City of Carroll

112 E. 5th Street Carroll, Iowa 51401-2799 (712) 792-1000 FAX: (712) 792-0139

MEMO TO: Mike Pogge-Weaver, City Manager MTP-W

FROM: Jack Wardell, Director of Parks and Recreation JW

DATE: July 6, 2017

SUBJECT: Memo to City Council – Trail from Veterans Park to 30th Street Connection

As a continuation of the Carroll Master Plan the next recommended section to trail for the City Council should consider is the section from Veterans Park going north to 30th Street.

Shive Hattery has provided two alternatives to take the trail north and connect with 30th Street. (Attachment A)

> Option I - would be to stay off the street south of Veteran's Park which will fill a good portion of that existing ditch adjacent to Grant Rd. from the size of the drainage structures up at the high school.
>
> Option II would be to utilize the area of the existing bike lane. This would be a protected side path (Attachment B) through this stretch which would definitely lessen the amount of fill along with the impacts to the ditch and the golf course. However, if the additional width of ditch needs to be developed to carry the drainage that would add significantly more to the cost of the project.
>
> Another option would be to construct the trail along the top section of the backslope on the golf course side of the ditch), in which case you would have substantial savings on the earthwork, but you are putting the users more in conflict with the golfers.

RECOMMENDATION: For the Mayor and City Council consideration and approval of Option I or II for the continuation of the Carroll Trails Plan.

Google Earth

feet 3000

km 1

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

PROJECT NAME: 417320P - Carroll - (Phase 2) 2018 Trail Improvements
Project Location: City of Carroll
Date: May 26, 2017
Title: Option 1 - Off Street Trail from Veteran's Park to 30th St

Conceptual Construction Cost				
Task	*Units*	*Quantity*	*Unit Cost*	*Extended Cost*
Earthwork	CY	14300	$ 15.00	$ 214,500.00
Pavement Removal	SY	0	$ 15.00	$ -
Subgrade Preparation	STA	36	$ 300.00	$ 10,800.00
PCC Trail	SY	4000	$ 45.00	$ 180,000.00
Detectable Warnings	SY	60	$ 50.00	$ 3,000.00
Adjustment of Utilities	EA	3	$ 1,500.00	$ 4,500.00
Seeding, Fertilizing & Mulch	ACRE	3	$ 5,000.00	$ 15,000.00
Storm Sewer, 24" RCP	LF	54	$ 100.00	$ 5,400.00
Apron, 24" RCP	EA	5	$ 1,200.00	$ 6,000.00
Fencing	LF	100	$ 25.00	$ 2,500.00
Clearing & Grubbing	LS	1	$ 10,000.00	$ 10,000.00
Subtotal				$ 451,700.00
25% Contingency				$ 112,925.00
Total Construction Cost				**$ 564,700.00**
Design (10%)				$ 56,500.00
Construction (6%)				$ 33,900.00
Total Engineering Fees				**$ 90,400.00**
Right of Way Acquisition & Easements *				**$ -**
TOTAL PROJECT COST				**$ 655,100.00**

* We are assuming that sufficient right of way exists and easements will be given to the city at no cost.

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

PROJECT NAME: 417320P - Carroll - (Phase 2) 2018 Trail Improvements
Project Location: City of Carroll
Date: May 26, 2017
Title: Option 2 - Combination of Off Street Trail and Protected Sidepath from Veteran's Park to 30th St

Conceptual Construction Cost				
Task	*Units*	*Quantity*	*Unit Cost*	*Extended Cost*
Earthwork	CY	6000	$ 15.00	$ 90,000.00
Pavement Removal	SY	2200	$ 15.00	$ 33,000.00
Subgrade Preparation	STA	36	$ 300.00	$ 10,800.00
PCC Trail	SY	4800	$ 45.00	$ 216,000.00
Detectable Warnings	SY	60	$ 50.00	$ 3,000.00
Adjustment of Utilities	EA	3	$ 1,500.00	$ 4,500.00
Seeding, Fertilizing & Mulch	ACRE	2	$ 5,000.00	$ 10,000.00
Storm Sewer, 24" RCP	LF	54	$ 100.00	$ 5,400.00
Apron, 24" RCP	EA	5	$ 1,200.00	$ 6,000.00
Fencing	LF	100	$ 25.00	$ 2,500.00
Clearing & Grubbing	LS	1	$ 10,000.00	$ 10,000.00
Median, Doweled PCC 6 in	SY	800	$ 85.00	$ 68,000.00
Subtotal				$ 459,200.00
25% Contingency				$ 114,800.00
Total Construction Cost				**$ 574,000.00**
Design (10%)				$ 57,400.00
Construction (6%)				$ 34,500.00
Total Engineering Fees				**$ 91,900.00**
Right of Way Acquisition & Easements *				**$ -**
TOTAL PROJECT COST				**$ 665,900.00**

* We are assuming that sufficient right of way exists and easements will be given to the city at no cost.