

Indian Mounds Regional Park Trail Redevelopment
DNR Statewide Parks Legacy Grant Application for Mar. 31, 2011

March 16, 2011 Public Hearing Backup

DNR Required Items

A copy of the public notice and the minutes from the hearing must be submitted with your application. The minutes should reflect that the following information was provided at the hearing:

- Project scope and the type of activities involved
- Implementation schedule
- Overall cost and the proposed financing for the project
- Costs to be assessed to community residents
- Other associated project costs such as maintenance expenses, etc.

Project Scope

This project involves redevelopment of 2 trails within Indian Mounds Regional Park, the trail connector for the Bruce Vento Regional Trail at 12' width, and the bluff overlook loop trail at 8' width. The trails are deteriorating, with large cracks, weeds, and differential settlement evident. This can lead to safety issues for the over 122,000 visits to this park as counted by the Metropolitan Council's 2009 annual visit count. Benches currently positioned on the opposite side of the bluff loop trail will be relocated to new concrete pads on the bluff side of the trail for better views. Some minor brush clearing may also need to be done near the bench locations to take advantage of the beautiful vistas to the river. The project may also include support items such as signage, ADA ramp replacements, and turf restoration. Trails will be designed and constructed to standards required in the grant manual, including:

- With regards to bicycle trails, applicants will be required to conform with recommendations contained within the 2005 "*Minnesota Bikeway Facility Design Manual*" developed by the Minnesota Department of Transportation.
- See <http://www.dot.state.mn.us/bike/pdfs/mg1004.pdf>
- For other uses, applicants must follow the "*Trail Planning, Design, and Development Guidelines*" developed by the Minnesota Department of Natural Resources – Trails and Waterways Division.
- The guidelines are available at the Minnesota's Bookstore www.minnesotasbookstore.com or 1-800-657-3757 for \$19.95.
- Applicants are also encouraged to follow recommendations made in "*Designing Sidewalks and Trails for Access, Part II of II: Best Practices Design Guide*" produced by the Federal Highway Administration.
- See http://www.fhwa.dot.gov/environment/rt_pubs.htm

- The Metropolitan Council 2030 Regional Park Policy Plan

In addition, Americans With Disabilities Act (ADA) requirements will be included in the design and engineering of the project:

1. Americans with Disabilities Act (ADA), Americans with Disability Act Accessibility Guidelines for Buildings and Facilities (ADAAG).

The amended accessibility guidelines include a new section 15 that provides standards for recreation facilities such as boating and fishing facilities, golf and swimming pools. Also included in the new amended guidelines, is a definition of “Area of Sport Activity” and requirements for accessible routes to the area of sport activities and sport courts.

2. Regulatory Negotiation Committee Final Report on Accessibility Guidelines for Outdoor Developed Areas.

Until incorporated into the ADAAG standards, the final report for outdoor developed areas should be used for designing recreational facilities such as campgrounds, picnic areas, trails, and beaches.

Implementation Schedule

The schedule for implementation is as follows:

Task	Approx. Times	Comments
Execute agreement with the Minnesota Dept. of Natural Resources	Fall, 2011	DNR Statewide Park and Trail Legacy Grants typically expire within 24 months of signing, or by Dec. 31 of the 2 nd year, in this case, 2013.
Design, public process, engineering, approvals, permits, bidding	Winter/spring: 2011 & 2012	
Construction – all major items	2012	
Final construction items and punch list	2013	Project complete by Dec. 31, 2013
Apply for reimbursement	Winter 2014	Project must be fully completed and invoiced prior to application for reimbursement

Overall Cost and Proposed Financing, and Costs to be Assessed to Community Residents

The overall cost is projected to be \$625,000. The statewide DNR Park and Trails Legacy funding match request will be \$500,000. The \$125,000 is from proposed to be sourced from the 2011 community resident property tax levy funding for the Annual Trail Maintenance Fund.

Other Associated Project Costs

The project 2011 application instructions call for the following:

These estimates should be made available at the public hearing (see Item 9).

I. Time Period:

The time period needs to be long enough to reflect the ongoing operation and maintenance costs, future repairs and preventive maintenance measures for the proposed project. Provide an estimate for each of the following time periods.

- Annually
- Every 3-5 years
- Every 10 years
- Every 20 years

II. Cost Factors:

Depending on the type of project proposed, estimates should be made for:

- Utility costs
- Grounds keeping
- Waste management
- Services
- Repair and replacements
- Vandalism
- Vehicle costs
- Others (?)

III. Inflation:

Factor in reasonable inflation rates into the estimate.

Twenty-one year estimates for annual maintenance, periodic renovation, and replacement costs are indicated below, with an inflation amount of 4% compounded annually factored in.

Item	Description	Unit	Est. Qty./Yr.	2011 Unit Cost	21 Year Totals
Bruce Vento Regional Trail Connector @ 13,326' L X 12' W					
1	Turf maintenance - 6 ft ea side	HR	20	150	89,334
2	Vehicles & Equipment	HR	20	58	34,304
3	Brooming - 2 passes	HR	15	75	33,500
4	Vehicles & Equipment	HR	15	27	12,105
5	Snow removal, sanding	HR	20	225	134,001
6	Vehicles & Equipment	HR	20	33	19,612
7	Litter pickup, waste disposal	HR	20	51	30,362
8	Vehicles & Equipment	HR	20	8	5,003
9	Annual trail, asphalt maint.	HR	20	731	435,379
10	Vehicles & Equipment	HR	20	74	44,310
11	Repairs, graffiti removal	HR	72	25	54,651

12	Vehicles & Equipment	HR	72	5	11,149
13	Seal coat @ 7 & 14 yrs	LS	1	10,000	29,304
20 YEAR SUBTOTAL					\$933,014

Bluff Overlook Loop @ 6,568' L X 8' W

1	Turf maintenance - 6 ft ea side	HR	20	75	44,667
2	Vehicles & Equipment	HR	20	29	17,271
3	Brooming - 2 passes	HR	15	37	16,527
4	Vehicles & Equipment	HR	15	15	6,700
5	Snow removal, sanding	HR	20	115	68,490
6	Vehicles & Equipment	HR	20	12	7,147
7	Litter pickup, waste disposal	HR	20	25	14,889
8	Vehicles & Equipment	HR	20	4	2,382
9	Annual trail, asphalt maint.	HR	20	365	217,380
10	Vehicles & Equipment	HR	20	37	22,036
11	Repairs, graffiti removal	HR	72	12	25,728
12	Vehicles & Equipment	HR	72	5	10,720
13	Seal coat @ 7 & 14 yrs	LS	1	5,000	14,652
20 YEAR SUBTOTAL					\$468,589

Both Trails

	Replace in 21 years, 3% inflation	LS	1	625,000	\$1,369,452
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21 YEAR GRAND TOTAL					\$2,771,055
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