrowiski Part ichigan h W Grand Blvd H The Detroit E Canfield St McGrawSt requindre Detroit Public Weyne Step University Library Elshop Part D. Н Hand Hapta ٥ Denote Marchael -1 75 1.94 Service Dr Detroit Receiving Hospital Mack Ave 0 H Η W Watten Ave N-10 Service 2nd Ave 8 3rd St Н Childrens L75 Service Dr Onean D toints! of 1 countration DOWN W Forest Ave rumbul Mi-chip ap Easturn Brush St. Market (0) Selden St UP. 0 John R St Russes Woodward Ave Orchestre Hall Dup lessed Ŵ Grand River Ave W Warren Ave Park Buchanan St Mack Ave Vimewood St. 2nd Ave Cass 3id St Gratiot Ave Z an altitud on inach H Mayoury Martin Luther King & Blvd Ŷ 66 1-TS Service Dr Aurora Hospital Sak Park Grand 0 MotorCity Casino Temple St 24m St 2 Buchanan St ٨ CB. Magnill Ph 3 Scotten 4 5 Michigan Isaath Herry Dr 百 U. 8 (D) Q 15151 0 Bagley St ۵ 🔤 Even with detailed inset maps it 173 State St 12 Posa Parks can be difficult to show (8) 1400 51 everything you want to show Trumbull St 13 By em St BagleySt No d Blud 9 DAVO 8 151

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St. Clair Bridge to Bay Trail

- Needs to show the existing trail and suggested routes where there is a gap in the trail
- Also highlights points of interest along the way
- Is a county too large a scale to be useful when it comes to navigating?
 - Probably
 - Would require a large map



Lake Huron Extension







- Brand new!
- Informational map
- City scales on the front and county on the back
- Would you hang this on the wall in your back hall?
 - Nice map for other things as well
- Is it useful to plot out a route to an unfamiliar destination?
- Would you carry this with you when you bike around town?







Springboro Pocket Bike Map

- Size of a Credit Card
- Hybrid Prescriptive and Informational Map
- Designed for easy access and reference while on a bike ride
 - Small, not to hard to handle in the wind
 - Cheep not a big deal to update, city is adding new facilities each year
- Will complement signed bike route system



Uses a graphic legend





gnated lane for bicycles to travel e same direction as motor eles. Pavement striping, markings signs are used to identify the lane. When riding on a street, a ed bike lane is usually the safest e for a cyclist to ride.

ment markings that indicate both cars and bikes should e the roadway. Sharrows show ecommended lane position



Downtown Flint Walking Map

- Purpose was to show people that all of the key destinations are actually within walking distance
- Also wanted to promote local businesses
- Highlights key destinations
- Color coded by district
- Provides walking times and distances for each segment of the recommended route





Approximate Walking Times and Distances





Why Not Just Google It?

- Bike map recently got much better
 - Trails
 - Dirt/unpaved trails (new)
 - Dedicated lanes
 - Bicycle-friendly roads
- Often Not Accurate, relies on citizen editors
- Limited Detail



Getting your Google Map up to date Should be a priority

Use Google Map Maker to get your routes on Google Maps

Familiar resource to many people



Provides a Wealth of Information

- Time
- Distance
- Grade
- Options
- Turn-by-turn directions
- Easy to print
- If there is good data will get good results



Сус	ling directions	÷.	×
	via W Washington St tly flat [·] Hide bike paths		9 min 5 miles
Lin	caution - may involve errors or sections not su wood Ave Arbor, MI 48103	ited for bicy	cling
t	Head southeast on Linwood Ave toward N P Blvd 0.3 mi	≷evena	
r*	Turn right onto Arbana Dr 476 ft		
٦	Turn left onto I-94BUS S 322 ft		



- You have an army of people at your disposal
- Lots of options
- Can integrate your own information as part of the background map
- Good way to identify problem areas
- Need to verify information
- Can be expanded to a discussion of what is missing as well



The Huron River Water Trail is a 104-mile (167 km) inland paddling trail connecting people to the river's natural environment, its history and the communities it touches in Michigan's Lower Peninsula. Please share your experience of the river below and let us know what could be done to make your next trip more enjoyable. <u>Add your</u> <u>comment to the map</u>.





- GR Walk developed by Calvin College Students
- Uses GPS to pull up content
- Users select tours then download files





Powntown Historical Riverwalk 9 15 (1) 15 (1) 10 30m

This tour gives glimpses into the historical development of life around the Grand River, including the bridges, people, and places that surround it.



- There are lots of apps available that track running, walking and bicycling routes
 - Strava
 - MapMyWalk (Run, Ride, Fitness)
- Many of these apps provide information on distance, direction, grade, and time
- Google My Maps may also be used to map out a route





- 1 mile walk/20 minutes
- 2 mile walk/40 minutes





MLK PARK AND BAXTER COMMUNITY CENTER (2 MILES)

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- Safety Information
- Photographs
- Tourist Information
- Detailed inset maps
- Information on local walking and bicycling clubs
- Links to other online resources



Kearsley Park



- Not everyone will have a printed map or a phone app handy
- Excellent way to introduce a system
- Place strategically and link to resources





Need to balance the quality and durability of the presentation against the lifespan of the map. Systems that use a frame facilitate easy updates.



- The underlying data is the key to all maps
- Updating and managing the data is the biggest challenge
- Local is where it is at
- Print vs. digital is not an either or question
- Make it attractive
- Make it useful
- Keep it current
- Capitalize on existing resources

ROOSEVELT PARK



Golden Shoe W	alking Routes
1.6 mile walk/30 minutes	🕺 🗮 🙆
1.2 mile walk/25 minutes	🕺 🗮 🚳
-	
1	
PDF Map (E	nglish)

A Proposal for Your Consideration

This group, via its agency updates, could be the keeper of data via on-line Google Maps.

This data is accessible and may be downloaded by anyone. A few designated individuals could have editing privileges.

Questions?



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