

City of Broken Arrow

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220 S 1st Street
Broken Arrow OK
74012

Minutes Drainage Advisory Committee

Chairperson Lori Hendricks
Vice Chairperson Denise Mason
Member Joe Franco
Member Johnnie Parks
Member Debra Wimpee
Member Donna Wallace
Member Donna Wiedower

Monday, February 28, 2022

6:30 PM

Council Chambers
220 S. 1st St.
Broken Arrow, OK 74012

1. Call to Order

Chairperson Lori Hendricks called the meeting to order at approximately 6:30 p.m.

2. Roll Call

Present: 7 - Joe Franco, Donna Wiedower, Debra Wimpee, Donna Wallace, Johnnie Parks, Denise Mason, Lori Hendricks

3. Presentations

A. 22-233 Presentation summarizing the projects and funds spent, to date, of Proposition 6 of the 2018 GO Bond, and possible discussion thereof

Stormwater Division Manager Patrick Wilson reported in September of 2021 an update regarding Proposition 6 funded projects was presented and today he would further update the Committee. He displayed and discussed a spreadsheet which illustrated the projects which were underway, the projects which were completed, funds available, funds spent, and locations of projects.

Discussion ensued regarding the project at Stone Wood Crossing II which only cost \$31.65 dollars but did solve the problem at this time.

Chairperson Hendricks asked about the funds allocated column versus the funds available column versus the funds spent column on the projects sheet.

Mr. Wilson explained the columns were directly related to the second page of his document, the funding ledger. He displayed and discussed the funding ledger. He explained how the columns were related to each other and how to properly read the document.

Committee Member Johnnie Parks stated it was important to properly track the money.

Mr. Wilson agreed and noted he was working with the Finance Department in this regard.

Committee Member Donna Wallace asked how to tie the project sheet to the funding ledger.

Mr. Wilson explained the project numbers correlated with each other on the two sheets, as well as the line numbers.

Assistant City Manager of Operations Kenny Schwab commented on the project sheet and the

funding ledger noting efforts were made to ensure at any given time Staff could know the status of each project and the funds associated with each project.

Chairperson Hendricks asked if action needed to be taken by the Committee when a project came to completion and funds were left over.

Mr. Wilson stated this was currently being discussed by Staff.

Chairperson Hendricks thanked Mr. Wilson.

4. General Committee Business

A. 22-205 Approval of Drainage Advisory Committee meeting minutes of December 20, 2021

MOTION: A motion was made by Johnnie Parks, seconded by Debra Wimpee.

Move to approve the Drainage Advisory Committee meeting minutes of December 20, 2021

The motion carried by the following vote:

Aye: 6 - Donna Wiedower, Debra Wimpee, Donna Wallace Johnnie Parks, Denise Mason, Lori Hendricks

Abstain: 1 - Joe Franco

Chairperson Hendricks indicated Item 4C would be discussed prior to Item 4B.

C. 22-255 Consideration, discussion and possible action to recommend to City Council to expend funds for obtaining a survey for an in-house drainage improvement design in the Cedar Ridge Estates Subdivision (Case No. 22-002)

Mr. Patrick Wilson displayed and discussed a map illustrating where Cedar Ridge Estates Subdivision and the potential project area were located. He stated the original culvert under Cedar Ridge Road and another culvert were slightly different than the original schematic and design plan showed; the culverts were not connected but came together and outlet into a drainage ditch leading to the reserve drainage. He noted prior to 2010 approximately 100 feet of private storm sewer line was added which flowed into the Haikey Creek floodplain. He displayed and discussed an illustration of the drainage area to be addressed, pictures of the collection areas, a sinkhole in the reserve area on top of the private storm sewer system and incise channels leading upstream and downstream. He explained the proposed project would fix and repair the line or redo the line. He stated he was requesting \$5,000 dollars to conduct a survey of the reserve and drainage system in the area to determine what needed to be done, whether it was a simple line replacement, a system fix with new junction box and grading, restoration to the original design, etc.

Committee Member Donna Wiedower asked how this piece of land became privately owned. She asked if there were any benefit to trying to have this piece of land which was clearly a drainage reserve turned over to the City.

Mr. Wilson stated the prospect of the City obtaining the property had not been discussed; however, through the process all avenues would be discussed. He noted many areas in the City had private reserves. He stated the previous owner of this property purchased two lots, lot 16 and this lot which was clearly labeled as a drainage reserve. He noted the developer sold the two lots as a package deal. He stated the City could consider obtaining the drainage reserve parcel.

Committee Member Parks asked if any of the lines were owned by the City.

Mr. Wilson responded in the affirmative; the line in blue on the map which went under Cedar Ridge Road and the line flowing to the north were City lines; this was the outlet of the City

system.

Committee Member Parks stated the Committee was considering this project due to the drainage on this parcel possibly affecting the City lines.

Mr. Wilson explained there was potential for this system to collapse which would lead to flooding of the roadway.

Committee Member Parks if the private line were replaced by the City, could it become a City line.

Mr. Wilson stated the City would ask for drainage easements overtop of the parcel for maintenance purposes.

Committee Member Parks asked if the City's line was made of corrugated metal like the private line.

Mr. Wilson responded the line under Cedar Ridge Road was concrete; however, he was unable to determine what the other line was made of as the plans did not show what materials were utilized.

Chairperson Hendricks noted if the City line was also made of corrugated metal, the City line might also need to be redone.

Mr. Wilson responded in the affirmative, but this would be determined during the survey process. He stated he was requesting \$5,000 dollars to complete the survey and the design would be completed in-house.

MOTION: A motion was made by Johnnie Parks, seconded by Denise Mason.

Move to recommend to City Council to expend funds for obtaining a survey for an in-house drainage improvement design in the Cedar Ridge Estates Subdivision (Case No. 22-002)

The motion carried by the following vote:

Aye: 7 - Joe Franco, Donna Wiedower, Debra Wimpee, Donna Wallace, Johnnie Parks, Denise Mason, Lori Hendricks

B. 22-252 Consideration, discussion and possible action to recommend to Council to expend funds for obtaining an Individual 404 Permit from the United States Army Corp of Engineers and design services for construction documents for increasing the flow area and reducing the velocity on the flow in Deer Creek, Unnamed Tributary to Covington Creek, and Covington Creek in the vicinity of Deer Creek, Stanford Landing, Wyckford, and Covington Estates Subdivisions (Case No. 22-001)

Assistant City Manager Kenny Schwab reported this Item had been before the DAC and City Council in the past. He displayed and discussed a map illustrating the area being considered. He noted this was the Forest Ridge area and a portion of the area was in the County's jurisdiction. He stated Covington Estates West was built in 1976 and a main channel flowing from the south to the north went under Kenosha. He stated there had been flooding over Kenosha in the past. He reported a year ago TEP was hired to design a cutoff channel, to redesign the channel to allow proper flow of an unnamed tributary for Covington Creek which would reach as far as the turnpike, drain by Highland Park, and cross Houston to come into the golf course area. He discussed the drainage through the area, where the different channels led, and flooding in the area. He stated the project cost was estimated at approximately \$1.1 million dollars however, the consultant was asked to redesign to bring down costs and costs were currently estimated at approximately \$850,000 dollars to \$900,000 dollars, which was still high, but the homeowners in the area were presented with the project.

He noted originally the estimate, done a year prior, was approximately \$450,000 dollars, but he believed a lot of this estimate was underestimated. He noted the project would require a 404 Permit through the Corps, an Individual Permit, not a Nationwide Permit, which was difficult to obtain. He stated the recommendation to the DAC was to move forward with the 404 Individual Permit. He noted this permit typically took about a year to obtain but it was felt it might be possible to obtain the permit in the fall this year, following which the design and cost could be revisited and hopefully the cost could be lowered. He stated the item before the DAC was a recommendation to spend the funds to obtain the permit and get the project cleared. He stated upon speaking with the residents in Forest Ridge, the residents realized this would be a shared project; the residents would cover the construction costs on the north side of the project area, which was located in Wagoner County, while the City would cover the cost of the south side of the project. He stated the recommendation was to recommend to City Council to spend \$30,000 dollars to move forward on the Individual 404 Permit.

Committee Member Debra Wimpee noted she visited the project area, and the erosion was severe.

Committee Member Parks asked whether the project intended to slow down or speed up the water flow through the area.

Mr. Schwab responded the intention was to slow down the water flow, as the faster the water flowed the more erosion resulted. He noted the project would open up the creek to slow down the water flow on both the north and south sides of this project. He noted on the north side, the Wagoner County side, there was a 40 foot drainage easement and an additional 10 foot utility easement with no utilities; therefore, there was plenty of room to open the creek.

Discussion ensued regarding the flooding in the area, and the direction of water flow.

Committee Member Parks noted this project was one of the original projects which inspired Proposition 5 and Proposition 6.

Mr. Schwab agreed.

Committee Member Wiedower asked about the 404 Permit.

Mr. Schwab explained Section 404 was a section under the Clean Water Act and every time there were navigable waters (according to the Corps) this 404 Permit was necessary. He stated as this creek area was approximately 1,000 feet long it required an Individual Permit as opposed to a Nationwide Permit.

Committee Member Wiedower stated, as the Corps had jurisdiction, could the Corps provide any funding.

Mr. Schwab responded in the negative.

Vice Chair Mason discussed the pollution in the creeks.

Committee Member Wiedower asked if the Corps would review the plan design developed by the City.

Mr. Schwab responded in the negative; the Corps did not look at the engineering of the project, the Corps considered how the project would affect the environment.

Committee Member Wiedower noted this could still impact how the work was done.

Mr. Schwab responded in the affirmative; the Corps' determinations could impact costs.

Committee Member Joe Franco asked if the City had done its due diligence regarding how the Corps might possibly impact construction costs.

Mr. Schwab responded in the affirmative.

Committee Member Franco asked if the City expected any surprises from the Corps.

Mr. Schwab responded in the affirmative; he always expected a few small surprises from the Corps, but nothing major; the City had done extensive research about the project area.

Vice Chair Mason noted the plan was to add sod and rip rap but nothing permanent, such as walls.

Mr. Schwab explained the original plan included walls and this plan, he believed, included a few walls down at the end of the line.

Vice Chair Mason noted there had been situations in which walls were required to address erosion issues, for example with Little Joe Creek.

Mr. Schwab agreed noting Little Joe Creek also included concrete lined channels which he did not believe the Corps would appreciate; the Corps favored utilization of more natural materials.

Discussion ensued regarding the project costs, materials to be used, and the residents' financial contributions.

Mr. Schwab noted the project was designed to be a permanent solution.

Committee Member Wimpee asked about the lawsuit filed by Covington Estates against Forest Ridge.

Mr. Schwab responded the lawsuit was pending; an injunction had been filed until this project could be sorted out. He stated the Court was waiting for the City to move forward.

MOTION: A motion was made by Debra Wimpee, seconded by Denise Mason.

Move to recommend to City Council to expend funds for obtaining an Individual 404 Permit from the United States Army Corp of Engineers

The motion carried by the following vote:

Aye: 7 - Joe Franco, Donna Wiedower, Debra Wimpee, Donna Wallace, Johnnie Parks, Denise Mason, Lori Hendricks

5. Adjournment

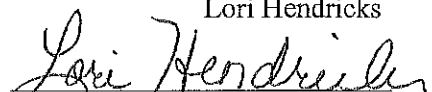
The meeting adjourned at approximately 7:16 p.m.


MOTION: A motion was made by Johnnie Parks, seconded by Debra Wimpee.

Move to adjourn

The motion carried by the following vote:

Aye: 7 - Joe Franco, Donna Wiedower, Debra Wimpee, Donna Wallace, Johnnie Parks, Denise Mason, Lori Hendricks


Lori Hendricks, Chairperson


Lisa Blackford, Deputy City Clerk