

January 7, 2022

TO: City Council Member Mike Cappel, Chair
Public Works Committee of City Council

FROM: Brian K. Riblet, City Manager *BKR*

SUBJECT: Public Works Committee Meeting on Monday, January 10, 2022

As a reminder, the Public Works Committee is scheduled to meet on Monday, January 10, 2022 at 5:30 p.m. at City Hall. Those items to be discussed include:

1. Proposed 2022 Street Resurfacing Program—Staff will be present to update the Committee on the attached memorandum that identifies streets recommended to be included in the 2021 Street Resurfacing Program. Staff would appreciate the opportunity to discuss the recommendation with the Committee, provide the program timeline and review the budget for this annual Capital Improvement Program effort
2. Update on Pfeiffer/Deerfield Road Roundabout Project—Staff will be present to update the Committee on the status of the Pfeiffer/Deerfield Road Roundabout project and obtain feedback from the Committee on the project.
3. Discussion of Appointments and Reappointments on the EAC—Staff will be present to discuss reappointments of EAC members and current vacancies with the Committee.
4. Other Business—The purpose of this agenda item is to provide an opportunity to discuss any issue or ask questions that may be on your mind.

Also attached are the minutes from the September 13, 2021 meeting of your Committee for review and approval at Monday's meeting.

Should you have any questions or concerns pertaining to these topics or have additional items to be discussed at the meeting, please do not hesitate to contact me.

c: Mayor and City Council Members (3)
Connie Gaylor, Administrative Coordinator
Department Heads

AGENDA

January 10, 2022
Montgomery City Hall
5:30 P.M.

1. Call to Order
2. Guests and Residents
3. Communications
4. New Business
 - a. Proposed 2022 Street Resurfacing Program
 - b. Update of Pfeiffer/Deerfield Road Roundabout Project
 - c. Reappointment of EAC Board and Commission Members
5. Approval of Minutes- September 13, 2021
6. Other Business
7. Executive Session
8. Adjournment

January 7, 2022

TO: Mike Cappel, Chair Public Works Committee of Council
Public Works Committee Members

FROM: Gary Heitkamp, Public Works Director *Deed*

SUBJECT: Proposed 2022 Street Resurfacing Program

Listed below are the streets proposed for the 2022 Street Resurfacing Program.

2022 Street Resurfacing Program

<u>Street</u>	<u>From</u>	<u>To</u>	<u>CL Miles</u>
Shadowhill Way	Creeknoll Court	Windhaven Court	0.173
Deershadown Lane	Deerfield Road	terminus	0.354
Laurelview Drive	Tanagerwoods Drive	terminus	0.335
Cedarview Drive	Laurelview Drive	terminus	0.079
Weller Road	#8699 Weller Road	E. Kemper Road	0.577
Kennedy Lane	#7370 Kennedy Lane	terminus	0.031
Zig Zag Road	Cooper Road	Monte Drive	0.850
Zig Zag Road (Alternate)	Monte Drive	I-71 Bridge	0.433

Total – 2.83 centerline miles

Staff has completed field inspections, and begun field reconnaissance and utility coordination, of the streets listed above. A preliminary opinion of construction cost for the rehabilitation and resurfacing of the streets listed indicate that between 2.40 and 2.83 miles of centerline miles of roadway can be completed for the \$950,000 budgeted.

If the above list is approved, the preparation of the construction plans, engineer's opinion of construction cost, and bid package will be completed by January 21, 2022. This would allow the program to be publicly advertised as early as January 25, 2022, followed by a bid opening on February 8, 2022. Based on a satisfactory bid result, staff would make a recommendation to award the contract at the February 16, 2022 City Council Work Session. Construction would be anticipated to begin in the Spring.

If additional information is required prior to the upcoming committee meeting, please do not hesitate to contact me.

December 21, 2022

TO: City Council
Brian Riblet, City Manager
Tracy Henao, Assistant City Manager

FROM: Connie Gaylor, Clerk of Council 

SUBJECT: Report of Boards and Commission Members with expiring terms on 1/31/22 and their appointment status

At the January 20, 2021 Council Work Session former Council Member Roesch reported on updated language in the Boards & Commission Training Manual that included the reappointments of Boards and Commission members. This language stated that a review should be conducted between a Board or Commission Chair and Council and staff liaisons prior to any reappointments being made. Based on the terms expiring on January 31, 2022 this memo is to provide Council with a list of individuals' seeking reappointment as well as those who are not that will create vacancies on those boards or commissions.

Board or Commission Member	Board or Commission	Re-Appointment Status
Elise Williams	Arts	Seeking Reappointment
Christine Genovese	Arts	Seeking Reappointment
Shannon Powers	Beautification & Tree	Seeking Reappointment
Travis Everly	Beautification & Tree	Seeking Reappointment
Fred Kleiser	Civil Service	Seeking Reappointment
Mary Jo Byrnes	Board of Zoning Appeals	Seeking Reappointment
Peter Fossett	Board of Zoning Appeals	Seeking Reappointment
Richard White	Board of Zoning Appeals	Seeking Reappointment
Greg Brodrick	EAC	Seeking Reappointment

Zeeshan Pasha	EAC	Seeking Reappointment
Bob Bammann	Landmarks	Not Seeking Reappointment
Jane Garfield	Landmarks	Seeking Reappointment
Mark Stella	Landmarks	Not Seeking Reappointment
Jorge Tameron	Parks & Recreation	Seeking Reappointment
Kevin Klug	Parks & Recreation	Not seeking Reappointment
Cindy Deihl	Parks & Recreation	Not seeking Reappointment
Patrick Stull	Planning Commission	Seeking Reappointment
Marcallene Shockey	Sister Cities	Seeking Reappointment
Blair Davis	Sister Cities	Seeking Reappointment

Also, the following members have resigned from their positions creating vacancies on the respective Boards or Commissions:

Mike Harbison	Planning Commission	Resigned effective 12-20-21
Elaine Cohen	EAC	Resigned effective 11-15-21

It is anticipated that all reappointments will be made at the January 19, 2022 Work Session. Please let me know if you have any questions prior to that time.

Cc: Board and Commission Chairs
Staff Liaisons
File

These minutes are a draft of the proposed minutes from the Public Works Committee of City Council meeting. They do not represent the official record of proceedings until formally adopted by the Public Works Committee of City Council. Formal adoption is noted by signature of the Chair within the minutes.

City of Montgomery
Public Works Committee Meeting
September 13, 2021

Staff Present

Brian Riblet, City Manager
Tracy Roblero, Asst. City Manager/Acting Comm. Dev. Dir.
Gary Heitkamp, Public Works Director
Nick Miller, Construction and Compliance Inspector
Connie Gaylor, Clerk of Council

Council Committee Members Present

Mike Cappel, Chair
Craig Margolis
Lynda Roesch

The Public Works Committee of Council convened its meeting for September 13, 2021 at 5:30 p.m. with Mr. Cappel presiding.

Huntersknoll Court Drainage Discussion

Mr. Heitkamp provided background on the Huntersknoll Court Drainage issues and study. He explained that in 2018 staff began receiving feedback from residents on Huntersknoll Court regarding flooding issues that would extend to Deerfield Road and Trailwind Drive. He explained that while there has been a history of flooding for decades that 2018 and 2019 were the wettest years on record which only exacerbated the problem. Over the years, homeowners in the area have made modifications to the swales through their yards, such as installing pipes and filling in swales, which have exacerbated the problem. These pipes are undersized and cannot adequately carry the flow. The area experienced some redevelopment in recent years, where existing homes are being demolished and replaced with larger homes. While this has increased the impervious surfaces within the drainage area, it is not believed to be a significant factor in increasing flooding in the area. He explained that staff questioned if the existing pipe system may have a possible collapse or blockage and therefore contracted with TeleVac to inspect the storm sewer system in 2018 and at that time there were no problems found. Mr. Heitkamp explained that in 2019 the City contracted with CT Consultants to begin mapping the storm sewer system both public and private. That study was completed in June of 2020 and an Open House was held in July of 2020 at which time approximately 25 people turned out to share their issues.

Mr. Heitkamp summarized the findings of the summary. He explained that the drainage area contributing to Huntersknoll Court is approximately 90 acres, extending west across Deerfield Road past Southwind Drive to, and north to Pfeiffer Road. He explained that the area ultimately drains to a 60" culvert under Montgomery Road. Mr. Heitkamp displayed maps as reference. He explained that the following observations are based on the 10yr rainfall event using Manning's equation for pipe flow.

Trailwind Drive to Deerfield Road (Storm Run A)

- This system conveys water from Fourwinds Drive, Trailwind Drive, the rear of the houses located along Westwind Lane and Ivygate Lane, from the end of Trailwind drive through some rear yards, and into the low point of Deerfield Road.
- It appears that this system has been converted from overland flow to piped flow in order to accommodate houses. Pipes range from 12" to 30" and have several bends in them with the outlet of the system being a 27" pipe.
- This system is undersized to convey the 10yr storm event.

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- The model indicates ponding within Trailwind Drive, and within yards and over-land/over-road flow in areas due to lack of catch basins, shallow and undersized pipes, and large drainage areas.

Rear Yard Swale from Deerfield Road to Huntersknoll Court (Storm Run B)

- This system conveys water from Trailwind Drive (Storm Run A) through swales and pipes in the rear yards south of Huntersknoll court.
- It appears that this system has been partially converted from overland flow to piped flow over the years by homeowners in order to accommodate houses, pools, fences and other rear yard improvements. Pipes range from 18" to 36" and have several bends in them with the outlet of the system being a 27" pipe.
- This system is undersized to convey the 10yr storm event.
- The model indicates ponding in Deerfield Road, and within yards and over-land/over-road flow in areas due to shallow and undersized pipes, and the amount of water coming from upstream in the system.

Huntersknoll Court to Outlet (Storm Run C)

- This system collects Storm Runs A, B and D, conveying water from Huntersknoll Court to the outlet, within pipes under the roadway and in between houses.
- This system appears to be adequately sized to convey the 10yr storm event.
- If the undersized storm sewers upstream of this run are improved, this system may be undersized to handle a 10yr storm event.
- Some roadway flooding has been experienced on Huntersknoll Court, but that flooding is believed to be attributed to inadequate inlet capacity. Additional inlets or larger inlets should be considered.
- The two storm sewer lines extending to the north from Huntersknoll Court have capacity to handle the 10yr storm event.

Deerfield Road to Huntersknoll Court (Storm Run D)

- This system conveys water from Southwind and Westwind Drive and the front yards of Deerfield Road through a 30" pipe system to Huntersknoll Court.
- This system appears to be adequately sized to convey the 10yr storm event.
- There are three catch basins to drain the large area from Westwind and Southwind Drive, the capacity of these inlets were not evaluated to see if they were adequately sized, and the City has no record of inlet capacity issues in this area.

Mr. Heitkamp concluded by sharing CT Consultants recommendation of upsizing Storm Runs A and B to a combination of 36" and 42" pipe sizes. This approach provides a balance between controlling flooding of the lower year storm events and project cost. This option would bring the storm sewer system close to current design standards

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and reduce frequent flooding of yards, while keeping the existing pipes within Huntersknoll Court as is, reducing costs and disruption to the street.

Ms. Roesch asked Mr. Heitkamp regarding the recommendation, if that was close to current design standards and what those standards were.

Mr. Heitkamp replied that the standard was to accommodate a 10yr frequency storm. He stated the recommendation would increase some of the pipe size to that standard. He stated that as long as the water wasn't backing into inlets and storm drains it was considered as sufficient.

Ms. Roesch asked if we have easements from the private property owners to do this work.

Mr. Heitkamp replied that we did not at that time. He stated that while staff has received general support there have not been discussions to obtain easements yet.

Ms. Roesch referenced the Jolain Drive project and asked if the price to improve drainage has increased dramatically since that time.

Mr. Riblet explained that the Jolain Drive drainage improvements were done approximately six to seven years prior and this area would be a great deal larger than that project.

Mr. Heitkamp added that this project would also entail replacing pipe at a deeper depth for slope to keep water within the system.

Mr. Margolis asked what the role would be from the private/public responsibility.

Mr. Heitkamp explained that while water and runoff come from both public and private properties the system was constructed in 1970 according to the current standards and it was opted not to include all the private areas but rather put in channels that are not normally in a public easement.

Mr. Margolis asked if on Trailwind Drive the street water was being handled or extending to neighbors on Deerfield Road (run A).

Mr. Heitkamp replied that there are times when the area floods between the homes and roadway on Deerfield Road since the pipe is not adequately sized.

Mr. Margolis questioned then if some of the problem is that public water is flooding residential properties.

Mr. Margolis asked if the run-on Deerfield Road (B1/B2) incorporated public water going through it.

Mr. Heitkamp replied that it did.

Mr. Margolis stated that on Jolain Drive residents had moved material to block the flooding. He asked if that had happened in this area.

Mr. Heitkamp replied that the history is somewhat complex. He explained that there has been the installation of swimming pools and undersized storm pipes that have contributed to but are not necessarily the source of the issue. He stated that what was there currently was not originally constructed in 1970.

Mr. Margolis asked if the drainage improvements at the Church of the Saviour has helped.

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Mr. Heitkamp stated that it is his understanding that it has improved a few of the properties. He stated that the issue is getting water into the inlets, and it could help to do improvements to get the water to the inlets.

Mr. Margolis stated that on Jolain Drive the homeowners had to be committed to the process in partnership with the City.

Mr. Heitkamp stated that it would be of value to get the homeowners on Trailwind, at the downstream area, on board because if they didn't want to participate, the project couldn't be done.

Mr. Cappel asked according to the Engineers Estimate, what the total cost could be.

Mr. Heitkamp replied if everything was completed according to the study, it would be approximately \$821,000.00

Mr. Cappel asked how long it would take.

Mr. Heitkamp replied overall about four to five months. He stated that the problem would be processing construction around the property's structures. He stated that would cause the project to be piece-mealed in order to be completed.

Mr. Cappel asked what impact daylighting the channel would have. (Daylighting is the process in which underground pipes are exposed to daylight using a hydrovac, or hydro-vacuum excavator. Hydrovac excavators use a combination of pressure, water, and air to break up soil and suck up debris material surrounding the pipe.)

Mr. Heitkamp replied that the issue is the elevation. He explained that the elevation of the home and size of the channel and how it is laid could cause grading issues.

Mr. Cappel asked how frequently we have been exposed to a 50/100-year rain event and what effect would that have on the project.

Mr. Heitkamp replied that upsizing the system would be a huge improvement. He stated that a 50/100-year rain would rely on the overlaying path again. He stated that in order to prevent a safety risk we would need to reduce the number of times that could happen.

Mr. Cappel asked if there were houses in risk of collapsing without shoring.

Mr. Heitkamp replied that if we were to move forward with a replacement of drainage pipes, we would need to have an engineering company prepare more detailed drawings and design to consider constructability without impacting homes, pools, patios, etc.

GUESTS & RESIDENTS

Thomas Kelly, 7942 Huntersknoll Court- Mr. Kelly stated all property owners located on Storm Run B were in attendance at the meeting.

Glenn Sheehan, 10350 Deerfield Road-Mr. Sheehan stated that he lives at the center of Runs A & B and stated his concern was the danger of when the water gets too high that a small child could be in danger and this issue needs to be addressed quickly.

Krista Ramsey, 7860 Trailwind Drive-Ms. Ramsey expressed her appreciation for what the City is doing but was concerned about the loss of her landscaping that has taken her 31 years to accumulate. She stated that she wants to help but feels there needs to be more conversations before the issue is settled.

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West Price, 10335 Deerfield Road-Mr. Price stated that he is in Section A and realizes that an easement would be at his own costs. He stated he was concerned about the cost and would appreciate zero pennies coming from the residents. He stated he is not ready to jump into anything.

Scott Crawford, 7943 Huntersknoll Court-Mr. Crawford stated that he is located in Run B. He explained that the recent rain events are extreme with the flooding reaching 20 feet wide at times. He stated that these are in the easement that is not public. He stated that there are large trees that would have to come out. He added that while the loss of trees would be detrimental, he is willing to sacrifice those if it makes the project work.

Mr. Heitkamp stated that he did have videos and photos sent to him by residents and that staff has taken.

Mr. Crawford stated that the more development over the years has changed the hydrological architecture and that the City should expect that.

Erin Stockart, 7951 Huntersknoll Court-Ms. Stockart explained that when her basement has flooded it got as high as the vent pipe of her furnace. She stated that the first time it happened it was very alarming. She stated that Mr. Heitkamp has been very helpful and stressed how important this project is.

Jamie Brewer, 7952 Huntersknoll Court- Mr. Brewer stated in the Fall of 2019 there was a large amount of water that was thigh deep and could have been detrimental.

Ms. Roesch asked how quickly the water dissipates after a storm.

Mr. Heitkamp replied that it was like a flash flood and could take a few hours before it would be gone.

Jeff Snider, 7947 Huntersknoll Court-Mr. Snider explained that he has lived on Huntersknoll for 10 years now with a swimming pool. He explained that in 2019 the pool flooded three times. He stated that in 2020 his basement flooded to the ceiling of the basement before it eventually found its way out through the foundation. He stated he has spent a fair amount of money to have his basement walls shored up and would like to add landscaping but is waiting to see what happens as he cannot do anything to push the water away from his home at this point. He stated there needs to be better infrastructure. He stated that he felt the property owners were motivated to make this issue go away. He thanked Mr. Heitkamp for working on their behalf to find a solution.

Lowell Bowie, 7958 Huntersknoll Court-Mr. Bowie stated that the Church's construction has been fantastic. He stated that he feels that the City needs to address the design, permitting and cost as well as identify the effected property owners and City's respective costs. He asked that staff look at this and report back to the property owners.

Todd Thornicroft, 7945 Huntersknoll Court-Mr. Thornicroft stated that it was a big public safety concern. He stated that no amount of grading can solve the issue for property owners.

John Newsom, 7970 Huntersknoll Court-Mr. Newsom explained that he has not had problems but is concerned about the children. He asked if the entire Storm Run B was public.

Mr. Heitkamp replied that it was not.

Mr. Newsom asked if that was common.

Mr. Heitkamp state that it is common for a variety of factors.

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Mr. Newsom stated that as the Church had to build a retention pond and that there were more impervious driveways now as compared to when he moved in. He asked if the new homes were figured into the master plan.

Mr. Heitkamp replied that years ago when the plan was designed detention wasn't a requirement.

Mr. Riblet thanked everyone for coming and being collaborative. He stated that similar to Jolain Drive there would be issues to consider including:

- Scheduling-The project was not currently budgeted but could be added.
- Participation by homeowners- there would be some level of commitment required by the homeowners.
- Public/Private Easements-for the City to perform the project, easements would be required by all homeowners and then the City would take on all maintenance.
- Regarding Storm Run B- To find a resolution, scheduling and responsibility of costs would have to be determined. If this is accomplished, it could create efficiencies for Storm Run A.

Mr. Riblet stated that staff would come back to the Public Works Committed with a report and recommendation on moving forward. He stated the common goal is to improve the drainage.

Mr. Margolis made a motion to approve staff moving forward in obtaining a detailed design, support from property owners and a proposal of costs for Storm Run B. Ms. Roesch seconded. The Committee unanimously agreed.

Ms. Roesch stated that she felt there was nothing in the study that shows the improvements can't be done in phases.

Mr. Heitkamp suggested phasing by beginning downstream and progressing upstream. He agreed with Mr. Riblet that Storm Run B improvements may make significant improvements.

Minutes

Mr. Margolis moved to approve the December 14, 2020 Public Works Committee minutes. Ms. Roesch seconded. The Committee unanimously approved the minutes.

Adjournment

Mr. Margolis made a motion to move to adjourn. Ms. Roesch seconded. The Committee unanimously agreed. The meeting adjourned at 6:43 pm

Chair