



BOND
PROGRAM 2023



Trail Development

Meeting # 3
June 7, 2023

Current Trail System

- 74.5 Miles of Trails
- 45.7 Miles of Paved Trails
- 28.8 Miles of Soft Surface Trails
- 43 different park locations with trails

Challenges

- Keeping up with City growth
- High construction costs (\$1.8M - 2M/mile)
- Competitive grant processes



Benefits of Trail System



Increases connectivity and accessibility throughout the City & safe routes to schools



Integrates with new roadways planning and development



Promotes health & wellness



Economic driver and partnerships with development community



Opportunity to connect with nature



Decreases vehicular traffic by providing alternative modes of transportation (*non-motorized, pedestrian*)



Creates opportunities for specialized trails- Wildlife Crossings, Off-Road Vehicle Trails, Equestrian trails



Aligns with adopted plans:

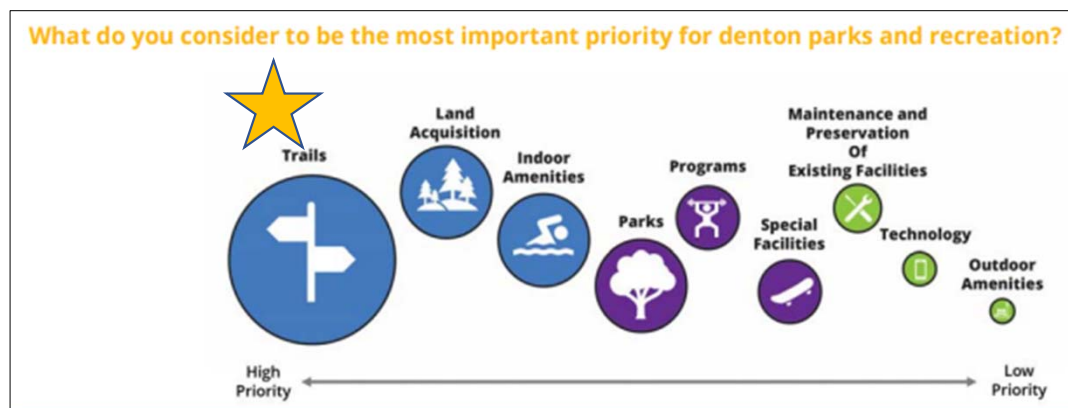
- 10-Minute Walk Initiative (2019)
- City's Mobility Plan (2022)
- Parks, Recreation, & Trails System Master Plan (2022)
- Denton 2040 Plan (2022)



Meeting the Need

Top Community Desires*

- Expand trail system with increased connectivity
- Wildlife crossings
- Acquire land to preserve and support recreation
- Bike-friendly mobility
- Safe pedestrian crossings/walkways
- Park & hike/bike trailheads
- Lightning along trail
- Calisthenic equipment along trail
- Shade along trails
- Coordinate with local partners



[\(2022 Parks, Recreation & Trails System Master Plan, page 31\)](#)



Future Trails in Need of Development

- Pecan Creek Trail Master Plan – Council Adopted (2023)
 - DCTA Rail Trail to Lewisville Lake
- Hickory Creek Trail Master Plan – Current Project (2023)
 - Old Alton Bridge to US380
- Cooper Creek Trail Extension – Future Project (2024)
 - Future Bonnie Brae Trail to Nicosia and Avondale Park east
- Powerline Easement Trails – Future Project (2023)
 - FM428 to approximately Bonnie Brae (north of Loop 288)
- Lewisville Lake Paddling Trail – Future Project (Pending TPWD Approval)
 - Partnership w/lake communities, TPWD and USACE, 100 miles in total
- Undeveloped Parkland Trail Implementation – Future Projects
 - East Lake Park, Laney Lake Park, Southwest Park, etc...
- Existing Parks Trail Extensions – Future Projects (2023/Ongoing)
 - Denia Park, Joe Skiles Park, Northpointe, Eagle Creek Park, Mountain Bike Trails, North Lakes Park

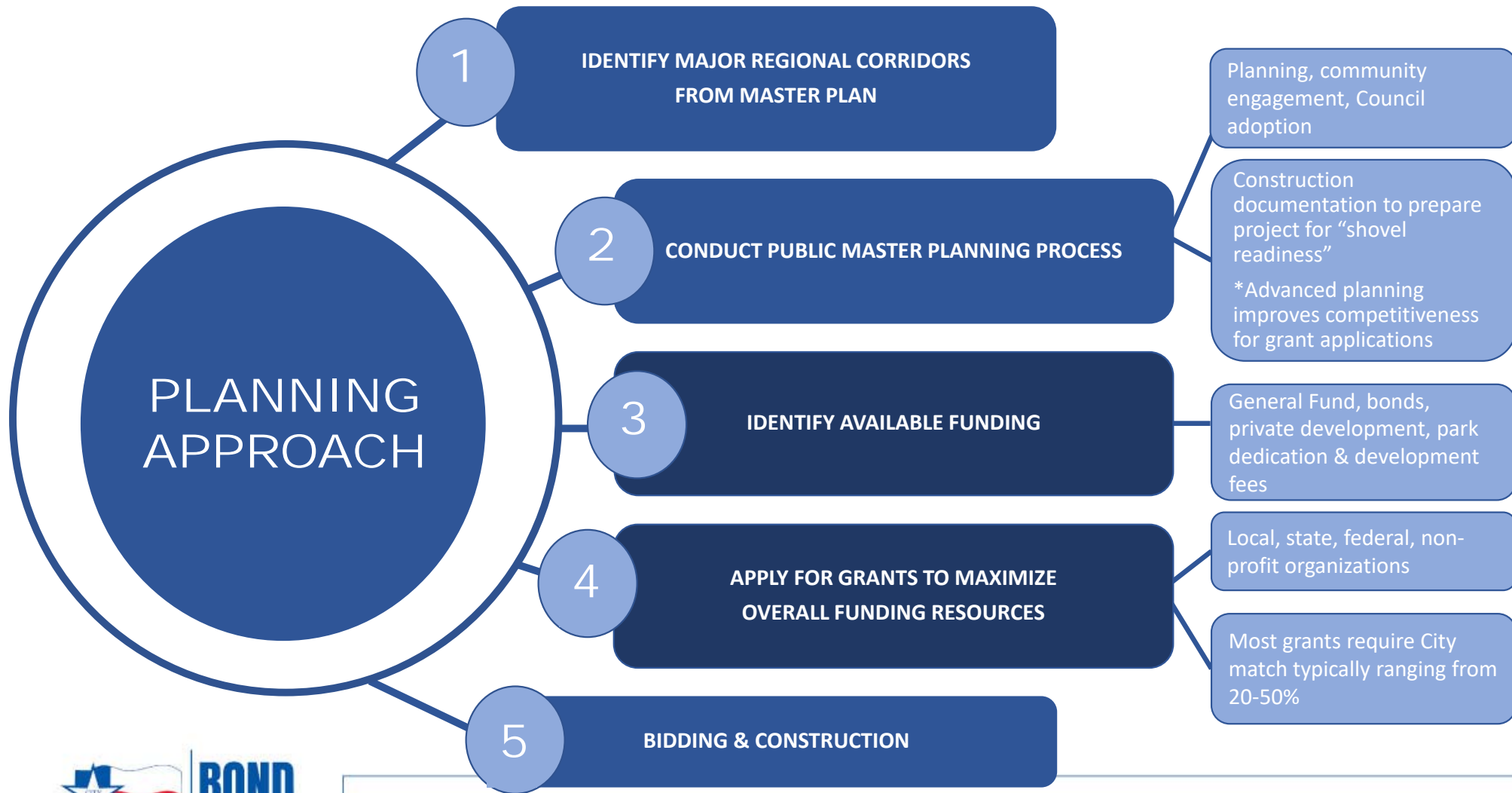
**250+
Miles of Future Trails**

**100+ Miles of Future
Paved Trails**

**100+ Miles of Future
Paddling Trails**

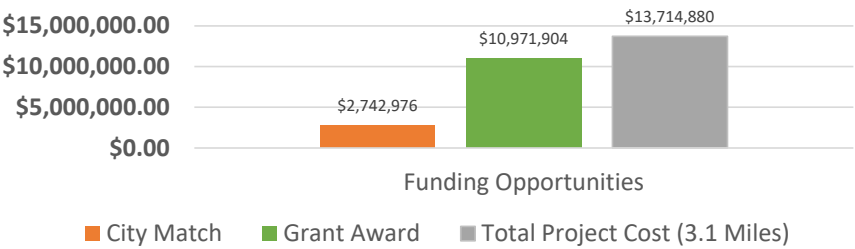
**50+ Miles
Future Soft
Surface Trails**





Opportunities

“Pecan Creek” Grant Award Scenario



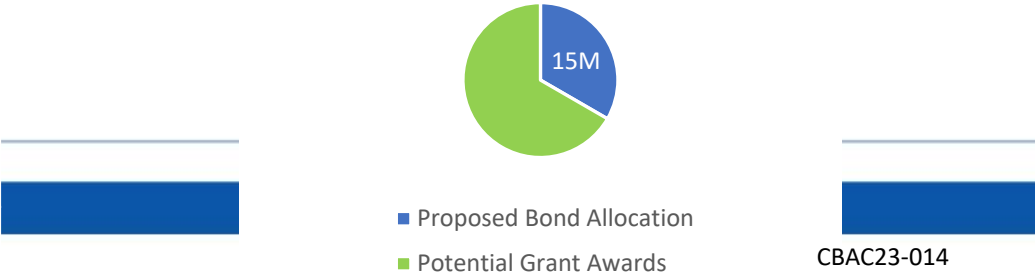
Project Examples
Estimated Costs & Mileage Scenario

Location	Total Trail Miles (*Estimate)	Opinion of Probable Cost (*Estimate)
Pecan Creek	11.6*	\$22M
Hickory Creek	14+/-*	\$30M*
Cooper Creek	6+/-*	\$14M*
Easement Trails	4+/-*	\$9M*
Mountain Bike & other off-road vehicle Trails	8+/-*	\$3M*
TOTALS	40+/-*	\$77M*

Examples of Available Grants

Organization	Grant Name	Application Cycle	% Breakdown	Available Funding
Texas Parks & Wildlife (TPWD)	Trails Grant; Local Park Grant	Annual	75/25; 50/50	\$300K-600K; 1.5M
Texas Department of Transportation (TxDOT)	Transportation Alternative	Every 2-3 years	80/20	\$25M
US Department of Transportation, Transit, Safety, and Highway Funds	Rebuilding American Infrastructure with Sustainability and Equity (RAISE)	Annual	80/20	\$25M
International Mountain Bicycling Association (IMBA)	Trail Accelerator	Annual	50/50	\$5-30K
Other agencies: North Central Council of Governments (NCTCOG), National Park Service, People for Bikes, and many more. Funding varies from \$1K-25M				
Pending approvals			TOTALS	\$50M+

Project Planning Visual



Summary

1. Parks and Recreation to continue to aggressively and strategically focus on grant acquisitions to expand and expedite the planning and construction of community trails

- City required match for grants range from 15%-50%
- Local, state, federal, non-profit could range from \$1,000 to millions
- Grant process is very-competitive, has long approval process, and specific project completion time frames

2. Key focus areas

- Planning and design
- Multi-modal infrastructure
 - 10' wide trail with concrete, gravel or designated surface
- Connectivity
 - Connections with neighborhoods, business, schools, parks, downtown and more
- Trail amenities
 - Trailheads, lighting, trees, landscaping, irrigation, park furnishings, and signage

3. Trail projects depending on grant award, may require phasing.

- Pecan Creek Trail Master Plan – Various phases
- Hickory Creek Trail Master Plan – Various phases
- Cooper Creek Trail Extension – Bonnie Brae east to existing Cooper Creek Trail
- Powerline Easement Trails – FM428 west to point to be determined
- Off-road trails



Proposed

\$15.0 Million Dollars for Trail Development

Parks and Recreation to continue to aggressively and strategically focus on grant acquisitions to expand and expedite the planning and construction of community trails

- Funding request for trail planning and construction
 - Pecan Creek Trail (11 miles at completion)
 - Cooper Creek Trail (1+ miles at completion)
 - Hickory Creek Trail (12-15 miles at completion)
 - Other trail amenities and connectivity opportunities

Estimated \$1.8M – 2.0M/mile (design and construction)



Trail Examples



Trail Amenities Examples



Trail Development

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