



ENGINEERING DEPARTMENT

DATE: December 7, 2016
FROM: Gabe Schell, PE | City Engineer 
ITEM: Endorsement to submit applications for NDDOT TAP grant

REQUEST

The Bismarck Parks and Recreation District (BPRD) would like to submit two (2) projects for the NDDOT Transportation Alternatives Program (TAP) grant to the Metropolitan Planning Organization (MPO).

Please place this item on the December 13, 2016 City Commission meeting.

BACKGROUND INFORMATION

The BPRD would like to submit applications for the South Washington Street Trail Extension (new) and the Cottonwood Trail Rehabilitation (existing). The South Washington Street Trail Extension project would extend the existing trail on the west side of Washington Street south of Burleigh Avenue to Meridian Drive. This extension would allow the newly constructed South Meadows Park to be connected to the trail system. This extension will allow BPRD to get closer to one of their long-term goals of connecting the trail system to General Sibley Park.

The Cottonwood Trail Rehabilitation project is the reconstruction of an existing trail segment in south Bismarck. This trail serves as a vital connection from the Wachter Trail to Cottonwood Park.

RECOMMENDED CITY COMMISSION ACTION

Endorse projects for submittal of applications to the MPO for the NDDOT TAP grant.

STAFF CONTACT INFORMATION

Gabe Schell, PE, City Engineer, 355-1505, gschell@bismarcknd.gov



Let's Play!

December 7, 2016

Gabe Schell
City Engineer
PO Box 5503
Bismarck, ND 58506

Dear Gabe:

At the October 20, 2016 Park Board meeting, the commissioners moved approval for the Park District to apply for the following Transportation Alternative Program (TAP) grants:

South Washington Street Trail Extension (new): The South Washington Street Trail Extension project would extend the existing trail on the west side of Washington Street south of Burleigh Avenue to Meridian Drive. This extension would allow the newly constructed South Meadows Park to be connected to the trail system. This extension will allow BPRD to get closer to one of their long-term goals of connecting the trail system to General Sibley Park.

The Cottonwood Trail Rehabilitation: This project is the reconstruction of an existing trail segment in south Bismarck. This trail serves as a vital connection from the Wachter Trail to Cottonwood Park.

The approved grant projects would be constructed in 2018. Bismarck Parks and Recreation District is now requesting approval of the projects by the Bismarck City Commission and then the Bismarck-Mandan Metropolitan Planning Organization so it can be submitted to the ND Department of Transportation.

If you have any questions you may contact me at 222-6455.

Sincerely,

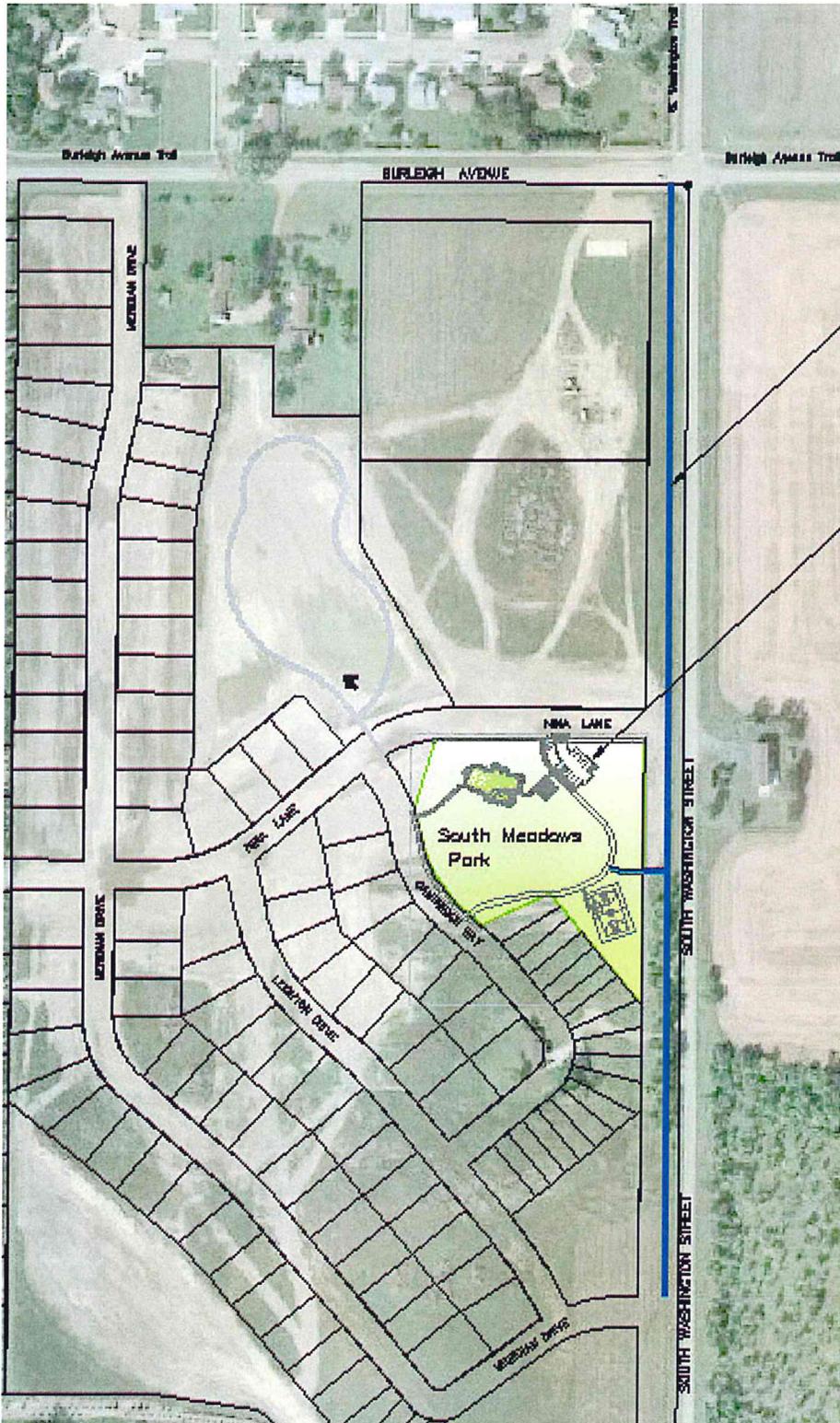
Randy Bina
Executive Director

Cc: Dave Mayer, Operations Director
Kathy Feist, Finance Director

A nationally accredited park and recreation agency.

NDDOT Transportation Alternatives Program Application FY 2018

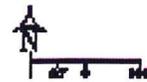
South Washington Street Recreation Trail Extension



S. WASHINGTON STREET Recreation Trail Extension

10' SHARED
USE PATH
2312 LF.

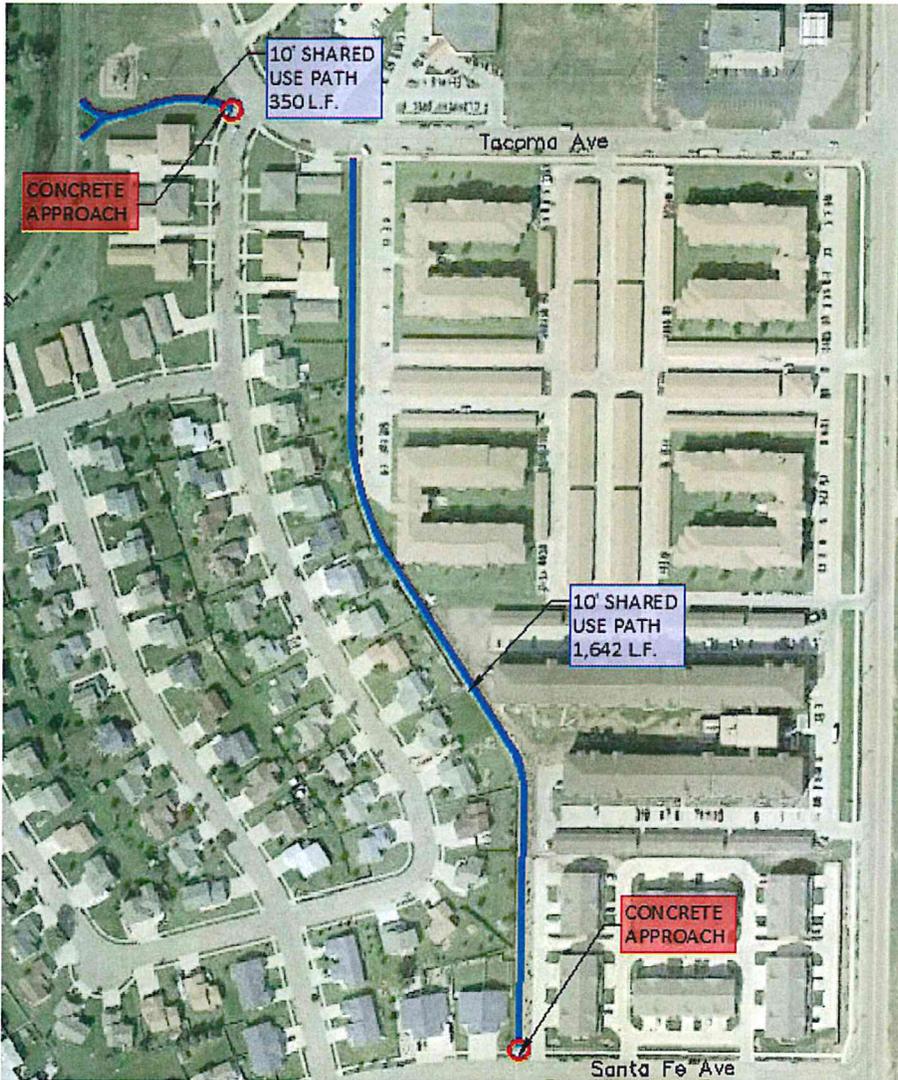
TRAIL HEAD
PARKING



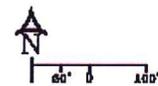
Preliminary Cost Estimate

South Washington Street Trail Extension					
Estimated Total Trail length = 2,312 LF (0.44 Miles)					
Preliminary Opinion of Cost					
11/23/2016					
Item	Description	QTY	Unit	Unit Price	Total
1	Contract Bond	1	LS	\$ 2,500.000	\$ 2,500.00
2	Mobilization	1	LS	\$ 16,000.000	\$ 16,000.00
3	Topsoil	250	CY	\$ 200.00	\$ 50,000.00
4	Seeding	1.15	ACRE	\$ 4,000.00	\$ 4,600.00
5	Hydro Mulch	1.15	ACRE	\$ 3,000.00	\$ 3,450.00
6	4" Concrete Sidewalk	580	SF	\$ 5.75	\$ 3,335.00
7	Truncated Dome Panel	80	SF	\$ 60.00	\$ 4,800.00
8	Aggregate Base Course CL 5	589	TON	\$ 40.00	\$ 23,545.79
9	2.75" Asphalt Pavement	453	TON	\$ 90.00	\$ 40,803.10
10	Asphalt Cement	32	TON	\$ 625.00	\$ 20,000.00
11	24" Pavement Marking	160	LF	\$ 40.00	\$ 6,400.00
12	Storm Sewer Pipe	48	LF	\$ 40.00	\$ 1,920.00
13	Trailhead Sign	1	LS	\$ 4,000.00	\$ 4,000.00
14	Signage	1	LS	\$ 1,800.00	\$ 1,800.00
15	Traffic Control	1	LS	\$ 1,000.00	\$ 1,000.00
Total Construction Cost =					\$ 184,153.89
Construction Contingency (10%) =					\$ 18,415.39
Total Estimated Construction Cost =					\$ 202,569.28

NDDOT Transportation Alternatives Program Application FY 2018
Wachter Trail to Santa Fe Avenue Trail Connection Replacement



WACHTER TRAIL TO
SANTA FE AVE. CONNECTION
— Recreation Trail Replacement



Preliminary Cost Estimate

Cottonwood Trail Rehabilitation					
Estimated Total Trail length = 1,992 LF (0.38 Miles)					
Preliminary Opinion of Cost					
11/23/2016					
Item	Description	QTY	Unit	Unit Price	Total
1	Contract Bond	1	LS	\$ 4,000.000	\$ 4,000.00
2	Mobilization	1	LS	\$ 22,000.000	\$ 22,000.00
3	Remove Asphalt Pavement	2324	SY	\$ 7.000	\$ 16,268.00
4	Remove Concrete	300	SF	\$ 1.500	\$ 450.00
5	Topsoil	430	CY	\$ 200.00	\$ 86,000.00
6	Seeding	0.5	ACRE	\$ 4,000.00	\$ 2,000.00
7	Hydro Mulch	0.5	ACRE	\$ 3,000.00	\$ 1,500.00
8	Landscape bed repairs	1	LS	\$ 5,000.00	\$ 5,000.00
9	4" Concrete Sidewalk	2224	SY	\$ 53.00	\$ 117,872.00
10	Truncated Dome Panel	60	SF	\$ 60.00	\$ 3,600.00
11	Aggregate Base Class 5	460	TON	\$ 40.00	\$ 18,400.00
12	Asphalt Patching	1	LS	\$ 3,000.00	\$ 3,000.00
13	24" Pavement Marking	100	LF	\$ 40.00	\$ 4,000.00
14	Traffic Control	1	LS	\$ 1,000.00	\$ 1,000.00
Total Construction Cost =					\$ 285,090.00
Construction Contingency (10%) =					\$ 28,509.00
Total Estimated Construction Cost =					\$ 313,599.00