CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: July 24, 2017

ITEM: Motion – Approval of Professional Services Agreement – Sugar Creek Trail, Phase I Conceptual Design

FINANCIAL IMPACT: Expense of $12,000 to be paid from G/L account 500.000.000.5250.490. Funding will be covered out of available funds in the FY 16-17 CIP from the Woodland Hills Greenway Trail (Project No. 0510 090 2017).

BACKGROUND: The Council is asked to approve an agreement with Snyder & Associates to complete conceptual design for a section of trail along Sugar Creek connecting to the neighborhood around Woodland Hills park located at 1230 S. 95th Street. From the park, the trail will follow an existing alignment & associated easements behind residential lots on Prairie Court, cross Sugar Creek, parallel the west side of Sugar Creek north, and pass under the new Stagecoach Drive bridge currently under construction. This segment of trail will be Phase 1 of the Sugar Creek Trail which as a regional trail will ultimately connect West Des Moines to Waukee. In addition, this trail is part of a larger master plan incorporating a future 26-mile trail loop ultimately connecting the Jordan Creek, Sugar Creek and the Raccoon River greenway corridors. The documents that are part of this contract are planned to be incorporated into a REAP grant submittal due on August 15th.

The scope of the project includes conceptual trail design, hydraulic analysis, structural engineering services and cost opinion for an approximate ½ mile length of 10' wide trail. The hydraulic analysis and structural engineering are necessary for the pedestrian bridge crossing over Sugar Creek.

The agreement with Snyder & Associates is attached along with their proposal and a scope of work. Snyder & Associates was selected for this project due to the fact that they are currently doing design work for the Wastewater Reclamation Authority in this same corridor and have much of the base information already in place. The City has been collaborating with Snyder & Associates and the WRA on a project to improve and stabilize Sugar Creek south of Stagecoach Drive.

OUTSTANDING ISSUES: None

RECOMMENDATION: That the City Council approve the agreement with Snyder & Associates.

Lead Staff Member: David Sadler, Superintendent of Parks

STAFF REVIEWS

Department Director	Sally Ortgies, Director of Parks & Recreation
Appropriations/Finance	Tim Stiles, Finance Director
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee			
Date Reviewed			
Recommendation	Yes	No	Split

EXHIBIT A

SUGAR CREEK TRAIL, PHASE 1 – CONCEPTUAL DESIGN
WEST DES MOINES, IOWA

SCOPE OF SERVICES:

This Scope of Services provides professional services necessary to prepare a conceptual design and cost opinion for approximately a half-mile length of 10-foot wide, PCC trail. The trail will generally follow an existing conceptual alignment from S 95th Street, crossing Sugar Creek, paralleling the west side of Sugar Creek, passing under Stagecoach Drive, terminating at the north right-of-way line of Stagecoach Drive, and allowing for a future extension.

Design work shall make use of existing topographic survey along Sugar Creek and topography files provided by the CLIENT. Design work shall also make use of existing conceptual trail alignment CADD files.

Work shall be completed as soon as possible, with a final delivery date no later than August 1.

I. CONCEPTUAL TRAIL DESIGN – PROFESSIONAL will prepare a conceptual design update for the trail generally following the existing conceptual alignment. Adjustments to the conceptual alignment may be necessary based upon more detailed information gathered through the design process or relocation of the proposed creek crossing. The trail will include a crossing of S 95th Street to connect to the existing trail at Woodland Hills Park. The conceptual design will comply with SUDAS design standards for shared use paths.

Deliverables:
- Conceptual design exhibit
- Conceptual design cost opinion
- Trail typical cross section
- Narrative of design considerations

FEES FOR SERVICES..... HOURLY NOT TO EXCEED $4,400

II. HYDRAULIC ANALYSIS – PROFESSIONAL will utilize the City of West Des Moines Sugar Creek HEC-RAS model to evaluate freeboard and backwater design criteria for the proposed Sugar Creek bridge. The bridge length will be optimized based on the maximum backwater criteria set forth by the Iowa DNR. The proposed model will include proposed grading for the WRA streambank stabilization improvements.

Deliverables:
- Summary of water surface elevations
- Narrative of Iowa DNR design criteria and flood plain permit requirements

FEES FOR SERVICES..... HOURLY NOT TO EXCEED $2,300

III. STRUCTURAL ENGINEERING DESIGN SERVICES – PROFESSIONAL will prepare a conceptual design for a bridge crossing over sugar creek and evaluate two stream crossing alternatives for a right bank tributary to Sugar Creek located approximately 100 feet south of Stagecoach Drive. The conceptual design will be consistent with policies and criteria identified in the Iowa DOT Bridge Design Manual. Assumes, bridge alternatives will be pre-manufactured steel truss bridges.

Deliverables:

- Structural design narrative of alternatives, design criteria, alignment, and foundation type
- Conceptual design cost opinion (based on square foot costs)
- Recommendation for the tributary trail crossing

FEES FOR SERVICES..... HOURLY NOT TO EXCEED $5,300

IV. ADDITIONAL SERVICES

The following items shall be considered additional services as may be requested by the CLIENT. Additional services may be performed on an hourly basis or should a specific scope of services be defined, a quotation for services may be performed.

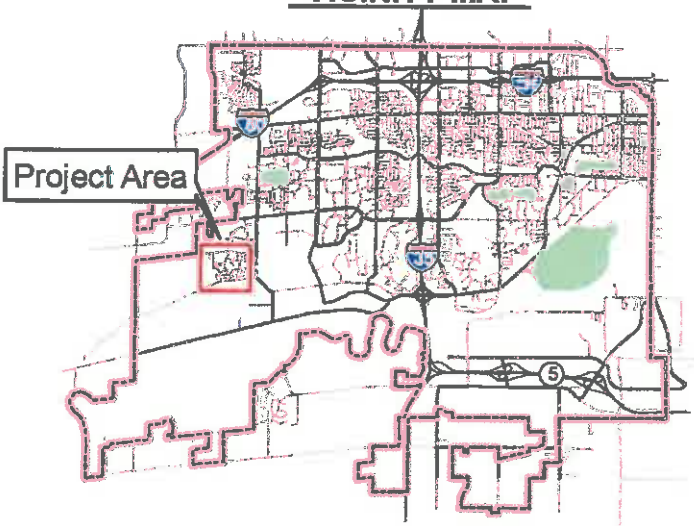
1. Client-requested meetings
2. Client-requested major revisions
3. Topographic survey
4. Preliminary/final design and construction plans
5. Front end bidding documents
6. Submittal fees to any and all regulatory agencies or jurisdictions
7. Wetland delineation or environmental analysis
8. Construction observation and administration
9. Construction staking
10. As-built drawings

EXHIBIT B

SNYDER & ASSOCIATES, INC.
2017-18
STANDARD FEE SCHEDULE

Billing Classification/Level	Billing Rate	
Professional		
Engineer, Landscape Architect, Land Surveyor, Legal, GIS, Environmental Scientist Project Manager, Planner, Right-of-Way Agent, Graphic Designer		
Principal II	$196.00	/hour
Principal I	$185.00	/hour
Senior	$166.00	/hour
VIII	$153.00	/hour
VII	$146.00	/hour
VI	$140.00	/hour
V	$130.00	/hour
IV	$120.00	/hour
III	$110.00	/hour
II	$100.00	/hour
I	$86.00	/hour
Technical		
Technicians--CADD, Survey, Construction Observation		
Lead	$117.00	/hour
Senior	$113.00	/hour
VIII	$105.00	/hour
VII	$97.00	/hour
VI	$86.00	/hour
V	$78.00	/hour
IV	$72.00	/hour
III	$60.00	/hour
II	$52.00	/hour
I	$45.00	/hour
Administrative		
II	$60.00	/hour
I	$49.00	/hour
Reimbursables		
Mileage	*current IRS standard rate*	
Outside Services	*As Invoiced*	

VICINITY MAP



LEGEND

- Project Location
- Existing Trail
- Proposed Trails
- Park & Greenway

THE CITY OF WEST DES MOINES

PROJECT:	SUGAR CREEK TRAIL - PHASE 1
LOCATION:	SUGAR CREEK CORRIDOR @ STAGECOACH DRIVE

DRAWN BY: MAA	DATE: 7/20/2017	PROJECT NO.: -	SHT. 1 of 1