



SHAKER HEIGHTS

Safety and Public Works Committee Agenda Via Zoom Meeting Due to COVID-19 Public Health Emergency Friday, February 5, 2021, 8:00 a.m.

For the safety of staff and residents, in-person attendance is not permitted. Join the Zoom meeting as a viewer or listener from a PC, Mac, iPad, iPhone or Android device. Join online at <https://zoom.us/j/98995406807?pwd=NTlJeWxkOU5xOU5kM3doRE5xMy9DUT09>, Password: 33553400; Description: Safety and Public Works Committee; or join by phone at 833-548-0282 (toll free); Webinar ID: 974 4098 6646, Password: 33553400. International numbers available at <https://zoom.us/u/abWpZbylVB>.

1. Approval of Minutes for SPW Meeting on January 8, 2020

Documents:

[01082021 SPW MINUTES FINAL DRAFT.PDF](#)

2. Request to authorize a grant application to, and to accept a grant from, the Ohio Department of Natural Resources' 2021 Clean Ohio Trails Fun/Recreational Trails Program for the construction of a multipurpose trail in the Shaker Lakes Parklands.
Presented by: Kara O'Donnell, Principal Planner

Documents:

[MEMO_SAFETY PW_ODNR_LOWER LAKE MULTIPURPOSE TRAIL 02-05-2021.PDF](#)

3. Recommendation for design services and appropriation for Chagrin Blvd. Resurfacing (PID 112472)
Presented by: Patricia Speese, Director of Public Works

Documents:

[CHAGRINDESIGN.PDF](#)

4. Request to enter into an agreement with Cuyahoga County for the Rehabilitation of the Warrensville Center Road Bridge
Presented by: Patricia Speese, Director of Public Works

Documents:

[WCR BRIDGE_COUNTY AGREEMENT_SPW.PDF](#)

5. Request to approve Fire Department's Application for Fiscal Year 2020 FEMA Assistance to Firefighters Grant for replacement of Diesel Exhaust System at Fire Station One

Presented by: Patrick Sweeney, Chief of Fire

Documents:

[FISCAL YEAR 2020 ASSISTANCE TO FIREFIGHTERS GRANT - SPW.PDF](#)

6. Adjournment

To request an accommodation for a person with a disability, call the City's ADA Coordinator at 216-491-1440, or Ohio Relay Service at 711 for TTY users.



**SAFETY AND PUBLIC WORKS COMMITTEE MINUTES
FRIDAY, JANUARY 8, 2021
8:00 AM
VIA ZOOM MEETING**

Members Present: Robert Zimmerman, Council Chairperson
Sean Malone, Council Member
Carmella Williams, Council Member
Earl Williams, Council Member
Patricia Speese, Director Public Works
Jeffrey DeMuth, Chief of Police
Patrick Sweeney, Chief of Fire

Others Present: Mayor David E. Weiss
Jeri Chaikin, CAO
Joyce Braverman, Director of Planning
Marilyn Kertis, Recording Assistant

The meeting was called to order by Council Chair Robert Zimmerman at 8:02 am.

Council Chair Zimmerman wished everyone a Happy New Year!

APPROVAL OF JANUARY 8, 2021 MEETING MINUTES

Council Chair Zimmerman asked if there were any questions, changes or additions to the January 8, 2021, Safety and Public Works Committee minutes. There being none, a motion was made by Council Member Carmella Williams, it was seconded by Council Member Earl Williams, and the minutes were approved.

REQUEST FOR APPROVAL TO AWARD CONTRACT TO MS CONSULTANTS FOR DESIGN SERVICES FOR THE WARRINGTON ROAD WATER MAIN REPLACEMENT DESIGN

Patricia Speese, Director of Public Works

Director Speese stated that in the fall of 2020, Public Works received funding from the Cleveland Water Suburban Water Main Renewal program to replace the water mains on Warrington Road (Southington Road to South Woodland Road). The Cleveland Water Department will pay for the total cost of the project on the condition that the City of Shaker Heights designs and manages the project.

Request for Proposals were sent to five (5) firms who have performed professional services in the City of Shaker Heights. The scope of work entails that the consultant prepare construction documents for the replacement of the waterline on Warrington Road. On October 30, 2020, the

City of Shaker Heights received seven (7) proposals. Each proposal was ranked by Quality Based Selection (QBS) as this is crucial in determining the most qualified consultant based on their project technical approach, staff and firm experience. The proposed fee was not part of the scoring. The proposals were ranked by Technical Approach (40 points); Project Team Experience (30 points); Firm Project Experience (30 points). After reviewing the proposals, it was determined that the ms Consultatant's understanding of the project requirements and technical approach was the most comprehensive of the SEVEN (7) proposals. Ms Consultants is also familiar with that area of town as their staff successfully designed the Huntington Water Main replacement and have worked on other projects with the Cleveland Water Department. The Warrington Water Main project has similar challenges as the Huntington Water Main Replacement project as well. The proposed project manager is also a resident of Shaker Heights and very familiar with the work limits and traffic constraints in that area.

Ms. Consultants initial fee was \$38,844 which was quite a bit higher than the other proposals. Public Works met with ms Consultants and explained they were happy with the proposal and their knowledge of the project but their bid was too high. Ms Consultants agreed to revise their bid to \$28,978 which was more in the ballpark of the more competitive bids. Public Works is very comfortable with ms Consultants and their bid.

Director Speese is requesting approval to enter into an agreement with ms Consultants for the Warrington Road Water Main Replacement Design for the amount of \$28,978.

Council Chair Zimmerman asked if there were any comments or questions. Council Member Malone asked what type of challenges there were with the Huntington project. More specifically, were there any challenges due to the design work from ms. Consultants. Director Speese indicated that there weren't specific challenges, more so the project was challenging overall because it involved the water line and the SSO sewer repair project. The main challenge became a conflict because of trees. Ms Consultants designed the project so there were no conflicts with trees, whether they had to move a water line or move connections to homes. The residents of the Huntington project were extremely inconvenienced but very patient. The Warrington project will not be as onerous since it won't include a sewer project at the same time but will include street resurfacing.

Council Chair Zimmerman asked what percent of the project would be the responsibility of the city of Shaker Heights and Director Speese indicated it would be 0 %.

Council Chair Zimmerman asked if there were any more comments or questions. There not being any, he asked for a motion to approve the resolution. A motion was made by Council Member Sean Malone and seconded by Council Person Carmella Williams and approved.

Council Chair Zimmerman commented on how appreciative he was that the process used to choose ms Consultatants was very thorough and based on substance along with the ability to negotiate a competitive quote with their choice of consultants. By doing so, it benefits the residents in the community.

REQUEST TO ENTER INTO AN AGREEMENT WITH DLZ FOR ENGINEERING SERVICES FOR LOMOND/LYNNFIELD SSO 11

Patricia Speese, Director of Public Works

The City of Shaker Heights was awarded a grant through the Northeast Ohio Regional Sewer District (NEORS) Member Community Infrastructure Program (MCIP) for the design to mitigate the number of activations at the sanitary sewer overflow located at Lynnfield/Lomond intersection (SS) 11). The City's estimated cost for designing the project was estimated at \$225,000. The NEORS agreed to pay for half (1/2) of the design.

On November 2, 2020, Public Works distributed proposals to seven (7) consultants and the project was also posted on the City's website. Only three (3) consultants submitted proposals. Evaluations were performed by the Director of Public Works, Assistant Director of Public Works and Public Work's Superintendent. The City challenged the consultants to think outside the box and come up with some creative ideas. The project only covers approximately 20 acres but the impact will spread over a 230-acre area.

The Quality Based Selection (QBS) process was used to score the technical merits of the project and fee was not used during the scoring process. Scoring was based on Technical Approach (40 points); Project Team Experience (30 points); and Firm's Project Experience (30 points).

Although the scoring was close, DLZ rose to the top by providing a "sexy" design. This is a very complex project and impacts many residents. DLZ is the largest minority owned engineering firm in the country and they provided a lot of green infrastructure suggestions and agreed to provide interaction with the residents that will be impacted. The lead designer from DLZ has also worked with the Sewer District on a huge project called the Kingsbury Run project. He had really done his homework by studying previous projects and reviewed existing data and understood the challenges that were faced. He has also done previous work with the Sewer District in this area; therefore, Public Works was quite comfortable with DLZ's knowledge of the project. Their fee was the second highest of the proposals and more than the City had budgeted for. Director Speese indicated that DLZ was the firm that they wanted to use because of their in-depth knowledge and research of the project and approached DLZ about revising their proposal. Their initial fee was \$242,205.50, the second highest proposal but they revised their fee to \$229,897, which is closer to the City's budget. Director Speese reiterated how complex this project was and how DLZ was the right firm for the project.

Director Speese is requesting approval to enter into an agreement with DLZ for engineering services for the sanitary sewer overflow at Lynnfield/Lomond (SSO 11) in the amount of \$229,897. NEORS will reimburse City for \$112,500.

Council Chair Zimmerman asked if there were any comments or questions. Council Person Earl Williams indicated his knowledge of the Kingsbury Run project and that it was an old piece of sewer pipe for the cities of Shaker Heights and Cleveland. He asked if the City of Cleveland doing any upgrades? Director Speese indicated that the Sewer District has made several improvements and would have to approve this design. She was unsure if Cleveland has made any repairs or even if they do repairs.

Council Person Sean Malone asked if DLZ would provide an opportunity for public input regarding the project and wanted to know what the timeline is for the project. Director Speese indicated there will be community meeting but will take place closer to when the design is complete. The design has to be complete by the end of 2021. There may need to be the removal of approximately 9-14 trees on Lomond. She put out feelers to residents who indicated they would be happy for the city to do what is needed to resolve the sewer issues. She also spoke with Council member Moore who chairs the Tree Advisory Board who also agreed with the specifics. It is important to let the residents to know in advance before they seek the funding for projects and start taking down trees. The fall is a guess of when the meeting might take place.

Council Person Malone also asked what types of green ideas did DLZ propose? Rain gardens along tree lawns and area around Lomond Elementary School in addition to tree lawn areas with pervious surfaces for sidewalks that would lend to more sustainability to the area. There are also down spout connection issues which were also addressed.

Council Chair Zimmerman asked if there were any more comments or questions. There not being any, he asked for a motion to approve the Request to enter into an agreement with DLZ for Engineering Services for Lomond/Lynnfield SSO 11. A motion was made by Council Member Sean Malone and seconded by Council Person Carmella Williams and approved.

REQUEST TO ENTER INTO A CONTRACT WITH ODOT LPA RESURFACING OF CHAGRIN BOULEVARD RESURFACING

Patricia Speese, Director of Public Works

The City of Shaker Heights received an award by the Northeast Ohio Areawide Coordinating Agency (NOACA) for the Local Public Agency Project (LPA), resurfacing of Chagrin Boulevard from the western city limit to the eastern limit but will not include approximately 300 feet of the new intersection at Chagrin Boulevard and Warrensville Center Road. ODOT construction could potentially start in July of 2022. The LPA program is a partnership between Federal Highway (FHWA), ODOT and local public agencies to develop, plan and construct projects with Federal, State and Local Funds. The City of Shaker Heights will administer this project which includes design, construction, inspection and management.

The first step is to enter into an agreement with ODOT for the resurfacing of approximately 2.09 miles of Chagrin Boulevard. The construction could potentially start July 1, 2022. Although it's called an 80/20 agreement, ODOT generally doesn't pay for much and it usually becomes a 60/40 agreement. The estimated cost for the project is \$2,659,996 which includes construction and construction administration/inspection. Design fees are not included. The design fee is anticipated to be \$212,800. Per NOACA, ODOT is capping their commitment at \$2,127,997. Although the City's portion would be \$531,999.00, its overall cost would be \$989,439.31, since the agreement does not cover the cost for items such as curbs, ADA Ramps, full depth repair and aprons. Therefore, the breakdown of the project ends up being more of a 65/35.

The design work needs to be done by 4th quarter of 2021. At this time Public Works is just requesting approval to enter into an LPA Agreement with ODOT for the Chagrin Boulevard Resurfacing Project.

Council Chair Zimmerman asked if there were any comments or questions. There being none, he asked for a motion to approve the Request to Enter into an LPA Agreement with ODOT for the Chagrin Boulevard Resurfacing Project. A motion was made by Council Member Carmella Williams, it was seconded Council Person Earl Williams, and the motion was approved.

REQUEST FOR COUNCIL TO APPROVE NECESSARY LEGISLATION TO ENTER INTO A REVISED LPA AGREEMENT WITH ODOT TO COMBINE PROJECT ID 105725 AND 111119.

Joyce Braverman, Director of Planning

Director Braverman indicated that in October, 2020, Council approved legislation for the City to combine PID 105725 (resurfacing on Warrensville Center Road from Fairmount Circle to Farnsleigh) and PID 112471 (resurfacing of Warrensville Center Road from the southern city limit to Norwood) into one project. With support from ODOT, we would now like to add PID 111119 (WCR/Shaker Intersection for reconfiguration) with PID 105725 into one project ID, combining all three projects. Combining the projects will minimize the inconvenience for the public and will also be a cost savings to the City of Shaker Heights. These were all separate projects that were approved individually (the first two) and now we would like to combine all three projects.

The combined total project cost is now \$\$3,000,480 for project eligible items. ODOT's maximum contribution is \$2,490,000 for eligible project costs. The City's contribution will be \$517,117 for eligible project costs. The City is also responsible for paying for design services of \$216,800 as well as non-eligible project costs of \$509,998. The projects have already been designed. For the Shaker/Warrensville project, there are 2 different funding sources; one is a 20% match and the other is a 0% match. Non- eligible expenses include curb and apron replacement. Inspection costs will be reimbursed.

The plan is to have Public Works advertise for the project in early 2021 with construction to begin in the spring with a full completion date to be in the fall of 2021. ODOT won't allow Shaker Heights to put the bid out until an agreement is approved by Shaker Heights and processed by ODOT. To keep this moving along, a special Council Meeting is being requested for 1/11/21, rather than waiting until the end of the month for the scheduled council meeting.

At this time, Director Braverman is requesting that City Council have a special council meeting on Monday, January 11, 2021, to approve necessary legislation to enter into a revised LPA Agreement with ODOT to Combine Project ID 105725 and 111119.

Council Chair Zimmerman asked if there were any comments or questions. Council Person Earl Williams asked if the cost would increase from the time city council approves the new legislation vs. when ODOT approves the project and what the tentative increases could be. Director Speese indicated the costs could increase by 10% if the bid didn't go out until March or later and would significantly increase the cost of whole project.

Council Person Malone asked if there was any concern that one giant project limits the number of people that can bid. If the projects remained individual, would more companies bid and would it affect the cost. Director Speese indicated that we only want large firms with more experience. When using several firms, each firm requires a mobilization cost which can range from \$15,000 - \$25,000; therefore, by using one firm, mobilization costs are reduced.

Council Person Carmella Williams asked if there are any concerns about the size of the project and timing and would larger firms be too busy to handle the project. Director Speese suggested that the main reason to go out to bid early is so that our project will be at the top of someone's list and will be ready to begin the project when the weather permits in early spring.

Council Chair Zimmerman asked if there were any more comments or questions. There not being any, he asked for a motion to approve Malone moved to approve, seconded by Carmella Williams and approved.

In closing, Council Chair Zimmerman discussed the snow storm that took place on Christmas Eve and Christmas Day this past December and how it put a damper on the holiday for the Public Works crew. He asked Director Speese to comment about how the staffing was done. She indicated how the entire staff juggled their schedules to make sure the younger employees were able to be home with their families for Christmas. There were three (3) twelve (12) hour rotations and the entire crew did what needed to be done to get the roads cleared. Her staff is very committed and take their job seriously to keep the residents of Shaker Heights safe.

Council Chair Zimmerman also acknowledged the commitment of the Police Department and Fire Department and appreciates everything they do to keep the community safe and secure.



Memorandum

To: Safety & Public Works Committee Members

CC: David E. Weiss, Mayor
Jeri E. Chaikin, Chief Administrative Officer

From: Joyce G. Braverman, Director of Planning
Kara Hamley O'Donnell, Principal Planner

Subject: 2021 Ohio Department of Natural Resources Clean Ohio Trails Fund/Recreational Trails Program grant; Application for **Lower Lake Multipurpose Trail**

Date: January 25, 2021

This is a request to authorize a grant application to, and to accept a grant from, the Ohio Department of Natural Resources' 2021 Clean Ohio Trails Fund/Recreational Trails Program for the construction of an 8' to 10' wide multipurpose trail in the Shaker Lakes Parklands. The proposed trail will be located south of the Lower Lake roughly parallel with South Park Boulevard from Coventry Road to West Park Boulevard (see attached diagram). The estimated project cost, including engineering, environmental studies, and construction is \$374,855. The Planning Department will submit a grant application for \$281,141. A 25% local match is required and the City has already committed \$40,000 in the 2021 General Capital Fund for this project. If granted, an additional commitment of \$53,714 from the City will be required.

The Ohio Department of Natural Resources has allocated \$1.6M for the Recreational Trails Program (RTP) and \$6.25M for the Clean Ohio Trails Fund. These are highly competitive grants open to Ohio's government entities, special districts, and non-profits to help build trails and trail linkages. Required environmental and historic reviews are part of the application process. The grant requires that a fourteen-day community input period be held before application. We have scheduled a Zoom virtual community meeting on February 9, 6:30 – 7:30 p.m. Neighbors and stakeholders have received notice. We have held meetings with representatives of the Nature Center at Shaker Lakes, Doan Brook Watershed Partnership, and Friends of Lower Lake who have been supportive of the project and who, along with Bike Shaker, have been informed of the community meeting. If grant funds are received, a stakeholder and community engagement process will be undertaken as part of the design and engineering process for the trail.

The Shaker Lakes Parklands are popular for passive recreation, including hiking, walking, biking, and jogging. Nearby residents often access the parklands on foot or by bike. A sidewalk or asphalt path surrounds the Lower Lake except along South Park Boulevard, roughly between Larchmere Boulevard and Brook Road where there is no paved path or sidewalk on either side of South Park. While there is a dirt footpath on the north side roughly parallel with South Park Boulevard, it can be muddy and impassible and is not comfortable for those on bikes, with strollers, or with limited

mobility. Cyclists and pedestrians often travel within the South Park Boulevard roadway, sharing the street with vehicles. Considering these existing conditions, the proposed multipurpose trail will:

1. Build missing pedestrian/bicycle connections to complete a paved Lower Lake Loop and connect to the Lake-to-Lakes Trail, Nature Center at Shaker Lakes, Shaker Parklands, and surrounding neighborhoods;
2. Create a connected, accessible, safe trail for pedestrians and cyclists along South Park Boulevard; and
3. Protect environmental resources.

The \$281,141 ODNR Clean Ohio Trails/Recreational Trails Program grant application will fund 75% of the engineering and construction of the multipurpose trail which will improve recreational opportunities and safety for park users. In 2013, the City received \$60,000 in ODNR Recreational Trails Program funds to implement Phase 2 of the Lake to Lakes Trail.

\$40,000 of 2021 General Capital Fund has already been committed. Additional construction and engineering matches, estimated at \$53,714 from the General Capital Fund, will need to be appropriated if the grant is received. The project cost involves possible environmental review studies which will not be determined until after the grant is submitted. If fewer environmental/historic studies are required, the project cost and the City's match would be reduced. This grant may later be paired with a \$10,000 People for Bikes grant, for which we have submitted a Letter of Interest, which would pay for bike trail improvements and would reduce the City's required match.

We recommend approval and authorization to submit a grant application to, and to accept a grant from, the Ohio Department of Resources' 2021 Clean Ohio Trails Fund/Recreational Trails Program for the Lower Lake Multipurpose Trail. This request will be for \$281,141 with a \$93,714 local match.

Grant applications and supporting legislation are due to the Ohio Department of Natural Resources on March 15, 2021. Grant recipients will be notified of awards in fall 2021.





Memorandum

To: Safety and Public Works Committee Members
From: Patricia Speese, Director of Public Works
cc: David E. Weiss, Mayor
Jeri E. Chaikin, CAO
Christian Maier, Asst. Director of Public Works
Date: January 29, 2021
Re: Recommendation for design services and appropriation for Chagrin Blvd.
Resurfacing (PID 112472)

As part of the Ohio Department of Transportation (ODOT) proposed projects for the State’s 2022 fiscal year, Chagrin Blvd. has been programmed for resurfacing from the western city limit to the eastern city limit; the project will suspend and resume approximately 350-feet east and west of the Chagrin / Warrensville Center Road intersection. It is our intent to complete the design in 2021 and be in construction in 2022. The project will be an ODOT Local Public Agency (LPA) Project. ODOT’s participation in the project is limited only to the construction of the roadway and will fund 80% of this work. The City will be responsible for the additional 20% to resurface Chagrin Blvd. ODOT’s construction cost estimate for resurfacing is \$2,659,996.25. The design and fees are the responsibility of the city.

In addition to the design costs, the City is also responsible for construction items not covered by federal/state funds such as full depth road repairs, ADA complaint ramps, curb & driveway replacement as needed and adjustment of drainage structure castings.

In December, 2020 the City solicited proposals from seven (7) firms and posted it on the City website for design services for the resurfacing of Chagrin Blvd. The proposals included the technical approach and the experience of the firm and project team. A fee proposal was submitted separately. Public Works received three (3) proposals. The Quality Based Selection (QBS) process, a requirement for projects receiving funding from the State, was used to score the technical merits of the proposals. As part of the QBS process, fee is not used as a scoring criterion. The consultant firms that submitted proposals were:

Consultant Firm	Fee	Avg. Scoring
GPD Group	\$172,519	96
ms consultants	\$228,177	91
Mannik Smith	\$203,200	86

Based on the scoring of the different consultants, Public Works interviewed GPD consultant's project team on January 28, 2021. They expressed a firm understanding of the project, with an experienced project team, and technical approach They also have performed the design of Chagrin Blvd. the previous two times that it was resurfaced so their knowledge and history is extensive.

Initially this project was on our 10-Year Capital Plan for 2023 but we received notice that this project is being funded with the state in 2022; therefore the design, which is the City's responsibility, should be completed in 2021 so as to perform this improvement as soon as possible. We also request an appropriation from the General capital fund in the amount of \$172,519 for this design which is the City's financial responsibility.

We request approval to award this contract to GPD Group for design services for the resurfacing of Chagrin Blvd. in the amount of \$172,519 and an appropriation in this amount from the General Capital Fund.



Memorandum

To: Safety and Public Works Committee Members

From: Patricia Speese, Director of Public Works

cc: David E. Weiss, Mayor
Jeri E. Chaikin, CAO
Christian Maier, Asst. Director of Public Works

Date: February 5, 2021

Re: Request To Enter Into an Agreement with Cuyahoga County for the Rehabilitation of the Warrensville Center Road Bridge

In 2016, Cuyahoga County Department of Public Works determined the bridge at Warrensville Center Road and Shaker Blvd. was structurally compromised. Since 2016, weight restrictions were placed on the bridge. The City has reached out to the County to fast track this project as much as possible due to the challenges associated with the weight restrictions, especially since it abuts Fire Station 2 and their operation.

The County has selected a consultant and is currently designing the rehabilitation of the bridge. It is our understanding, construction will occur in 2022. The estimated duration of the project is eighteen months.

With the bridge located in the City of Shaker Heights, Cuyahoga County is requesting to enter into an agreement. The general terms of the agreement acknowledges the County will be responsible for the design, construction and administration of the project. The City supports the funding of this project with the County using their Motor Vehicle License Tax Fund. The County will also coordinate and fund any utility relocations that will be necessary to rehabilitate the bridge. After the project is complete, the City would be responsible for what we have always been responsible for in the routine maintenance, i.e. snow removal, pavement markings, replacement of traffic signage as required, etc. The County will still be responsible for structural inspection and related maintenance items.

Based on the terms of the Agreement and the importance of rehabilitating the Warrensville Center Road Bridge, we request entering into an agreement with Cuyahoga County so they can proceed with this much needed improvement.



To: Members of Safety and Public Works
From: Patrick Sweeney, Chief of Fire
C: David E. Weiss, Mayor
Jeri E. Chaikin, CAO
Date: February 5, 2021
RE: Fiscal Year 2019 Assistance to Firefighters Grant - Application Request

Both Fire Station One and Two have Diesel Exhaust Systems that are vital to maintaining a healthy environment within the stations. The system at Fire Station Two was upgraded to a direct capture system in 2013. A direct capture diesel exhaust system is ideal in that it is designed to capture emissions with a hose that is connected directly to the Fire Trucks and then exhausted directly to the outside. The diesel exhaust System at Fire Station One was designed on a total air exchange concept. With this system, the Fire Truck diesel emissions is exhausted into the station and removed with large rooftop fans that pull the diesel emission out and replace with a total air exchange in the space. This type of system is not ideal in a fire station in that the Firefighters are subject to breathing these carcinogenic emissions until the air is fully exchanged. Additionally, this type of system is inefficient in that the space needs to be continuously reheated during winter months.

Unfortunately, the diesel exhaust system at Fire Station One has been problematic from the start with its operation never meeting the expectations of its design features. It is inefficient, it does not provide for the continuous removal of carcinogenic emissions, and has had ongoing mechanical issues for a number of years. Additionally, current NFPA standards recognize a direct capture system as the only system that will remove 100% of toxic diesel emissions from our apparatus floor. Fortunately, we have learned that the replacement or upgrading of diesel exhaust systems for Fire Stations are receiving a high priority from the FEMA Assistance to Firefighters Grants program.

In an effort to prepare for a grant application seeking funding for the replacement of the system at Fire Station One, we have worked with vendors to determine approximate costs for a new direct capture diesel exhaust system for the station. Initial costs to replace this system are approximately \$81,000.

The Fiscal Year 2020 FEMA Assistance to Firefighters Grant program has recently opened up for applications. A successful grant application would provide 90% funding with a required 10% match from the community making application. Based on our current estimates, this would equate to

CITY OF SHAKER HEIGHTS | *Fire Department*

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shakeronline.com www.shaker.life

approximately a \$7,200.00 community match from Shaker Heights. If awarded the grant, the Fire Department would request that the city match be allocated from the General Capital Fund.

The Shaker Heights Fire Department is requesting that the Safety and Public Works Committee approve the Fire Department making application for the Fiscal Year 2020 FEMA Assistance to Firefighters Grant for the replacement of the Diesel Exhaust System at Fire Station One and recommend the same to the Shaker Heights Finance Committee.