

Urban & Regional Planning Program Michigan State University UP 494/894 Planning Practicum









GrandWalk Trail Planning & Development Study Kent County, MI

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Spring 2007



Introduction to GrandWalk Trail Study



<u>Clients</u>

Rick Chapla - The Right Place Inc.

Carol Townsend - MSU Kent County Extension

Project Purpose

Develop and analyze a GrandWalk area community profile

Identify challenges to planning and building a non-motorized trail and propose solutions to overcome them

Propose an ideal route for a trail in relation to area characteristics

Assess the impact of a trail on the community

Propose an implementation strategy for a trail

GrandWalk Paper Practicum Topics

Profile of GrandWalk

History of GrandWalk Socio-economic and Business profile Land and infrastructure inventory

Recreational Context and Planning Objectives

Master/Recreation Plans and Policy

Legal Requirements, Liability and Construction Standards

Trail planning and construction challenges Parcel acquisition procedure Construction along an active railroad, next to water, at intersections Trail Standards and Materials Safety and Liability Concerns

Case Studies

Trail Impact on Property Value and Crime – Case Studies

Recommendations

Trail location, phases of development, access points, amenities Estimated Cost of Parcel Acquisition Trail Financing Options Stakeholders

Questions to be Addressed



- What is GrandWalk and how is the proposed trail a tool to redevelop the area?
- 2. What would be the **benefit** of building the trail?
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- 5. What is the proposed **location** of the trail? How would development be **phased**? What **amenities** could be included?
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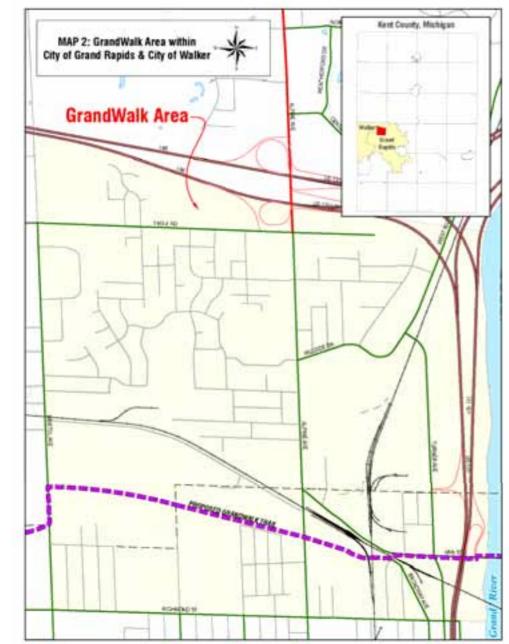


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GrandWalk Boundaries









GrandWalk History

- Area settled in 1830s
- Historic industries: lumber, gypsum mining, oil, gravel pits and wagon construction





- First mill stones Public Museum of Grand Rapids
- Indian Mill Creek scrip labor





GrandWalk Socio-economic Profile



Age distribution

	GrandWalk			
Age	2000	%	1990- 2000 Change	
Under 5	644	7.53%	37.31%	
5 to 9	664	7.76%	55.87%	
10 to 14	627	7.33%	50.72%	
15 - 19	523	6.12%	9.87%	
20 - 29	1,600	18.71%	19.76%	
30 - 39	1,393	16.29%	17.65%	
40 - 49	1,218	14.24%	39.20%	
50 - 59	805	9.41%	28.18%	
60 - 64	264	3.09%	-13.44%	
Over 65	814	9.52%	-19.72%	

2000 Median age

Low household size

• 1,833 acres

• 4812 residents

Increasing number of young

• 32 years old - median age

people/nearly 30% of population

	2000	
GrandWalk	32.15	
Grand Rapids	30.4	
Walker	32.4	
Kent County	32.6	
Michigan	35.5	

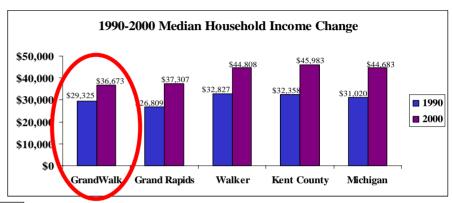
Household size

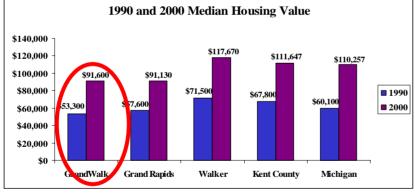
	1990	2000	% Change
GrandWalk	2.98	2.48	-16.78%
Michigan	3.16	2.56	-18.99%
Kent County	3.2	2.64	-17.50%
Grand Rapids	3.2	2.57	-19.69%
Walker	3.16	2.45	-22.47%

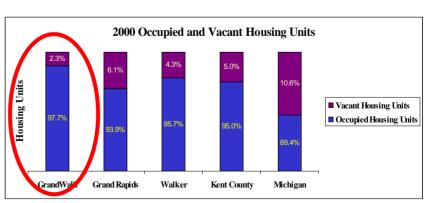


GrandWalk Socio-economic Profile

- Low median household income
- Low median housing value
- Low vacancy rate
- 16% of working population travel less than 10 min. to work









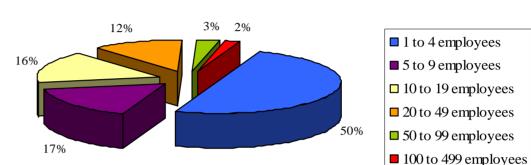
GrandWalk Business Profile



Approx. 380 businesses

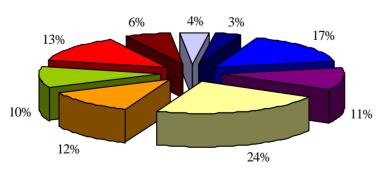
Small businesses

- 67% with less than 10 employees
- 52% with less than\$249,000 sales volume



Distribution of Local Businesses by Size

2005 Sales Volume





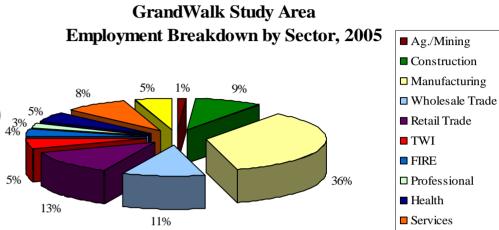


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GrandWalk Business Profile

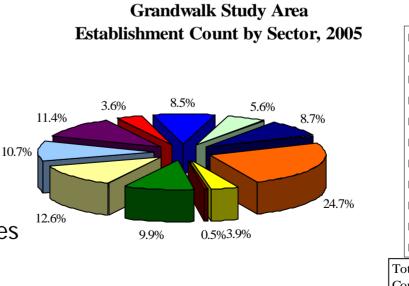


• Major economic sectors: Manufacturing (36% of employees), Retail trade (13%), Wholesale trade (11%) and Services (8%)



Strong economic sectors:

- Building Materials Dealers
- Non-store Retailers
- Educational Services
- Performing Arts
- Spectator Sports
- Waste Management
- Rental and Leasing Services





□ Food services

GrandWalk Business Profile







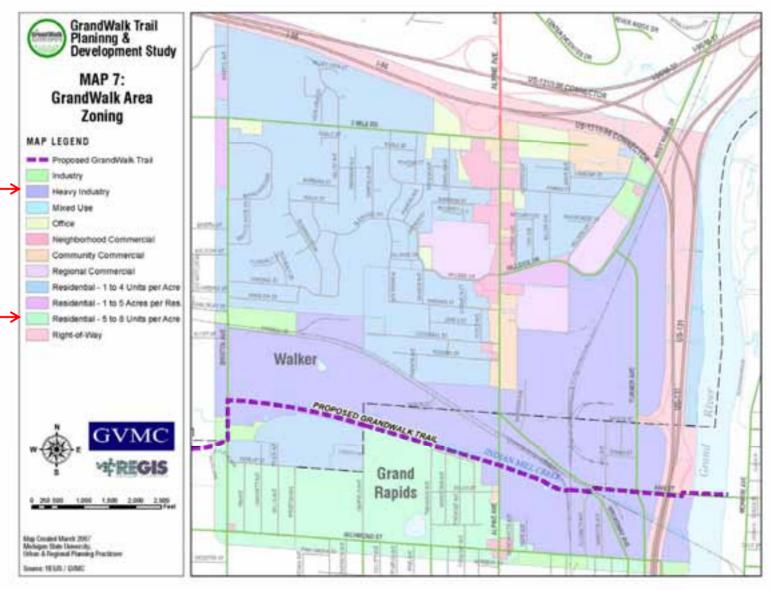




GrandWalk Zoning Map



Proposed GrandWalk Trail - Heavy Industrial and Residential Areas



GrandWalk Business Profile Implications

- Large number of salvage yards adjacent to the proposed route of the trail
- Recreational and entertainment opportunities: DeltaPlex Theater, Richmond and Riverside Park
- Proximity to downtown Grand Rapids and Walker
- Opportunity for growth in trail tourism industry connection with existing trails

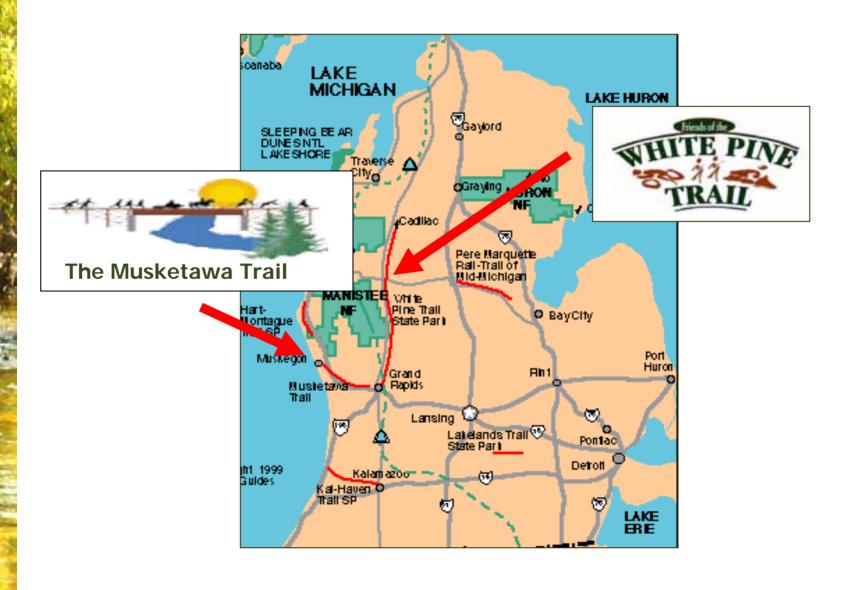






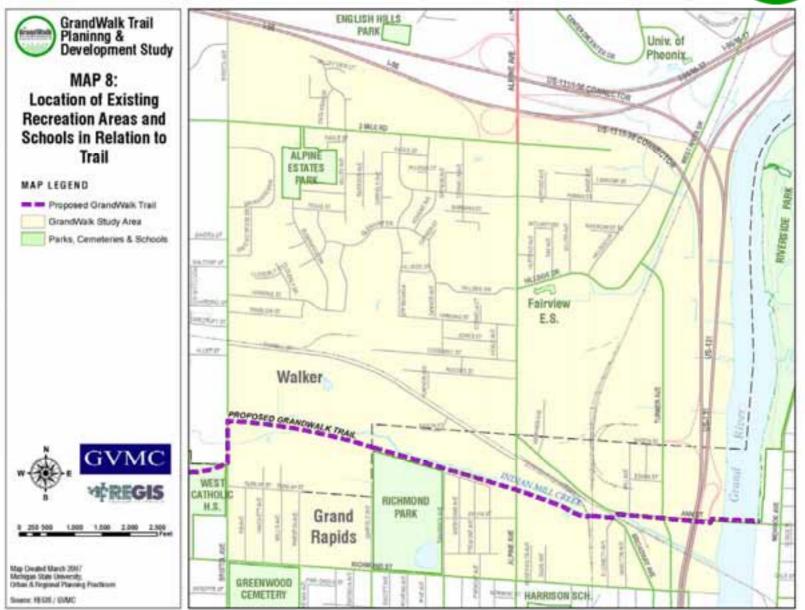
Proposed GrandWalk Trail Connections





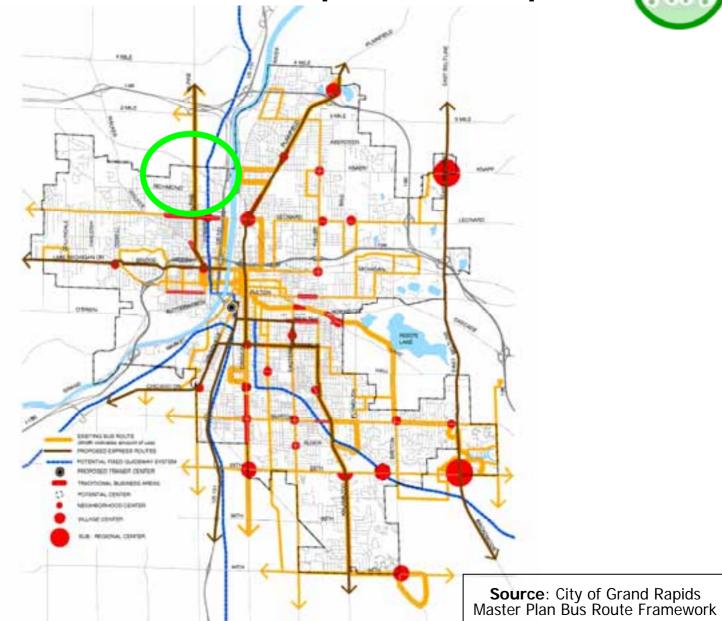
GrandWalk Parks and Schools





GrandWalk - Public Transportation Map







 What is GrandWalk and how is the proposed trail a tool to redevelop the area?

2. What would be the **benefit** of building the trail?

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Proposed GrandWalk Trail Benefits

<u>Recreation</u> - access to, and link between Richmond and Riverside Parks

Health - trails associated with decreased obesity rates

Youth - education, exercise, safe school routes

Enhancement of natural resources -Indian Mill Creek environmental awareness, salmon population

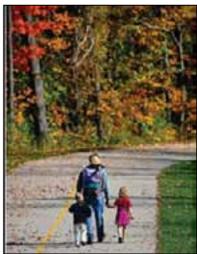
Economic - area revitalization

<u>**Transportation</u></u> - non-motorized alternatives, connect two regional trail systems**</u>



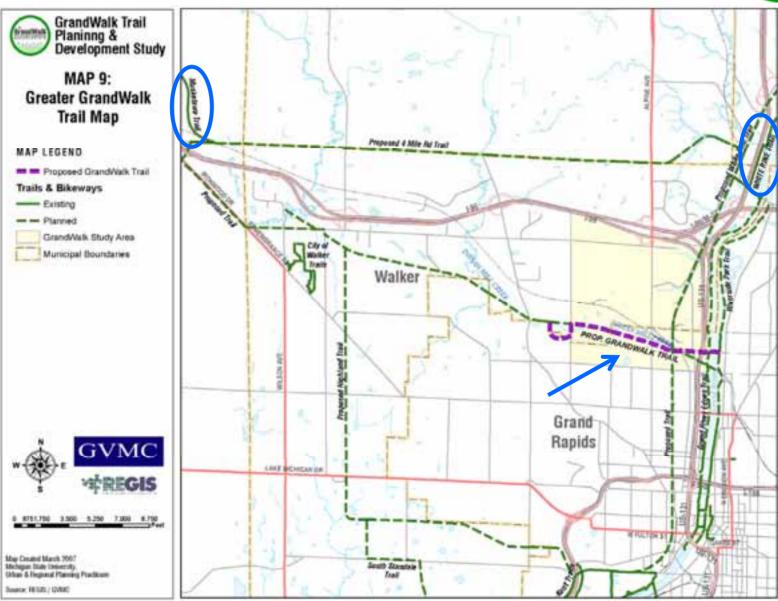






Greater GrandWalk Trail Map







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Community Support – Stakeholders



Residents and Landowners alongside the proposed trail

Community Organizations

- West Grand Neighborhood Organization
- Steepletown Youth Group

Advocacy Groups

- Friends of Indian Mill Creek
- Friends of Walker Highland Trails
- Friends of White Pine Trail and Musketawa Trail

Municipalities

- Grand Rapids and Walker Planning and Engineering Depts.
- Recreation Depts., Drain Commissioner
- Kent Co. Parks & Rec. Dept., DNR, MDOT
- West MI Strategic Alliance, West MI Trails and Greenways

Community Support – <u>City of Grand Rapids</u> Plans

Parks Plan

- Increase recreational benefits
- Encourage connectivity
- Linkages with parks system
- Walkability lack of policy

Master Plan

Theme of Balanced Transportation

- Reduce auto dependency/ increase non-motorized trans.
- Preserve natural areas
- Increase mobility and access

Community Support – <u>City of Walker</u> Plans

Parks Plan

- Explicit connections
- System of trails
- Multi-modal transportation
- Increase recreation

Master Plan

Neighborhood Section

- Neighborhood connectivity and "livability"
- Neighborhoods expanded recreational opportunities

Community Support – <u>Kent County</u>

Kent County Parks Plan

- MSU Recreation Needs
 Assessment
- Working Draft to be updated summer 2007



United Growth for Kent Co.

- Connect neighborhoods
- Encourage development that utilizes existing infrastructure



Community Support – West Michigan

West MI Strategic Alliance

- 25 year-plan
- Integrate park access/green infrastructure into urban neighborhoods



Trails & Greenways Coalition

• Goal: 510 miles of trail network



Community Support – State

State Long Range Plan

- Limited MDOT control of non-motorized facilities
- 1,428 mi. of trails 1st in Nation (2005)
- Transportation Enhancement Fund

Land Use Leadership Council

• Encourage state-wide trail system



Community Support – Federal

SAFETEA-LU - Transportation Legislation

- Increase inter-modal connectivity
- Streamline government
- \$370 million through 2009 for recreational trails

Safe Routes to School

• Encourage/Enable walking and biking to school

SAFETEA-LU Safe Accountable Decisie Efficient Trensportation Equity Act A Legacy for Users



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Property Owner Concerns

- Private Liability Concerns
- Impact on Crime

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Impact on Property Value

Construction Challenges

- Intersection with Roadways
- Intersections with Railroads
- Adjacent to Water





Property Owner Concerns

- Private Liability Concerns
 - Trespassing
 - Noise

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- Litter
- Impact on Crime
- Impact on Property Value





Private Liability Concerns

Types of Property Owner Concern

- Trespassing
- Duty of Care

Protections

- Recreational Use Statutes Michigan Natural Resource and Environmental Protection Act
- Easements
- Insurance Policies

Conclusions

- No liability landowner liability adjacent to trail
- No need for landowner to purchase additional insurance



Impact on Crime

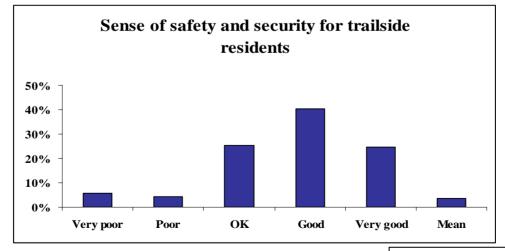
Case Studies

- Omaha Recreational Trail, NE
- Pinellas Trail, FL
- Pere Marquette Trail, MI

Conclusions

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- No adverse impact on safety or security
- Crime rates not statistically different



Source: Pere Marquette Trail Case Study, Michigan State University

Impact on Property Value

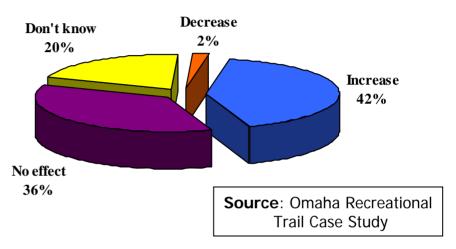


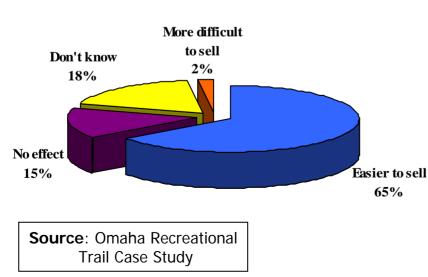
Impact of Trail on Selling Price

Case Studies

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- Omaha Recreational Trail, NE
- Pinellas Trail, FL
- Pere Marquette Trail, MI
- Minuteman Bikeway and Nashua River Trail Run, MA





Impact of Trails on Selling Home

Conclusions

- Majority residents felt no impact on value
- Many felt increased value
- Houses near trail sold twice as fast as other
- Positively influence purchase decision





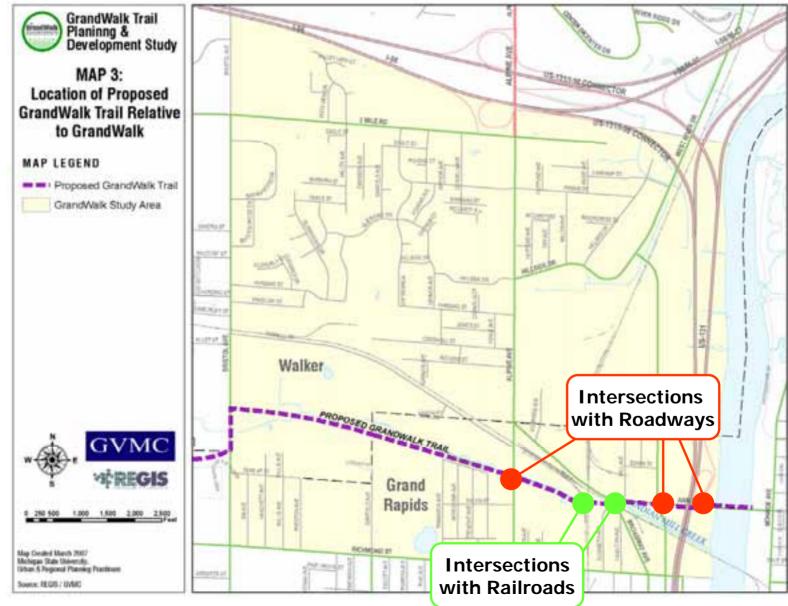
- Intersection with Roadways
- Intersections with Railroads
- Adjacent to Water











Intersections with Roadways

- Raised crosswalk or intersection
- Signage, crossing devices
- Refuge islands
- Overpass









Intersections with Railroads

Easements not granted along active rail – CSX Crossing a Railroad:

- Overpass
- Sunken
- At-grade

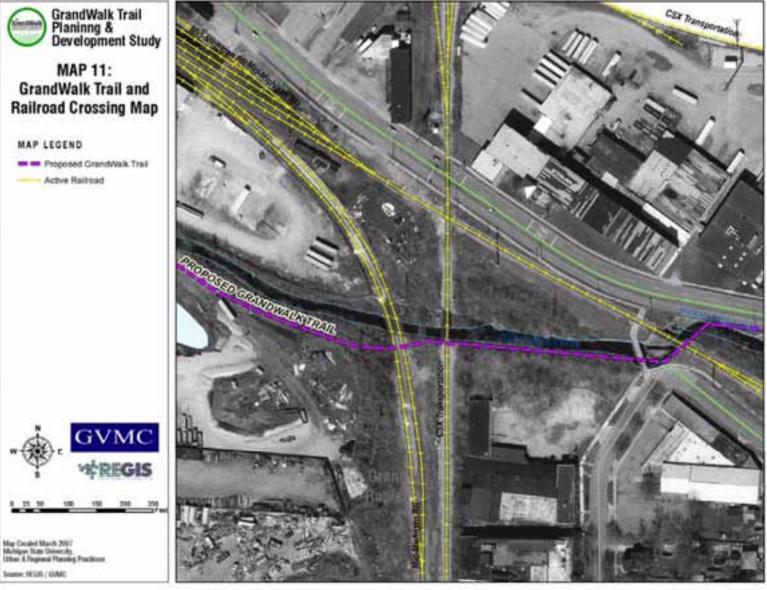












Proposed Trail Planning Challenges

Gra

Adjacent to Water

• Indian Mill Creek within study area, not a classified drain



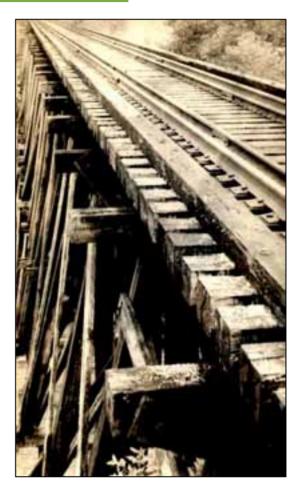


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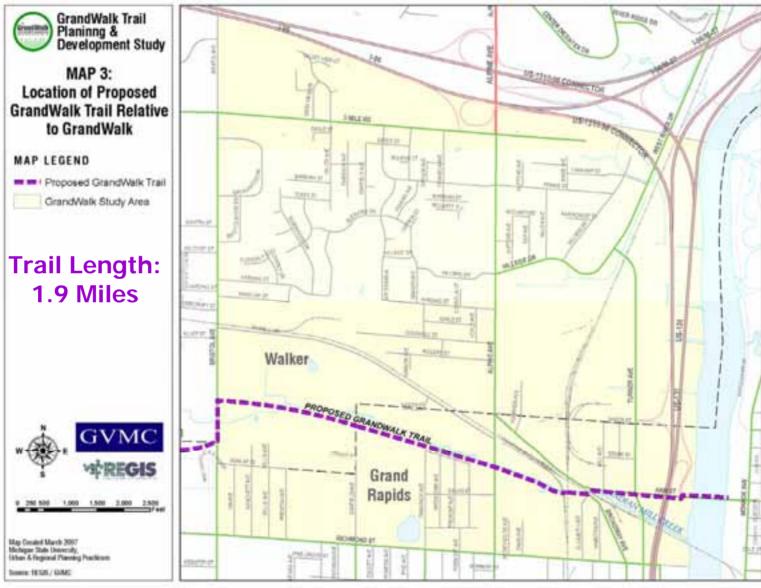


Elements Considered for Locating the Trail

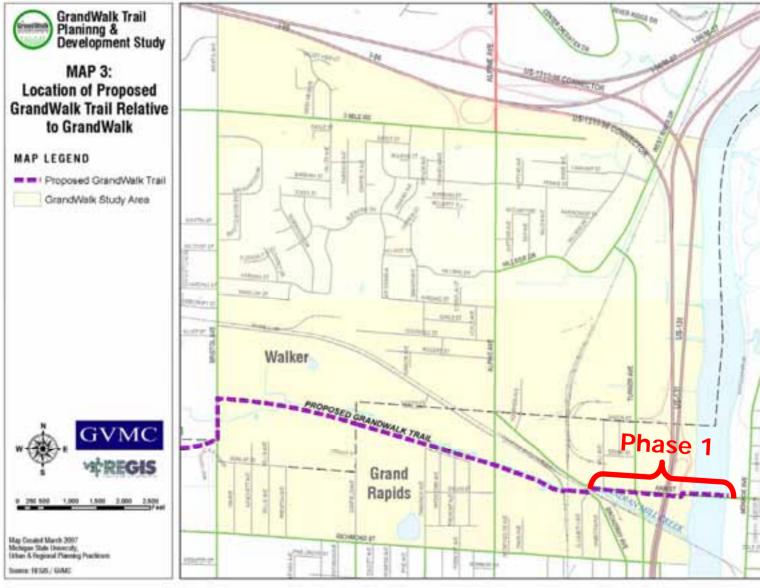
- 1. Safety
- 2. Cost
- 3. Existing Infrastructure
- 4. Connections with Other Trails
- 5. Trail Accommodations
- 6. Connections with Community

















- Start: Southernmost point of Riverside Park access point
- Cross to South side Ann at 131 exit - access with parking
- Intersection with Turner
- West along Ann St.- lane reduction









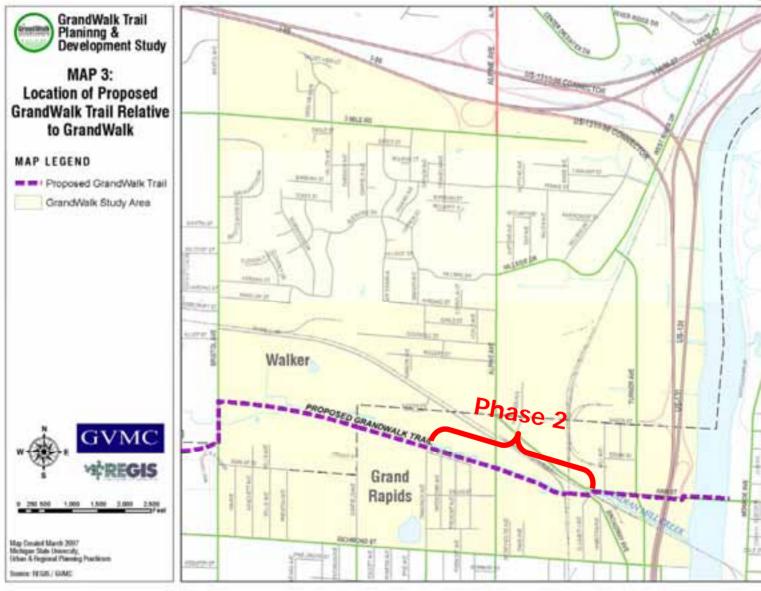
Phase 1 cont.

- Cross over railroad/pedestrian bridge to south side Indian Mill Creek access with parking
- Overpass three active railroad tracks

















Phase 2

- Continue west on south banks of Indian Mill Creek
- Overpass intersection of Alpine - access point



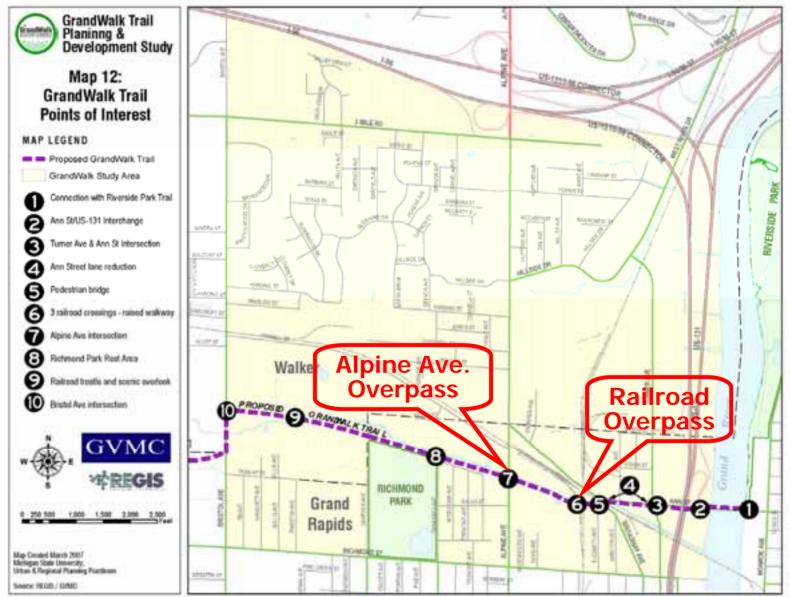




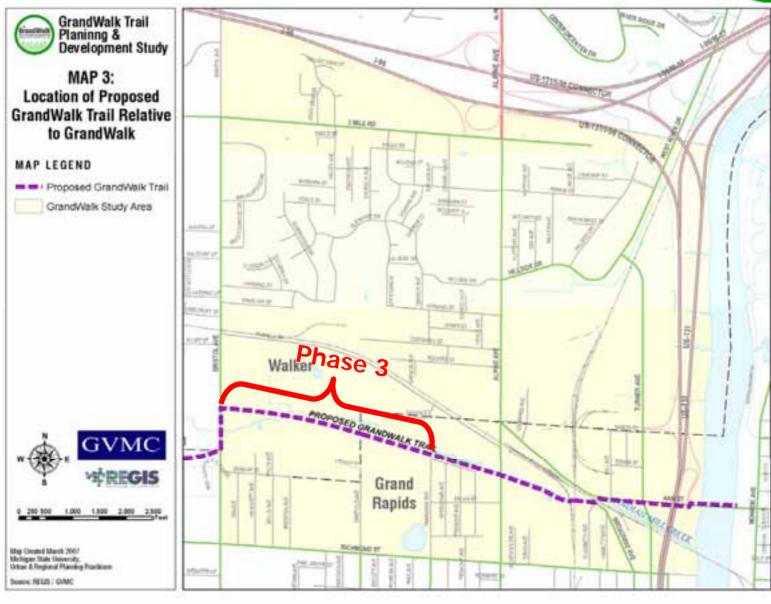
- Continue along south side of Indian Mill Creek
- Reach Richmond Park access with recreation

Proposed GrandWalk Trail Overpasses

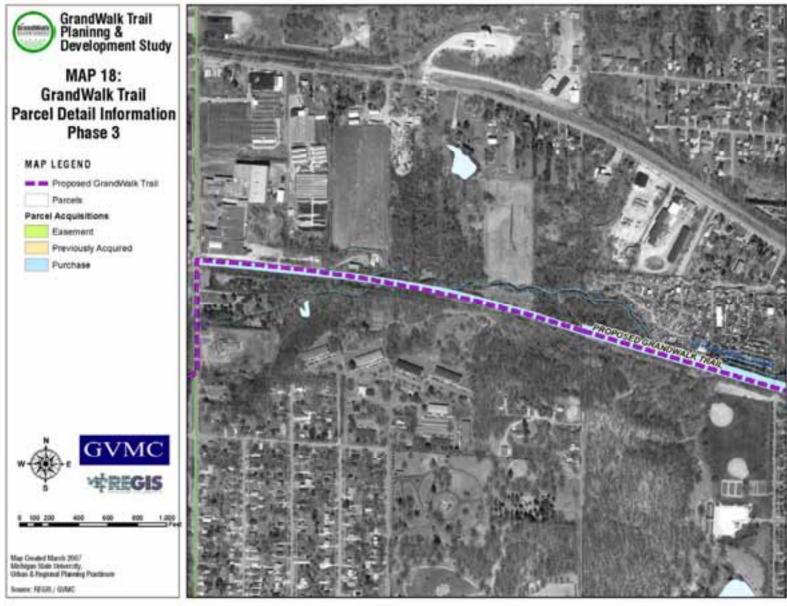














Phase 3

- Continue west on south side of Creek
- Cross over railroad trestle to north side of Creek
- Continue along abandoned
 rail corridor to Bristol



Proposed GrandWalk Trail Access Map



- Access Points
- Access and Parking
- Rest Areas

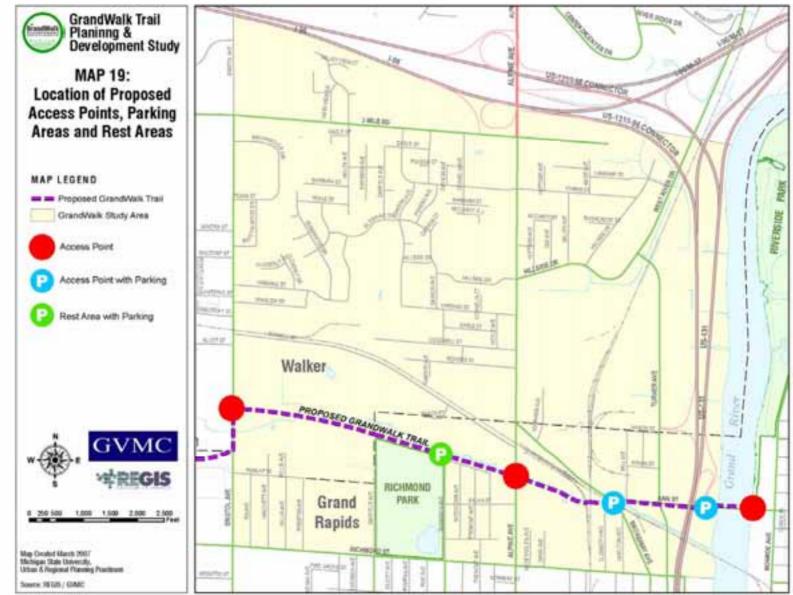






Proposed GrandWalk Trail Access Map







Proposed GrandWalk Trail Amenities

- Informative Signs
- Mill Stones (Replica)
- Overlook Deck at Trestle
- Canoe Livery
- Benches
- Bike Racks
- Drinking Fountains
- Decorative Lighting
- Disposal Wastebaskets
- Emergency Boxes









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GrandWalk Trail Parcel Acquisition



Easement – Three

- GR Eastern RR Inc.
- Consumers Energy
- Chesapeake and Ohio RR
- 5.35 acres total

Purchase – Six

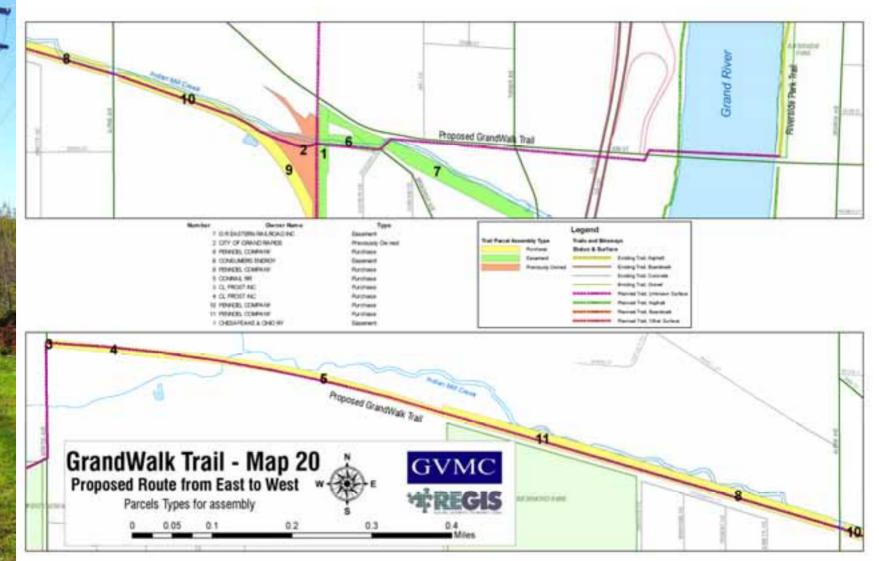
- Penndel Co. (4)
- Conrail RR
- CL Frost Inc.
- 10.49 *acres total*

Previously Owned - One

- City of Grand Rapids
- 3.35 acres total

GrandWalk Trail Parcel Acquisition







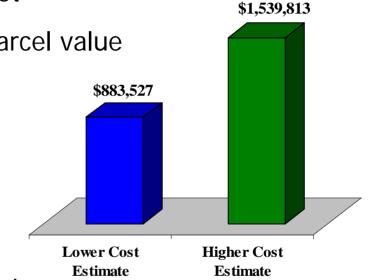
GrandWalk Trail Parcel Acquisition

Lower Cost Estimate

- Industrial \$1.50 per square foot
- Easement cost 20% of total parcel value
- Estimated total: \$883,527

Higher Cost Estimate

- Industrial \$2.50 per square foot
- Easement cost 25% of total parcel value
- Estimated total: **\$1,539,813**







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GrandWalk Trail Next Steps



- Feasibility Study information on property, environmental considerations, aesthetics, costs of alternative routes
- Parcel Acquisition funding sources include private donations, municipal funds, Michigan Natural Resources Trust Fund
- **3. Engineering** exact location, surveying, permits, grading and earth movements, environmental impacts, title issues, material and construction costs

4. Construction

5. Maintenance – Cities of Grand Rapids and Walker, "Friends of Trail" groups

GrandWalk Trail Immediate Next Steps



- Pursue Feasibility Study
 - Apply for a Transportation Enhancement Grant from MDOT
- Continue to Garner Community/Stakeholder Support



Thank you for your attention!

Questions?